

PROSPECTUS

PUNJAB AYUSH ENTRANCE TEST (PAET-2017)

For Admission
to
BAMS/BHMS/BUMS Courses



Guru Ravidas Ayurved University Punjab

(A State University & Approved by UGC)

Una Road, V.P.O- Kharkan, Hoshiarpur (Pb.)

Ph. No. 01882- 282326,

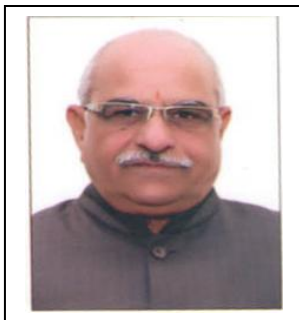
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Website: www.graupunjab.org

Prof. Om Prakash Upadhyaya
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(Padamshree Awardee)

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Vice- Chancellor



Message

I am very happy on the occasion of releasing this prospectus PAET-2017 for admission to BAMS/BHMS/BUMS courses through entrance test being conduct by this University.

Guru Ravidas Ayurved University Punjab, Hoshiarpur welcomes you to this great seat of learning. This university has been established by Govt. of Punjab by an act no. 4 of 2010 for the uplifting of AYUSH in the state of Punjab and country as a whole. I being the first Vice –Chancellor of this University would try my best for the uplifting of standard of education in the field of Ayush and encourage research as well. This University is committed to become a premier University through hard work, creating excellent academic atmosphere in affiliated colleges and well maintained discipline. It shall evolve wonderful environment conducive to learning, teaching and research.

We shall always try our best to make our students brilliant, dynamic and innovative . Our aim is to bring out the potentials of the young minds and to inculcate high standards of professionalism so that they are able to excel in the challenging and competitive world.

I welcome the students seeking admission in BAMS/BHMS/BUMS course and wish them success in their pursuits.

With best wishes,

(Prof. O.P. Upadhyaya)
Vice Chancellor

PAET-2017 IMPORTANT DATES

Sr. No.	Event	Date
1.	Availability of Prospectus at University website i.e. www.graupunjab.org/www.grauadmission2017.in	4th July , 2017 onwards
2.	Last date for online submission of Entrance Test application form through University website i.e. www.graupunjab.org/www.grauadmission2017.in Application fee: Rs. 4500/- (for SC Rs. 3000)	31th July , 2017
3.	Candidates can download Admit card from University website www.graupunjab.org/www.grauadmission2017.in	From 3rd August, 2017
4.	Date of conduct of PAET-2017	20th August, 2017(Sunday) Timing: 11:00 am to 2:00 pm
5.	Date of Result declaration	By 23 th August , 2017

Schedule of 1st and 2nd round of online counselling will be intimated through University website i.e. www.graupunjab.org

Note:

1. After provisional allocation of seat, candidates shall have to report to the allocated college for verification of documents and checking of eligibility. Candidate will deposit tuition fee through specified bank challan form issued by the Principal of the concerned college. The candidate will report for medical checkup/joining, after submission of proof of fee deposition to the respective college within stipulated time period, failing which allocated seat will stand cancelled automatically without any intimation to the candidate.
2. Allocation of seat is provisional subject to verification of original documents/checking of eligibility by the Principal of concerned Ayurvedic /Homoeopathic Colleges. It is sole responsibility of Principal to authenticate the eligibility of the provisionally allocated candidate before their joining/admission

All Events/Notice(s) regarding Entrance Test/Admissions/counselling(s) will be notified through University website only.

PLEASE NOTE-Read carefully

1. **Candidates are required to go through the Prospectus carefully and acquaint themselves:-**
2. Candidates can apply for PAET-2017 only “**Online**”.
3. Prospectus can be downloaded from the University website www.graupunjab.org/www.grauadmission2017.in
4. Online submission of Application Form may be made by accessing University website www.graupunjab.org/www.grauadmission2017.in
5. Instructions for Online submission of Application Form are available in the Prospectus and on the University website www.graupunjab.org/www.grauadmission2017.in
6. Candidates must follow the instructions strictly as given in the Prospectus and University website. Candidates not complying with the instructions shall be summarily disqualified.
7. **Candidates must retain the following documents with them as reference for future correspondence.**
 - a. At least 2 printouts of online submitted application form.
 - b. Proof of fee paid.
 - c. 3 Copies of latest (taken after 01-01-2017) identical Photograph (passport size with white background) that are scanned and uploaded on the Online Application form.
8. *In photograph the candidate should not be bearing any cap or goggles. Spectacles are allowed if being used regularly. POLAROID and COMPUTER generated photos are not acceptable. Applications not complying with these instructions or with unclear photographs are liable to be rejected. Candidates may please note that if it is found that photograph affixed is fabricated i.e. de-shaped or seems to be hand-made or computer made, the form of the candidate will be rejected and the same would be considered as using unfair means practices and candidate would accordingly be dealt with the rules of unfair means.*
9. Please visit our website www.graupunjab.org for all regular and updated information concerning PAET-2017 and admissions/date of counseling from time to time.
10. Candidate must ensure that mobile numbers and e-mail address filled in the online application form are his/her own as University will make communications via SMS or e-mail on given mobile number and e-mail ID only. The Candidate himself/herself shall be held responsible for non-receipt of latest information due to wrong mobile number or e-mail address filled in the online Application form.
11. **Fee can be remitted online on University website through Debit Card/Credit Card and online banking . Fee shall not be accepted in any other mode. Candidature, who fails to deposit requisite fee, will be cancelled**
12. Fee once deposited in the University account shall not be Refunded/Adjusted in any case.
13. Notwithstanding the participation of candidates in PAET-2017, only eligible candidates, as per Government notification/s, shall be considered for admission.
14. In case of any discrepancy or contradiction between the Government notification/s and the University instructions contained in the prospectus, the letter and the spirit of the Govt. notification/s shall prevail however in all academic matters the University shall be the final authority.
15. This Prospectus is subject to alteration(s) or modification(s) at any time without notice. For updates please refer to University website from time to time.
16. Counselling fee of Rs. 1500/- will be charged from each student by the University, separately.

REQUEST FOR CORRECTION(S) IN ONLINE REGISTRATION DATA.

In case candidate want to make any change in his/her online registration form after locking, he/she will have to write separate application to the University, wherein he/she will clearly describe as to what information he/she wants to rectify alongwith the documentary proof. He will also attach printout of his/her online application form and submit his/her request personally in the University before 10.08.2017 with a correction fee of Rs. 500/- in the form of bank demand draft drawn in favour of Registrar, Guru Ravidas Ayurved University, Hoshiarpur. After last date of submission of online registration form, no such request will be entertained for any change therein.

Note: After locking of form for submitting preferences/choices, no request for change or rectification in preferences/choices will be accepted, even if candidate has made a mistake.

**IMPORTANT
PLEASE READ IN DETAIL**

1. All necessary information regarding the conduct of PAET-2017, preparation of merit and the process of seeking admission to BAMS/BHMS/BUMS courses in the various colleges of Punjab affiliated to Guru Ravidas Ayurved University Punjab and all applicable rules /regulations, etc, are contained in this PROSPECTUS, PAET-2017.
2. This Prospectus contains two parts:
Part-I: Pertains to the instructions/procedure of fill online application forms for PAET-2017, mode of PAET-2017 and allotment of ranks. It also contains instructions/procedure to fill online counseling form
PART-II: Pertains to admission to BAMS and BHMS courses on the basis of PAET-2017. This part contains the **Punjab Government Notification No. 5/3/11-3HBIII/3315 dated 12.05.2011**, Syllabus for PAET and Specimen of various Performas.
3. Candidates are advised to read Part-I and Part-II of the prospectus carefully before filling and submitting the **ONLINE Entrance Test APPLICATION FORM/ONLINE Admission Application FORM** of PAET-2017.
4. **An error in filling of ONLINE Entrance Test APPLICATION FORM may result in its rejection. Corrections in the information given by the candidate in the ONLINE Entrance Test APPLICATION FORM may not be permitted after conduct of PAET.**
5. The Schedule of Admission/Counseling shall be notified through the Press/SMS or University, website. Changes, if any, in the schedule/timetable of test/counseling etc. will be notified through Press or website of the University i.e. www.graupunjab.org **No separate intimation letters will be sent.**
6. Candidates must retain a copy of this Prospectus till admission process is over. They are further advised to read and comply with all instructions therein strictly.
7. Eligibility conditions for admissions are given in the Part-II of the Prospectus.
8. **Sports Category Candidates:** PAET-2017 qualified candidates of Sports category must send a Gradation Certificate issued by Director Sports, Punjab.
9. The list of the Colleges and availability of seats shown at various places in this prospectus may vary and **the final status shall be displayed at the time of counseling.**
10. There will be no negative marking in the test. **However the candidates who do not darken the fifth oval (i.e. option-E introduced for security reasons) in case of un-attempted questions shall be getting deduction of marks at the rate of one mark per question left in which all the five ovals have been left blank.**
11. The candidate should read the eligibility conditions carefully and just appearing in PAET does not entitle him/her for admission. Eligibility conditions for admission are given in the Notification. The candidates will appear in PAET at their own risk & responsibility. Those who are not eligible as per Punjab Government Notification will not be considered for admission.
12. **Correct category must be filled carefully in the online entrance test application Form. No claim shall be allowed if category/categories are not indicated in Online Entrance Test Application Form. Only those candidates who have claimed reservation by filling category (ies) code in Online Entrance Test Application Form shall be considered for reserved seat.**
13. This is for the information of all the candidates that as per Hon'ble Supreme Court of India, if any incident of ragging comes to the notice of the authority, the concerned student shall be given liberty to explain and if his explanation is not found satisfactory, the authority would expel him from the institution.
14. **Post Matric Scholarship Scheme:** SC category candidates are entitled for scholarship from the Department of Welfare, Govt. of Punjab if they fulfill their terms and conditions. SC category candidates, whose family annual income from all sources is less than 2.5 lacs, are entitled for post matric scholarship as per guidelines of Govt. of India and Punjab Govt. The respective candidates will have to produce an income declaration by the self-employed parents/guardians, stating definite income from all sources by way of an affidavit on-

judicial stamp paper. Employed parents/guardians are required to obtain income certificate from their employer and for any additional income from other sources, they would furnish declaration by way of an affidavit on non-judicial stamp paper. The Compulsory non refundable fee from such candidates will not be taken by the respective colleges at the time of admission. Respective colleges will claim fee of such candidates from the Director, Research and Medical education, Punjab as per procedure available on their website. For details regarding this scheme/forms/procedure, respective colleges/candidates should visit the website of Punjab Govt., Deptt. Of Medical education and Research(www.punjabmedicaleducation.org) and University website www.graupunjab.org. For any query/clarification, candidates/respective colleges can contact the office of Director, Medical Education and Research, Punjab, Chandigarh or Director, Welfare Deptt., Punjab, Chandigarh. For further information and applying for scholarship candidates may visit <http://www.punjabscholarships.gov.in>. It is also responsibility of the concerned candidate to ensure that college has filled his/her application for scholarship in time.

CONTENTS

Sr.No. Particular	Page No
1. Introduction and General Information	8
2. Definitions	8-9
3. Eligibility & Qualifications	9
4. Fee Required with Online Application Form	9
5. Important Instructions to fill Online Admission Application form for PAET-2017.	9-11
6. Admit Card	11
7. Scheme for PAET	11
8. Conduct of the Test	12-13
9. General Instructions for the Candidates	14
10. Mode of the Test	14
11. Procedure to be followed in the Examination Hall	14-15
12. The OMR Response Sheet	15
13. Pens	15
14. Caution while marking an answer	15-16
15. Negative Marking	16
16. Rough Work	16
17. Caution for Removal of Pages from Question Booklet	16
18. Unfair Means Cases	16-17
19. Declaration of Result	17
20. Result Card	17
21. Merit List	17
22. Online Admission Application Form	17-18
22. Procedure of Online Counselling and Joining at the Colleges	18
23. Important Event	19

Part-II

1. Introduction	20
2. NRI Seats	20
3. Government Notifications	21-39

Annexures:

I.	Syllabus	40-49
II.	Specimen of Certificate from Principal/Head of the Institution last attended and Certificates/Forms regarding exemptions	50-52
III.	Specimen of Certificates of Reserved Categories	53-60
IV.	Undertaking and Residence certificate notifications/ Performa	61-70
V.	List of Colleges	71-72
VI.	Specimen of OMR RESPONSE SHEET	73-74

PART-I

1. INTRODUCTION

Guru Ravidas Ayurved University Punjab, Hoshiarpur was created with the promulgation of the Guru Ravidas Ayurved University Punjab Act, 2009 (Punjab Act No. 4 of 2010) by the Punjab Legislative Assembly. This University regulates the conduct of both undergraduate and post-graduate Ayurvedic, Homeopathic and Unani teaching in 21 affiliated colleges in the State of Punjab. It has about 6,000 registered students presently undergoing undergraduate and postgraduate studies in various disciplines.

This University is one of its own kinds in North India. It is presently poised for a quantum leap in development and progress. The foundation stone of university campus was laid on 9. 10. 2011 by Sardar Parkash Singh Ji Badal, Hon'ble Chief Minister of Punjab and the administrative Block of University Campus in village Kharkan, Near Hoshiarpur and just 10 km from Hoshiarpur city was inaugurated by Sh Vijay Sampla, Hon'ble Minister of State, Social Justice and Social Welfare, Government of India on 19.04.2016 . It will bring about major development in AYUSH and all basic, clinical and allied departments to pursue on education and research. It will attract appropriate talent from all over the country to work in its faculties. It will shortly start new AYUSH courses.

Admissions to various undergraduate and post graduate courses in the affiliated institutions of this University in the State of Punjab are made on merit basis through the conduct of Entrance Tests.

1.1. Selection of the candidates to any institution shall be made as per Punjab Government Notification/s.

2. DEFINITIONS:

- (i) "BAMS" means Bachelor of Ayurvedic Medicine and Surgery.
- (ii) "BHMS" means Bachelor of Homoeopathic Medicine and Surgery.
- (iii) "BUMS" means Bachelor of Unani Medicine and Surgery.
- (iv) "GRAUP" means Guru Ravidas Ayurved University Punjab.
- (v) "Council" means the national statutory council regulating a particular discipline such as:-
 - 'CCIM' means Central Council of Indian Medicine (Ayurveda)
 - 'CCH' means Central Council of Homoeopathy.
- (vi) "Eligible Candidate" means a candidate who satisfies the requirements of eligibility as prescribed in the Prospectus / Government Notification **and corrigendum issued from time to time and other notifications issued for this purpose from time to time** and the criteria of Guru Ravidas Ayurved University Punjab, Hoshiarpur.

- (vii) "Government Notification" means Notification No. **5/3/11-3HBIII/3315 dated 12.05.2011 and corrigendum issued from time to time and other notifications issued for this purpose from time to time** by the Department of Medical Education & Research.
- (viii) "University" means Guru Ravidas Ayurved University Punjab, V.P.O Kharkan , Hoshiarpur.

3. **ELIGIBILITY AND QUALIFICATIONS:**

Eligibility and qualifications will be as per Punjab Govt. Notification No. **5/3/11-3HBIII/3315 dated 12.05.2011 and its amendments/corrigendum issued from time to time.**

4. **FEE REQUIRED WITH ONLINE APPLICATION FORM:**

- I. Application/Registration Fee for PAET-2017 is Rs. 4500/- (Rs. 3000/- for SC candidates).
- II. The prescribed application fee should be remitted through prescribed payment gateway provided using a Credit card or a Debit card issued by banks in India or through Internet Banking.
- III. Application Fee for PAET will not be accepted in any form after due date/time in any case.
- IV. Only those Applications will be considered against which fee has been deposited by due date/time.
- V. Fee once deposited in University Account will not be refunded/adjusted in any case.
- VI. Fee shall not be accepted in any other mode i.e. Cash, Cheque, Demand Draft etc.

5. **IMPORTANT INSTRUCTIONS TO FILL ONLINE ENTRANCE TEST APPLICATION FORM FOR PAET-2017.**

- i) Before applying, candidate should carefully read PROSPECTUS for eligibility conditions and other important conditions.
- ii) Only one application is to be submitted by a candidate. Submitting more than one application by a candidate is liable to be rejected.
- iii) Candidate ensures that he/she has completed the age of 17 years on or before 31st December, 2017.
- iv) After filling online application form by candidate, University will issue a unique Registration Id. Registration Id (i.e. login Id) will be provided to the candidate at his/her registered Mobile Number through SMS and email.
- v) Admit card will be issued against that Registration Id's, against which registration Id application fee has been remitted within a stipulated date and time.
- vi) Candidate should have to apply online on or before 31.07.2017. After this online application form will not be available at the University website and no request will be entertained in this regard.
- vii) Date should be filled in the format of dd/mm/yyyy i.e. date/month/year.
- viii) Registration Id is mandatory for further process, so keep it secret and won't disclose to any unknown person.

- ix) You have to login to upload Photograph, Signatures, Application Status.
 - x) How to upload photograph, Signature, You have to login by entering your Registration Id. The size of photograph, Signature, should not be more than 25KB respectively. Candidate may use third party software i.e. <http://www.shrinkpictures.com> to resize their photograph, Signature, before uploading.
 - xi) Save Application: To get printout of your online application form you have to save your application. Once you save and proceed you will not be able to edit your application data, **so be ensured that you have entered correct data particularly check your Name, Date of Birth, categories etc. before save & proceed.**
 - xii) Go to Registration part II. Thereafter make payment online. After successful payment print out will be possible.
 - Xiii) Candidates are advised to always Logout your application form when you are leaving the computer.
- Note:** Please fill your valid mobile number and email address to receive information regarding your application form time to time in the form of SMS and Email. You will also receive your Registration Id on your given mobile number and email address.

Important: **No request will be entertained for any change in the application form.**

Category codes :

i)	General Category	11
ii)	Scheduled Caste	12
iii)	Schedule Tribe	13
iv)	Backward Classes	14
v)	Backward Area	15
vi)	Border Area	16
vii)	Orthopaedically Handicapped	17
viii)	Visual impairment	18
ix)	Hearing impairment	19
x)	Sports person	20
xi)	Wards of	
	a) Persons killed in terrorist action in Punjab	21
	b) Riot affected/displaced persons	22
xii)	Wards of Defence Personnel	
	a) Killed in action	23
	b) Disabled in action to the extent of 50% or above & Boarded out of service	24
	c) Died while in service & Death attributed to Military service	25
	d) Disabled in service & Boarded out with disability attributed to Military Service	26

e)	Gallantry Award/ other Award Winners both serving/ retired.	27
f)	Serving Defence personnel/Ex-serviceman	28
xiii)	Wards of Punjab Police Personnel, Punjab Armed Police, Punjab Home Guards, and Para-Military Forces	
a)	Killed in action	29
b)	Disabled in action to the extent of 50%	30
c)	Winners of President's Police Medal for Gallantry or Police Medal for Gallantry	31
xiv)	Children/ grandchildren of freedom fighters.	32
xv)	Migrant from J & K due to terrorist violence	33
xvi)	Tsunami Victims	34
xvii)	Cancer Victim	35
xviii)	Aids Victim	36

6. ADMIT CARD :

The University will provide the facility of downloading Admit Cards of PAET-2017. Candidates are required to download the admit cards from the website and follow the instructions given therein. Candidates may please note that admit cards will not be sent by the post. **The admit cards will be available on university website from 3rd August, 2017.** Candidates must not mutilate the Admit card or change any entry made therein. Candidates are advised to preserve their Admit Cards in good condition till admission in BAMS/BHMS/BUMS is over.

7. SCHEME FOR PAET - 2017:

9.1 Date of Test:

The Test will be conducted on **20th August, 2017 (Sunday).**

9.2 Scheme of Test

The Test shall have one paper consisting of questions in Physics, Chemistry and Biology (Botany and Zoology).

The duration of test will be three hours from 11.00 a.m. to 2.00 p.m. which includes the time consumed in signatures, thumb impressions, photography and other security measures

There will be 200 Multiple Choice Questions (50 each of Physics, Chemistry, Botany and Zoology).

Each question will carry four marks, thus total marks will be 800.

The questions will be in English. The candidate will be required to find out the correct answer and mark it on the **Optical Mark Reader (OMR) Response Sheet** by darkening the corresponding oval against the serial number of the question with **BLACK FINE TIP BALL PEN ONLY**. A sample OMR Response sheet is at **Annexure VI**.

9.3 SYLLABUS: The syllabus for PAET-2017 is given at Annexure-I of this Prospectus.

9.4 Centre's for the conduct of PAET-2017:

The test shall be conducted at the centers decided by the University However, the city/cities, centre/centres for the candidates shall be intimated by the University through university website/email.

8. CONDUCT OF THE TEST

- i. The test will be conducted at various centers in the cities. The exact name of the Cities, Institutions, Schools or Colleges will be informed by the University to the candidates.
- ii. The test will be conducted on 20th **August, 2017 from 11.00 a.m. to 2.00 p.m.**
- iii. Candidates are required to reach the Test Centre at least 30 minutes before the start of test. If the candidates do not report in time they are likely to miss some of the general instructions to be announced in the examination hall.
- iv. The candidates must show, on demand, the Admit Card for entry in the examination hall. A candidate who does not bring the Admit Card issued by the Guru Ravidas Ayurved University Punjab, Hoshiarpur, will not be admitted to the examination hall under any circumstances by the Centre Superintendent. **All candidates and invigilators shall be videographed at the examination centres.**
- v. A seat with the Roll Number will be allotted to each candidate.
- vi. Candidates must find out and occupy their allotted seats after consulting the seating plan displayed at Examination Centre.
- vii. A candidate who comes after 5 minutes of the commencement of the Test shall not be permitted to take the test.
- viii. A candidate shall not be allowed to carry any textual material, printed or written, bits of papers or any other material except the Admit Card inside the Examination Hall.
- ix. Calculators, Slide Rules, Log Tables, Electronic Watches with facilities of calculators, cellular phones, pagers or any other electronic devices the use/misuse of which would be adverse to the proper conduct of this Test shall not be allowed inside the Examination Hall. Any candidate in possession of these may be expelled from this Test.
- x. No candidate shall be allowed to go outside the Examination Hall till the completion of the entire duration of time i.e. before 2.00 p.m.
- xi. No candidate, without the special permission of the Centre Superintendent or the Invigilator concerned, will leave his/her seat or the Examination Room until the expiry of full time allotted for test. Candidates should not leave the Hall without handing over their Question Booklets and the OMR Response Sheets to the invigilator on duty.
- xii. Candidates are advised to bring with them a card board or a clip board on which nothing should be written so that they have no difficulty in marking responses on the OMR Response Sheet even if the tables provided in the Examination hall do not have smooth surface. They will also bring their own **BLACK FINE TIP BALL PENS.**
- xiii. Smoking in the Examination hall during examination is strictly prohibited.
- xiv. Tea, coffee, cold drinks, snacks, toffees, chocolates etc. are not allowed to be taken into the examination rooms during the examination
- xv. Use of Electronic/Manual Calculator is strictly prohibited.
- xvi. Mobile phones or electronic devices of any kind are not allowed to be taken in. Violation may lead to cancellation of candidature of the violators.

- xvii. Candidates shall maintain perfect silence and attend to their papers only. Conversation, gesticulation or disturbance in the Examination Hall shall be deemed as a violation.
- xviii. If a candidate is found using unfair means or impersonating, then his/her candidature will be cancelled and he/she will be liable to be debarred for taking examination either permanently or for a specified period according to the nature of offence. Decision of the University shall be final and binding in this regard. However candidates who try to send impersonators shall be barred permanently.
- xix. In the OMR Response Sheet there would be five ovals against every question marked as A, B, C, D and E. The candidate shall shade one of the four ovals corresponding to the correct response to a question using **BLACK FINE TIP BALL PEN** only.
- xx. **If a candidate is unable to answer, he/she should shade the fifth oval i.e Option-E.** There will be no negative marking for wrong answers. However, for security reasons fifth oval has been introduced. In all un-attempted questions fifth oval must be darkened otherwise if all ovals are left blank then that question shall carry one negative mark. Hence it is in the interest of the candidate not leave all ovals blank in any question and one oval has to be shaded out of the five.
- xxi. Candidates are advised not to write anything on any place which is not specifically provided for this purpose.
- xxii. The sheet at the end of the question booklet can be used for rough work. Rough work can also be carried out on the margin of Question Booklet.
- xxiii. The candidates will start the question paper at 11.00 a.m. which will be announced by the invigilator.
- xxiv. Candidates must read the instructions given on the Question Booklet and OMR Response Sheet before attempting to answer the questions.
- xxv. During the course of the Test, Invigilator will approach each candidate to get his/her attendance marked on the Attendance Sheet and also get thumb impression of the candidate. Male candidates shall affix their Left Thumb Impression and female candidate shall affix their Right Thumb Impression at the space provided on Attendance Sheet and OMR Response sheet and the Roll No. Counter slip sheet for records.
- xxvi. The candidate shall be required to fill the Question Booklet No. and OMR Response Sheet number on the Attendance Sheet. **The Invigilator shall also sign at the appropriate places on the Question Booklet, OMR Response Sheet and Attendance Sheet and on the Roll Number counter slip sheet.**
- xxvii. **Candidate must fill the question booklet number and OMR Response Sheet No. very carefully.**
- xxviii. The candidate is required to hand over both question booklet and OMR Response Sheet to the Centre Superintendent even if they have not attempted any question and no page/part of the question booklet and OMR Response Sheet is to be torn or removed or taken out of the Examination Centre under any circumstances failing which the candidature shall be cancelled.
- xxix. No candidate shall be allowed to leave the examination hall/ room before the expiry of the time that is not before 2.00 p.m.
- xxx. The Centre Superintendent/Observer/other authorized University officer / official shall be competent to expel a candidate from the examination centre.
- xxxi. **There shall be other measures which shall be announced at the centre**

9. GENERAL INSTRUCTIONS FOR THE CANDIDATES

- i. No enquiries with regards to the date of declaration of result shall be entertained by the University or Government.
- ii. No re-examination shall be held by the University under any circumstances, for those candidates who are unable to appear on the scheduled date of PAET-2017 for any reason whatsoever.

10. MODE OF THE TEST

- i) The examination shall be only one paper consisting of Physics, Chemistry and Biology (Botany & Zoology). There will be 200 questions in all 50 on Physics, 50 on Chemistry, and 100 on Biology (50 each on Botany & Zoology).
- ii) The paper shall be of 3 hours duration and shall carry 800 marks.
- iii) The test will be of objective type with multiple choice questions and candidates will be provided with a sealed Question Booklet and an OMR Response Sheet. In the Test/Question Booklet, there will be 200 items (questions) serially numbered from 1 to 200. Each item will be followed by four responses marked (A), (B), (C) and (D). Of these four responses only one will be the correct or the most appropriate response.
- iv) The candidate will write with **BLACK FINE TIP BALL PEN**, the required information regarding: Roll Number, Name, Question Booklet No., etc. on the Test/Question Booklet before opening the seal.
- v) **Candidate must write the Sr. No. and set of the Question Booklet carefully on the OMR Response sheet and the OMR Response sheet number on the question booklet and Both the OMR Response sheet number & the Question Booklet No. on the roll number counter slip sheet and the attendance sheet.**

11. PROCEDURE TO BE FOLLOWED IN THE EXAMINATION HALL

- (i) Ten minutes before the commencement of the Test, each candidate will be given sealed Question Booklet and an OMR Response Sheet.
- (ii) Immediately on receipt of the Question Booklet the candidates will fill in the required particulars on the cover page of the Question Booklet and column 1 to 4 of Side-I of the OMR Response Sheet with **BLACK FINE TIP BALL PEN** only. He/She will not open the Seal of Question Booklet until asked to do so by the invigilator.
- (iii) Immediately after opening the Question Booklet the candidate should check it thoroughly and inform the invigilator within 10 minutes regarding any discrepancy/ies found in Question Booklet. After 10 minute any claim regarding this may not be entertained.
- (iv) The test will start exactly at the time mentioned in the Admit Card and an announcement to this effect will be made by the invigilator.
- (v) During the examination time, the invigilator will check Admit Card of the candidates to verify the identity of each candidate. The invigilator will also put his/her signatures in the place provided on Side-I of the OMR Response Sheet.
- (vi) Candidates shall bring his/her own **BLACK FINE TIP BALL PENS**. These will not be supplied by the University.
- (vii) After completing the test and before handing over the Question Booklet and the OMR Response Sheet, the candidate should check again that all the particulars

required in the Question Booklet and the OMR Response Sheet have been correctly written or filled. Ensure that the Roll No. and the Question Booklet Series are correctly written and coded in the OMR Response Sheet.

- (viii) A signal will be given at the beginning of the examination and at half-time. A signal will also be given before the closing time when the candidate must stop marking the response.

12. THE OMR RESPONSE SHEET

- i. OMR Response Sheets will be distributed alongwith the Question Booklet.
- ii. A specimen copy of the **OMR Response Sheet** to be used for answering questions is given at **Annexure-VI** of this Prospectus. Candidates are advised to go through it and be conversant with the requirement of giving particulars and marking the responses so that during the examination they could do so without any difficulty and/or without making any mistake thereby avoid loss of time.
- iii. OMR Response Sheet can be filled only with **BLACK FINE TIP BALL PEN**.
- iv. The OMR Response Sheet will be scanned by an Optical Scanner. There will be two sides of the OMR Response Sheet i.e. Side-I and Side-II.
 - a) **Side-1** of the OMR answer sheet contains the following columns, which are to be filled up neatly and accurately with a **BLACK FINE TIP BALL PEN**:-
 - (i) Roll No.
 - (ii) Question Booklet No.
 - (iii) Signature of candidate
 - b) **Side-II** of the OMR answer sheet contains the following columns, which are to be filled up neatly and accurately with a **BLACK FINE TIP BALL PEN**:-
 - i) Roll No.
 - ii) Question Booklet Number
 - iii) Columns 1 to 200 (i.e. responses to questions in Question Booklet). Each column corresponds to the serial number of question given in the Question Booklet. With each column there are five ovals out of which four correspond to the four responses one of which is correct or most appropriate **The fifth one is for unattempted question i.e option E.**

NOTE: Please use **BLACK FINE TIP BALL PENS** only for writing/coding particulars on the OMR Response Sheet. Use of any other writing instrument shall invalidate the OMR Response Sheet.

The candidate must ensure that the OMR Response Sheet is not folded, soiled or mutilated. No stray marks should be put on OMR Response Sheet.

13. PENS

The candidate will bring his/her own material. Please note that only **BLACK FINE TIP BALL PEN** will be used in the test. In case pencil or any pen other than **BLACK FINE TIP BALL PEN** is used, the OMR Response Sheet may be rejected by the Optical Scanner and such a response sheet will be invalidated.

14. CAUTION WHILE MARKING AN ANSWER

- i) If more than one oval is darkened such a response shall be treated wrong.
- ii) The candidate is advised to decide about the answer before it is marked on the OMR Response Sheet. He/ She must ensure that appropriate oval is completely darkened with **BLACK FINE TIP BALL PEN** only. A lightly or faintly darkened oval will be treated as a wrong method of marking and will be rejected by the Optical Scanner.
- iii) Use **BLACK FINE TIP BALL PEN** only to darken the appropriate oval.
- iv) The oval should be so darkened that it is completely filled.
- v) Darken only one oval for each entry.
- vi) Make the marks only at the space provided.
- vii) Please do not fold the OMR Response Sheet or make any stray marks on it.
- viii) **In unattempted questions last oval i.e option - E must be darkened otherwise all blank ovals in a question shall lead to negative marking.**

15. **NEGATIVE MARKING**

There will be no negative marking for wrong answers. However, for security reasons fifth oval has been introduced. In all un-attempted questions fifth oval must be darkened otherwise if all ovals are left blank then that question shall carry one negative mark. Hence it is in the interest of the candidate not leave all ovals blank in any question and one oval has to be shaded out of the five.

16. **ROUGH WORK**

The candidate will not do any rough work or writing work on the OMR Response Sheet. All rough work is to be done on the margin of Question Booklet or on the space available on this question booklet.

17. **CAUTION FOR REMOVAL OF PAGE(S) FROM QUESTION BOOKLET**

The candidate will check and ensure that the Question Booklet contains number of pages as are written on the top of the first page. The candidate shall not remove any page(s) from the Test-Booklet and if any page(s) is/are found missing from his/her Booklet, then his/her candidature will be cancelled and a criminal case may be got registered against him/her. In case a candidate finds that there are blank or duplicate or unreadable page(s) in his/her booklet then this fact shall be brought to the notice of the invigilator on duty who shall supply a fresh Question Booklet to the candidate. The candidate shall not fill the Serial No. of fresh Booklet in the OMR Response Sheet as this fact will be reflected in the report of the Centre Superintendent to the University.

18. **UNFAIR MEANS CASES:**

During the course of examination, before or later on, if a candidate is found to have indulged in unfair means at examination and marked as UMC (Unfair Means Case) by the university. Such candidates would be debarred from taking this examination permanently in future and shall also be liable for criminal action or any other action as deem fit by the university.

Candidates should ensure before leaving the Examination Hall that they have handed over the Answer Sheets and Question paper to the invigilator on duty and that they have signed on the Attendance sheet. In case the candidate does not hand over the Answer sheet and

Question booklet and takes away the same with him/her, this shall amount to use of unfair means and accordingly his/her case shall be dealt with.

19. **DECLARATION OF RESULT**

- a. After, all the Question Booklets and OMR Response Sheets are received by the University the evaluation shall be done using OMR machine.
- b. After evaluation, result shall be declared Rankwise, Roll No. wise and category wise. The Ranking shall be solely based on the result of PAET-2017 and shall not be valid for admission. This Ranking will be drawn to give an approximate idea to the candidate with regard to his/her relative position only based on PAET-2017.
- c. The result will be declared on or before 23th August, 2017. The result will be available on University website www.graupunjab.org
- d. The result so declared and Ranking so drawn shall be made known to each candidate by an official gazette, copies of which shall be available at the office of the University at Hoshiarpur and University's web site www.graupunjab.org
- e. The gazette of the result will be available in the office of the University at Hoshiarpur.

20. **RESULT CARD:** *CANDIDATES MAY ACCESS/DOWNLOAD THEIR RESPECTIVE RESULT CARD FROM THE UNIVERSITY WEBSITE www.graupunjab.org from any internet source by following the instructions given below:*

Directions for accessing/downloading RESULT CARD:

- a) Access University website www.graupunjab.org
- b) Click on PAET-2017 RESULT.
- c) Click on INDIVIDUAL'S RESULT.
- d) Enter individual Roll No.
- e) Download/print individual result card.

21. **MERIT LIST**

The University will prepare a list of the applicants for admission out of the successful candidates in the order of merit based on the PAET-2017 Rank and the provisions of the Punjab Government Notification No. 5/3/11-3HBIII/3315 dated 12.05.2011 and corrigendum issued from time to time and subsequent notifications in this regard for the purpose of allotment of seats in the different courses/institutions.

22. **ONLINE ADMISSION APPLICATION FORM**

1. To participate in the online counselling, candidate have to pay Rs. 1500/- as online counselling fee through Payment gateway provided, failing which seat will not be allocated to the candidate.
2. After declaration of PAET-2017 candidates have to fill online counselling form through University website i.e. www.graupunjab.org. It is compulsory to take part in online counselling for allotment of seat.
3. If candidate is registered for PAET, but does not fill online counselling form and choices, he/she will not be allotted any seat.
4. Candidates can give their maximum preferences of colleges/quota/category/specialty wise.
5. After provisional allotment of seat, if candidate does not report to the allotted college within stipulated time, his/her seat would be vacated automatically and included in the vacancy position for next subsequent counseling's.
6. In case candidate is allotted seat during the second round of allotment process (choice is up-graded), the seat allotted during the first round will be automatically cancelled immediately (and allotted to somebody else) and candidate will have to join the

college/seat allotted during second round. If candidate does not join the college/seat allotted during the second round, within stipulated time, as per schedule, from the date of allotment, candidate will forfeit his/her allotted seat. Seat can also be up-graded in the same college by change of category (i.e. SC/BC) in such a case the candidate has to take fresh admission on the upgraded seat.

7. Once the choices' are filled in, it can be modified before locking it. During choice locking period it is necessary to lock the choices to get a print of submitted choices. If candidate does not lock the choice submitted by him/her, submitted choices by him/her will be automatically locked at 5:00 PM of the last day of choice locking, however he/she will be allowed to take a print of choices after that but will not be permitted to modify any choices.
8. For claims on reserved seats/categories/quotas wherever applicable, the candidates must support their claim by attaching self attested photocopies of appropriate certificate(s)/documents issued by competent authority as per specimens given in Annexures to this prospectus with printout of online Admission Application Form. Original certificates/documents shall have to be produced by the candidate at the time of reporting to the provisionally allocated college/counselling venue.
9. Counselling for admission under PAET – 2017 will be online as per the schedule given in the prospectus or available at University website.
10. The fee structure for the Government/Private managed colleges is as per Punjab Government notification(s). If later on Punjab Government issues any amendment/corrigendum for change in fee structure that will be applicable in letter and spirit.

PROCEDURE OF ONLINE COUNSELLING AND JOINING AT THE COLLEGES

Counselling for admission to BAMS/BHMS/BUMS course will be online. During online counselling, candidates will fill online counselling form therein they will give their preferences of course, college, category, quota. Seat will be allocated as per the merit of PAET-2017 and order of preferences given by the candidate. Therefore, candidates are advised to take care during filling up the order of preferences of course, college, category, and quota. Candidates of reserved categories will also be considered in open merit, if open merit seat is available then seat of open merit will be allocated to them else seat of reserved category will be allocated.

There will be two online counselling and one physical counselling. After provisionally allocation of seat, candidates can download provisional allocation letter from the University website after login to their account and report to the respective college alongwith all original documents for the checking of documents and their eligibility. After checking of their original documents and eligibility, Principal of the respective college will issue a bank challan for deposition of tuition fee at any branch of Canara Bank. After depositing a tuition fee, candidates will again report at the provisionally allocated college for their joining and medical checkup. If any candidates do not follow the said process his/her allocated seat will be cancelled automatically without any intimation.

If candidate is satisfied with seat allocated to him/her during online counselling, he/she is not required to participate in the subsequent round of counselling's. **In case, candidate wants to upgrade/change his/her seat he/she will have to participate in the subsequent round of counselling and give their preferences afresh for the course/college/category/quota.**

In case any candidate wants to quit the course/seat, he/she will have to submit application to the respective college as well as to the University regarding their surrender of seat well in advance before start of next round of counselling.

In case candidate seat is upgraded/changed in the subsequent round of counselling and he/she has already deposited the tuition fee, he/she is not required to deposit fee again, provided He/ She has to deposit any difference in fee, if any.

IMPORTANT EVENTS

1. PAET – 2017 Online Registration

- a. Read PAET – 2017 Prospectus and Punjab Government Notification incorporated in the Prospectus for eligibility and other conditions.
- b. Create account for PAET – 2017 at University website i.e. www.grauadmission2017.in Candidate will be issued Unique Registration ID.
- c. The information desired to be filled in the online application such as applicant name and date of birth, name of applicants father/mother with correct spellings as per class 10th certificate.
- d. Deposit application fee through Payment Gateway Available.
- e. Upload latest photograph (25 kb Size) of applicant, signature.
- f. The candidates must ensure that all information filled in the application form is correct specifically date of birth, spellings of name, father/mother's name and categories claimed.

2. Admit Card to be downloaded from University website i.e www.grauadmission2017.in

- a. Candidates are required to download the admit cards from the University website and follow the instructions given therein. The admit card will bear the candidate's roll number, name, father's name, categories claimed, photograph, signature, date of birth, name and address of examination centre allotted.

3. Appear in PAET – 2017.

- a. Candidate should reach the examination centre at least two hour before starting of examination. Candidates must ensure that they leave home well in advance considering all facts like traffic, location of the centre and weather conditions, etc.

4. Download PAET – 2016 result from University website www.grauadmission2017.in

- a. Candidate should download result of PAET – 2017 from the University website and keep copies of the result alongwith them till the completion of the admission process.

5. Filling and submitting online preferences of Course/College/Category/Quota form for online PAET – 2017 counselling.

- a. Online application form for online counselling will be available at University website within stipulated time period (as per schedule given in the prospectus of available at University website). Candidates will give their preferences (chronological order) of course/college/ category/quota. Provisional seat will be allocated (subject to checking of eligibility and verification of documents) as per merit and preference given by the candidates. After locking of form for submitting preferences/choices, no request for change or rectification in preferences/choices will be accepted even if candidate have made a mistake.
6. Reporting to the provisionally allocated college: Reporting to provisionally allocated college within stipulated time period, alongwith all original documents for checking of documents and eligibility.
7. Deposition of Tuition Fee: After reporting to the provisionally allocated college, Principal of concerned college will verify the documents and checking of eligibility of candidates. He will thereafter issue a bank challan form to deposit requisite tuition fee.
8. Joining at the college: After submitting a proof of deposition of tuition fee at the college, Medical Checkup of the candidate will be conducted at the respective college for joining.

Note:

1. If BAMS/BHMS/BUMS course seats remained vacant after considering all PAET – 2017 qualified candidates, such vacant seats shall be filled as per Punjab Government notification. (For updates and further information, please stay with the University website)
2. Tuition fee will be directly deposited in the University account through specified bank challan of Canara Bank. Bank challan form shall be issued by the Principal of the respective college, after verification of eligibility and checking of the documents.

PART-II

1. **INTRODUCTION**

Part-B pertains to admission to BAMS/BHMS/BUMS courses on the basis of PAET-2017. This part contains **Punjab Government Notification No. 5/3/11-3HBIII/3315 dated 12.05.2011 and corrigendum issued from time to time for BAMS/BHMS/BUMS Courses.**

2. **NRI Seats: Application for these seats in Government College shall have to be sent to the University whereas for Private institutes the application has to be sent to the concerned institute but after obtaining the eligibility certificate from the university**

The final status of the Colleges and the seat availability shall be displayed at the time of counselling.

Notwithstanding candidate's participation in PAET-2017 only those candidates who are eligible as per the Prospectus, University Rules and the Punjab Govt. Notification No. 5/3/11-3HBIII/3315 dated 12.05.2011 and corrigendum issued from time to time and subsequent notifications and apply online for admission after PAET-2017 shall be considered for admission. The applications of the ineligible candidates will be rejected.

GOVERNMENT OF PUNJAB
DEPARTMENT OF MEDICAL EDUCATION AND RESEARCH
(HEALTH III BRANCH)

NOTIFICATION

No. 5/3/11-3HBIII/3315

Dated: 12/05/2011

SUBJECT: ADMISSION TO BAMS AND BHMS COURSES- IN AYURVEDIC AND HOMOEOPATHIC INSTITUTES SITUATED IN THE STATE OF PUNJAB- 2011 ONWARDS.

1. GENERAL

- 1.1 The Governor of Punjab is pleased to notify the admissions to Under-Graduate Degree courses that is BAMS and BHMS for the year 2011 onwards in the Ayurvedic and Homoeopathic institutes in the State of Punjab. All the institutions whether Government or private, aided or unaided, minority or non-minority shall be covered by this notification.
- 1.2 The Governor of Punjab is further pleased to authorize **Guru Ravidas Ayurvedic University, Hoshiarpur** to conduct the Punjab AYUSH Entrance Test-2011 onwards, hereinafter called PAET, in the compulsory subjects of Physics, Chemistry and Biology (Botany & Zoology) for selection of candidates for admission to BAMS/BHMS courses in various institutions, in the State of Punjab, for the year 2011 onwards. The seats of the State quota in Government Institutes and that of the Government quota in private Institutes shall be filled out of the candidates as per their merit in the PAET of corresponding year.
- 1.3 ******* The Governor of Punjab is further please to notify that the admission to BAMS/BHMS course shall be made on the basis of merit in PAET, the vacant seats shall be filled on the basis of qualifying exam (10+2 Medical).**
- .
- 1.4 No institution shall select candidates out of any other source, or in any manner other than inter se merit of the candidates in the PAET merit list for test based admissions to the management seats BAMS/BHMS and there shall be no sub-reservation/quota for any sub category for these seats. There shall be no overlapping or bye-passing of inter-se merit of candidates seeking admission to the seats in the management quota except the NRI quota seats. There shall be constitutional reservation in all the Private institutions except the minority Institutes. The reserve category candidates shall have the right to compete for admission in general category seats as per their merit and candidates so selected shall not be counted towards admission in the reserve category.

2. CONDUCT OF PAET-2011 ONWARDS.

- 2.1 The PAET shall be conducted by the Guru Ravidas Ayurvedic University, Hoshiarpur. The PAET exam shall be conducted as per programme mentioned in para 2.5 below.
- 2.2 After the declaration of result of the PAET, the candidates shall have to apply to Guru Ravidas Ayurvedic University, Hoshiarpur for Admission to the State/Management Quota as well as Government Quota Seats. For the minority quota seats, the candidates shall have to apply to the institution concerned. Such seats shall be filled by the institutions concerned as per the provisions of this notification for these seats. (Applications for admission shall be received by the University and admission shall be made by the admission committee except NRI

SEATS) Further all NRI quota applicants will submit their application to the University.

- 2.3 The candidates while applying for PAET shall submit four identical clear passport size color photographs from the same negative, three of which must be signed by the candidate and attested on the front side by the Head of the Institution wherefrom candidate has passed/appeared in 10+2 examination/qualifying examination. The unsigned photograph shall be scanned by the University and printed on the roll number slip of the candidate.
- 2.4 One scanned photograph shall be provided to the Centre Superintendent and the another to the Chairman of the respective Admission Committee which shall be matched with the attested photographs of the candidates in record. Male candidates shall affix their LTI and female candidates shall affix their RTI at the prescribed place on the OMR & Admission Form. The Centre Superintendent shall also obtain the thumb impression on a counterfoil of the Roll Number Slip/Admit Card and also on attendance sheet, OMR Answer Sheet and the Question Booklet and retain it for record. One thumb impression of the admitted candidate shall be taken by the Principal of the Institution concerned. And it shall be the responsibility of the Principal of the college to match the photograph of the candidate with the one supplied by the University and also to check the certificates for eligibility before formal admission.
- 2.5 The conditions and modalities for the conduct of PAET, would be decided by the Guru Ravidas Ayurvedic University, Hoshiarpur and the University will publish in the Prospectus a detailed schedule for admissions indicating date of availability of prospectus, last date for submission of applications, OMR, date of issuance of roll numbers, date of the Entrance Test, date of Submission of form for admission. Schedule shall also be published on the website of the University. The Schedule shall be in conformity with, the schedule laid down by **CCIM***/Hon'ble Supreme Court of India/ State Government, However, the result shall be declared on or before 31st May each year and the counselling shall be held as detailed below:-

S. No.	BAMS	BHMS
First Counselling	16 th July each year.	30 th July each year.
Second Counselling	10 th August each year.	12 th August each year.

- 2.6 The Rank wise, category wise, Roll No. wise result of PAET shall be declared by Guru Ravidas Ayurvedic University, Hoshiarpur by publishing it on the University website. The web address shall be published in the prospectus.
- 2.7 There will be no negative marking.
- 2.8 There can be re-checking/revaluation of the response sheets, if demanded by the candidate/guardian of the candidate on payment of fees prescribed by the University within 7 days.

3. INSTITUTIONS AND SEATS:

- a. The details of the institutions and Category wise seats available in each institution along with the status of the institute shall also be put on the official web site of the Guru Ravidas Ayurvedic University, Hoshiarpur before July 30th of the year of examination.
- b. **Govt. Institutions** - State Quota 85%

	-	NRI Quota 15%
Private Institution	-	Govt. Quota 50%
	-	Management Quota 50% (Including 15% NRI Quota)

- c. The seats are subject to decrease or increase as per CCIM/GOI directions.
- d. **** **“15% seats shall be open to candidate who have studied 10+1 and 10+2 examinations or equivalent examination with physics , Chemistry, Biology and English as regular students from a recognized institution from any where in the country .However , if the requisite numbers of eligible qualified candidates are not available under 85% quota, the vacant seats shall be transferred to 15% quota and vice versa.**

4. ELIGIBILITY CRITERIA FOR PAET.

A For PAET (Common criteria for all Courses).

- (i) The candidate should have passed 10+2 with Physics, Chemistry, Biology & English or its equivalent examination and the qualifying examination as a candidate from a recognized institution/University before the time of counseling. The 10+2 or equivalent examination will be as per details given below :-
 - (a) The higher secondary examination or the Indian School Certificate Examination which is equivalent to 10+2 Higher Secondary Examination after a period of 12 years study, the last two years of study comprising of Physics, Chemistry and Biology after the introduction of the 10+2+3 years education structure as recommended by the National Committee on Education;
OR
 - (b) The intermediate examination in Science of an Indian University/Board or other recognized examining body with Physics, Chemistry and Biology which shall include a practical test in these subjects and also English as a compulsory subject;
OR
 - (c) The Pre-professional/pre-medical examination with Physics, Chemistry and Biology, after passing either the higher secondary school examination or the pre-university or an equivalent examination. The pre-professional/premedical examination shall include a practical test in Physics, Chemistry and Biology and also English as compulsory subject;
OR
 - (d) The first year of the three year degree course of a recognized university with Physics, Chemistry and Biology including a practical test in these subjects provided the examination is a “University Examination” and candidate has passed 10+2 with the English at a level not less than a core course;
OR
 - (e) B.Sc examination of an Indian University, provided that the candidate has passed the B.Sc. examination with not less than two of the following subjects-Physics, Chemistry and Biology (Botany, Zoology) and further that the candidate has passed the earlier qualifying examination with the following subjects- Physics, Chemistry and Biology and English;
OR
 - (f) Any other examination which, in scope and standard is found to be equivalent to the intermediate Science examination of an Indian University/Board, taking Physics, Chemistry and Biology including a practical test in each of these subjects and English;
- (ii) The candidate should have passed the 10+2 examinations with Physics, Chemistry, Biology and English or equivalent examinations as listed under 4 A(i) a to f, during the Annual Examination held in March April of the corresponding year, or earlier as a

candidate from a recognized institution. Candidates who appeared as candidate but failed/were placed in reappear after studies at 10+2 in a recognized institution shall also be eligible if they pass such examination during annual examination of the corresponding year or before the counselling.

- (iii) Those candidates who had been placed in compartment in the earlier years should clear the same along with the students of annual examination of the corresponding year. Those who are placed in compartment in the annual examination the corresponding year or who are already in compartment and fail to clear the same in the annual examination the corresponding year shall be eligible.
- (iv) **Result not declared-** A candidate who may have appeared in the qualifying examination in the annual batch, but whose result has been not declared may be provisionally permitted to appear in PAET the corresponding year. The candidate will be required to produce the evidence of the result having been declared and he/she having passed the annual examination the corresponding year fulfilling the eligibility by the time of first counselling.
- (v) **Age:** Candidate must have completed the age of 17 years on or before 31 December the corresponding year.
- (vi) Should have passed his/her 10+2 examination or other qualifying examination in place of 10+2, as listed in 4 (A) (i) (a) to (f) above, from a recognized institution situated in the State of Punjab only except for the exemptions wherever applicable. The candidate would be required to submit a certificate to this effect from the Principal/ Head of the Institute last attended in the Prescribed Proforma.
- (vii) In case candidate has also taken up Mathematics along with Physics, Chemistry, Biology and English at 10+1 & 10+2, then the marks obtained in Mathematics shall not be considered for admission.
- (viii) The candidate should be bonafide resident of Punjab. The Resident status of the Punjab State, will be taken in terms of Punjab Government. Department of Personnel and Administrative Reforms (PP II Branch) letter No.1/3/95-3 PP II/9619, dated 6th June, 1996, ID No. 1/2/96-3PP-2/8976, dated 7th July, 1998 and ID No. letter No. 1/3/95-3 PP II/81, dated 1st January 1999 and further instructions issued by the Department, if any and the same shall be adhered to in letter and spirits in PAET.

B Candidate must have passed in the subjects of Physics, Chemistry, Biology and English individually and must have obtained a minimum of 50% marks (40% for SC/BC **and 45%**

for Physical Handicapped*) for BAMS and 40% marks (33% for SC/BC) for BHMS taken together in PCB and also in Physics, Chemistry and Biology (PCB) in 10+2 examination .

C (i) If PAET qualified candidates are not available then out of the PAET appeared candidates shall be admitted on the basis of his/her marks in the PAET.

(ii) If the PAET qualified PAET appeared candidates are not available both from the University and on open advertisement, then the candidates who have appeared in PAET shall be admitted on the basis of their score in 10+2 or equivalent examination. If even such candidates are not available, then those who have not appeared in PAET will be admitted on the basis of 10+2 or equivalent examination. Even if such candidates are not available, the candidates other than belonging to Punjab shall also be considered subject to the condition that all such admissions are made on merit in a transparent manner after giving proper public notice.

D Exemptions under para 4 A (i)(a) to (f) for 4 A (vi) and 4 C (i)

i) Children/wards/dependents (whose parents are not alive) of all those regular Punjab Government employees, members of All India Services borne on Punjab cadre, Serving Judges and the employees of the Punjab and Haryana High Court, employees of Board/ Corporations/ Statutory Bodies established by an act of the State of Punjab who have been holding post outside Punjab on or before 1st January of the year of entrance test and their children/wards/dependants were compelled to do 10+1 and/or 10+2 outside Punjab.

(ii) Children/wards/dependents (whose parents are not alive) of all those regular Central Government employees, employees of Boards/Corporations/Statutory Bodies of the Central Government who have remained posted inside Punjab for at least two years out of the three years preceding the year of PAET but were posted outside Punjab for some time during these three years due to which their children/wards/dependants were compelled to do 10+1 and/or 10+2 or equivalent qualifying examination outside Punjab. However those who remained posted in Punjab continuously for three years shall not be entitled to be exempted as they are equally placed with other Punjab Government employees posted in Punjab.

(iii) Children/wards/dependents (whose parents are not alive) of all those Punjab Government pensioners who have retired on or before 1st January of the year of entrance test and have settled outside Punjab on or before 1st January of the year of the entrance test and their children/wards/dependants were compelled to do 10+1 and/or 10+2 outside Punjab.

- (iv) Children/wards/dependents (whose parents are not alive) of those military/para military forces personnel who were born in the territory of Punjab as per their service record at the time of entry into service.
- (v) Children/wards/dependents (whose parents are not alive) of those Ex-employees of military/para military forces who were born in the territory of Punjab as per their service record at the time of entry into the service and have retired on or after 1st January of the year preceding two years of the year of entrance test.
- (vi) Candidates getting admission on all India basis in case the Punjab candidates are not available.
- (vii) Candidates belonging to minority community who are competing for the minority quota in the minority institutions.
- (viii) Candidates seeking admission under NRI category.
- (ix) Candidates under J & K migrant.
- (x) Tsunami Victim Category.
- (xi) **Wards of defence personnels posted in Punjab who has passed only for the qualifying examination i.e. 10+2 examination mandatory for the admission of BAMS/BHMS shall be considered eligible for admission in professional colleges and institutions in state.***

Note 1. For those candidates who are repeaters in categories (i) to (v) the year of entrance for the purpose of all these clauses shall be taken as year of passing 10+2 examination by the Candidates in place of year of PAET.

Note 2. The dependency certificate in case of those whose parents are not alive shall have also to be taken from the Deputy Commissioner of the District where the candidate resides.

5. RESERVATION

A. For Government Colleges:

The reservation for the State quota seats in Government Institutes in various categories for admission to the under Graduate courses in Government Ayurvedic Institutes will be as under:

- (i) Schedule Caste:- 25%
Note: The reservation of SC shall be calculated on total seats in the institution whereas the rest of reservation for all other categories shall be calculated on the seats left out after deduction of CBSE and SC Quota **if the reservation is not provided to SC/ST by the CBSE.**
(SC candidates shall be eligible to apply for post matric scholarship and reimbursement of fee if they fulfill the terms and conditions laid down by Welfare Department, Punjab Government)
- (ii) Backward Classes- (Note The backward Class Certificate must be as per the latest instructions of the Government of Punjab in which the annual income of the family is specifically certified) 5%
- (iii) Backward Area/Border Area 1% each 2%
- (iv) Physically handicapped Orthopaedically Handicapped only (as per CCIM guidelines) 3%

(disability 50% to 70%) to be determined at the time of Counselling by a duly constituted board of the specialty of Orthopaedics. ***In case of non-availability ,the seats will be offered to the candidates having 40% to 50% disability in lower limbs.**

- * Reservation for Physically Handicapped shall be 3% out of which 1% each shall be given to the 3 categories of Handicapped falling under Visual impairment, Hearing impairment and the Orthopaedically handicapped.
- (v) Sports Persons: - 1%
(credits will be given for the sports achievements made during 10+1 and 10+2 classes only and shall be graded by the Director Sports, Punjab)
- (vi) Wards of terrorists affected persons (in order of preference to the exclusion of next category) (As per decision of the Hon'ble Supreme Court) 1%
(a) Persons killed in terrorists actions in Punjab/riots outside Punjab.
(b) Terrorist/Riot affected/displaced persons.
- (vii) Wards of Defense Personnel (in order of preference to the exclusion of next category) 1%
(a) Killed in action.
(b) Disabled in action to the extent of 50% or above & Boarded out of service.
(c) Died while in service & Death attributed to Military service.
(d) Disabled in service & Boarded out with disability attributed to Military Service.
(e) Gallantry Award/other Award Winners both serving/retired.
(f) Serving Defense personnel/Ex-serviceman.
- (viii) Wards of Punjab Police Personnel, Punjab Armed Police, Punjab Home Guards, and Para-Military Forces
(in order of preference to the exclusion of next category) 1%
(a) Killed in action.
(b) Disabled in action to the extent of 50%
(c) Winners of President's Police Medal for Gallantry or Police Medal for Gallantry.
- (ix) Children/grandchildren of freedom fighters. 1%
- (x) **Tsunami Victims/Cancer/Aids Victims** 1%
Note: The reservation under Tsunami Victims category shall be available only to wards/children of all Ex-servicemen settlers of Campbell Bay Island in Andaman & Nicobar.* They are not required to take the entrance test as condition is contained in para :6 and para :7.1.

B. For Private Institutes:

The reservation in private institutes (in Government quota seats) will be as under:

- (i) Scheduled Caste: - 25%
(SC candidates shall be eligible to apply for post matric scholarship and reimbursement of fee if they fulfill the terms and conditions laid down by Welfare Department, Punjab Government)
- (ii) Backward Classes: - 5%
Note: The Backward Class Certificate must be
As per the latest instructions of Government of Punjab
- (iii) Physically handicapped Orthopaedically Handicapped
(As (as CCIM guidelines) 3%

(Disability 50% to 70%) to be determined at the time of interview by a duly constituted board of specialty of Orthopaedics consisting of the heads of departments of three state medical colleges.

- Reservation for physically handicapped shall be 3% out of which 1% each shall be given to the 3 categories of handicapped falling under visual impairment, hearing impairment and the Orthopaedically Handicapped.

(iv) Migrants from Jammu and Kashmir due to terrorist violence. 1%

C. Explanation: The following points shall be observed while granting above reservation both in Government and in private institutes:

- i. The candidate under category (iii) of orthopedic handicap shall be admitted only if he/she has locomotors disability of lower limbs between 50 % to 70 % and with this disability he/she is otherwise found fit medically to pursue the concerned course by the Medical Board duly constituted by the Government and consisting of Heads of the respective departments of three Medical institutes at Patiala, Amritsar and Faridkot of the specialty concerned. Similarly for the candidates opting under visual/hearing impairment category the admission shall be made if the candidate is otherwise found fit medically to pursue the concerned course by the said Medical Board.
- ii. For the claim of reservation in category 5A(viii) a certificate to this effect issued by inspector General Police (HQ), Punjab Shall have to be produced while submitting other documents In case of Paramilitary Forces this certificate shall be countersigned by IG Police (HQ) Punjab.
- iii. Reservation under category (vi)(a) shall be given only to those whose bread winner has been killed.
- iv. The above reservation will be made in each course/institutes separately subject to the availability of seats as per instruction issued by the Government of Punjab from time to time.
- v. **The sports Quota admission in category 5a (v) shall be made out of the eligible candidates as per requirement of minimum marks in PAET and other conditions of this notification, while the merit inter-se shall be determined on the basis of sports achievements in 10+1 and 10+2 as graded by Director Sports, Punjab.**

- vi. The 25% quota of SC shall be calculated on the total seats in the Government Institutes.
- vii. Students claiming benefits of reservation under SC/BC category will be required to produce a certificate from the competent authority as per instructions of the Department of Welfare No.1/41/96-RC1/110001-17 dated 17/1/94(for BC) as amended from time to time and in the BC Certificate income of the family from all sources must be recorded.
- viii. Candidate belonging to SC/BC will be eligible for admission as per their combined merit in PAET in General category also if they opt for the same. However, on the same day of counselling the candidate shall be able to opt for category seat also if he/she is eligible and opts for the same. **There shall be constitutional reservation in the Management Quota in the private** institutes but there shall be no reservation in minority institutes.
- ix. The counselling for all categories shall be held as per common merit of PAET on the specified days published by the university. The reserve category candidates shall be eligible to opt for a general seat or a reserve seat on a day of counselling where his/her merit falls. The dates of PAET, counselling and admissions will be decided by director, Research and Medical Education, Punjab/ Guru Ravidas Ayurvedic University, Hoshiarpur.
- x. Seats filled on all India basis, after exhausting Punjab candidates, the reservation shall be 15% for SC 7.5% for ST and 3% for Handicapped. Seats remaining vacant under any category shall be merged with the general category seats only, except for NRI seats in private institutions which will be converted to management quota.

6 FOREIGN INDIAN STUDENT NRI SEATS

- 6.1 **Seats-** 15% seats in all private institutes/university college and specified number of seats in Government Institutes shall be earmarked for the Non Resident Indians in the following order of priority to the exclusion of next category below:-
 - Category I:- NRIs who originally belonged to the State of Punjab.
 - Category II:- NRIs who originally belonged to an Indian state other than Punjab.

The institute wise details of seats under this quota can be downloaded from the website of University . The NRI quota in private institutes will be part of the management quota.

- 6.2 The candidates for N.R.I. seats in Ayurvedic/Homoeopathic Colleges will be admitted on merit determined on the basis of marks obtained in the qualifying examination equivalent to 10+2 examination of P.S.E.B./C.B.S.E./I.C.S.E in physics, chemistry, biology and English (PCB) taken together. The equivalence, merit and eligibility of the candidates will be determined by the Guru Ravidas Ayurvedic University, Hoshiarpur, who will issue an eligibility certificate to each such candidate, They are not required to take the entrance test. For admission to State/ University Ayurvedic Colleges, against NRI seats the candidate shall apply to Guru Ravidas Ayurvedic University Hoshiarpur on the prescribed form for NRI seats.

- Note: (a) If sufficient number of candidates under first category are eligible and available then they will be admitted first even if students under subsequent category are higher in merit.
- (b) The NRI students will have to give a bank guarantee/surety bond for the balance of fee, if they opt to pay the fee in installments as provided.
- (c) Any seats remaining vacant under NRI quota till last date of admission in State Colleges shall go to general pool and in the private colleges shall go to the special management/minority quota. Under such Management Quota Seats, first priority shall be given to PAET ranking and residual seats, if any, shall be filled in accordance with inter-se-merit of eligible candidates.
- (d) NRI unfilled seats under management will be filled by management itself, however, its fee shall not exceed double than management quota fee or NRI quota fee whichever is lower.

7. ELIGIBILITY AND PROCEDURE FOR ADMISSION

7.1 ELIGIBILITY:-

For admission to BAMS course, the candidate must have secured at least 40% (33% for SC/BC) in the PAET and for BHMS course, the candidate must have secured at least 33% marks in the test.

7.2 EQUAL MARKS IN PAET: In case of two or more candidates securing equal marks in PAET, their inter-se-merit will be determined as under:-

- (i) Firstly the candidate having higher percentage of aggregate marks at +2 level in PCB calculated up to 3 decimal points.
- (ii) Then the candidate having higher marks in the subject of Biology in qualifying examination i.e. 10+2.
- (iii) Then the Candidate, older in age.

7.3 ADMISSION TO THE GOVERNMENT INSTITUTES-

The procedure for filling up the NRI seats has been explained in para 6 above, Except NRI and Tsunami Victim the remaining state quota seats shall be filled through the PAET-merit. NRI Quota/seats for Tsunami Victim vacant seats shall be converted in State Quota.

7.4 ADMISSION TO PRIVATE INSTITUTES: -

- a) The distribution of seats in private institutions would be:
Government quota seats - 50%
Management/Minority quota seats - 50% (including 15% NRI quota)
- b) The Government quota seats would be filled up, on the basis of PAET merit, by the Admissions Committee appointed by the Government.
- c) **The Management Quota seats would be filled up by the admission Committee headed by the Principal of the Institute concerned and comprising of the representative each of the Government and the university, strictly on the basis of merit in the PAET of the corresponding year. The Principals of the concerned institutes will request the Government and the University well in advance for nominating their representatives. Government quota seats remaining vacant will be transferred to Management Quota. University will adjust a calendar of admission to the management quota seats in such a way that admission dates do not clash. All candidates with compartment for consideration under NRI/ Management/ Special Management seats shall have to clear their compartment before their admission.**
- d) If the candidates who have qualified PAET are not available then the PAET appeared candidates in the corresponding year, on the basis of their score in qualifying examination. If Punjab candidates are not available ***then** candidates from the other states shall also be eligible to be admitted.
- e) Foreign Indian Student (N.R.I.) seats shall be filled up as per the procedure described in para 6.
- f) The private institutions would give wide publicity in at least in three leading newspapers one each in English, Hindi & Punjabi news papers before filling up seats and the candidates would be given at least 14 days time to apply. The applications shall be received by the institutions directly. Admission Form would not be denied to any candidate. The minority quota seats shall be filled on the basis of inter se merit of the candidates in the test conducted by the minority institute, or on the basis of PAET of the corresponding year in case of management quota. The admissions would be finalized by the Committee as per provisions of para * 8 (B). The representative of the University would be at liberty to place on record the copies of applications sent by the candidates directly for admission to the institutes, for consideration by the Committee.
- g) The forms for Management Quota seats will have to be made available on the website of the University also so that the same may be downloaded by the candidates to enable them to apply for the said quota by paying the requisite fee in the form of Bank Draft payable in

the name of the institute which should reach the institute concerned by the last date and time fixed by them. The institute shall not refuse the acceptance of the form under any circumstances and shall be bound to issue a receipt of the same. In case of refusal by the institute, the Application Form may be sent to the Chairman of Admission Committee/University giving details of refusal in the forwarding letter.

7.5 Declaration by Candidates: -Each Candidates and the parents shall submit a sworn declaration that the candidate has not passed the qualifying examination from more than one Board/University/any other examination body.

7.6 Candidates already admitted: -Any candidate who has taken admission in the previous year (s) in any course governed by this notification, shall not be eligible to seek admission through PAET in the corresponding year in the same course again in any institute. However, if any candidate who is admitted during the academic session in the corresponding year in any institute/course at any place may opt for admission through PAET by submitting a sworn declaration at the time of counseling that he/she surrenders the earlier seat. However he/she can avail such opportunity only if the 2nd counseling in that/UT is yet to take place so that the precious seat may not go waste in that state/UT.

8. SELECTION COMMITTEES

The following committees are constituted for holding Counseling and finalizing the admissions:

A. BAMS/BHMS COURSE: For Government Institute and Government Quota Seats In Private Institutes.

- | | | |
|----|--|----------|
| 1. | Principal Government Ayurvedic College Patiala | Chairman |
| 2. | Representative of University
(Not below the rank of Deputy Registrar) | Member |
| 3. | Representative of welfare Department | Member |
| 4. | Principal of the concerned Institutes | Member |

B. BAMS/BHMS COURSES- For Management/Minority quota seats in private Institutes including minority institutions.

- | | | |
|----|--|----------|
| 1. | Principal of the concerned College | Chairman |
| 2. | Representative of the University
(Not below the rank of Deputy Registrar) | Member |
| 3. | Representative of the Government | Member |

Note - *The institute authorities shall intimate the date and time for admission at least two weeks before the date of admission and the admission made by any institutes at its own without giving due notice of Government / University shall not be treated as legal. Dates of interview shall have to be different and the institutes shall ensure with the help of the University that no two dates clash.*

Admission process shall start with the presence of four members (Chairman and three others) Members coming late can participate, at the stage where such member /members join the counseling process and the proceedings already complete will not be revised. All members of the interview committee shall mark their attendance and if a member fails to do so, the Chairman and all other members record his /her presence or video- graph the proceedings.

Note:- **APPELLATE AUTHORITY**

Director, Research Medical Education will be appellate authority in case of any dispute arises for all Institutions.

FEE

Fee and other charges for entrance test and for counseling shall be determined by the university.

(a) Fee for admission to various courses in Government Institutes as notified by the state Government already

(b) Fees (Annual) **Private Institutes**

The fee for private institutions will be as per Govt. Notification no. 5/3/2010/3 HBIII/559 dated 21.01.2011 and is given below

Government Quota Seats	80000/- INR
Management Quota Seats	1,20,000/- INR

***BHMS course

Sr. No.	Category	Fees (per Annum)
1.	Govt. Quota	80000/-
2.	Management Quota	80000/-

The annual & full course fee for students admitted in the subsequent academic session (i.e. 2014-15 onwards) shall be 10% higher than fee charged to the students admitted in the previous session

Fee for NRI Quota seats will be notified separately.

Note 1 These include all kinds of charges and nothing extra will be charged from the students under any circumstances on any account whatsoever

Note 2 The fee will be payable on annual basis and the institutes shall not insist on the candidate to deposit fee of the entire course in advance. At the most candidates can be asked to furnish a surety bond/ bank guarantee that they will be liable to pay the balance fee for the whole courses even if they leave the institute/course midway course

Note 3 The fee shall be refunded/ adjusted if candidate is shifted from one college to another in the subsequent Counselling on operation of the waiting list. If the said fee is not refunded/adjusted within 15 days the said Institution will be liable to pay Bank Interest as well as penal interest to the said students as laid by R.B.I

Fee will be deposited by the successful candidates to the respective institute in the shape of Bank Draft.

(C) Hostel fee and security advance (annual and provisional) for private Institute.

- (i) General independent Room is Rs. 15000/ per Year (maximum) for single bedroom.
- (ii) Special room (attached bathroom and AC) Rs. 24000/- per year Maximum.
- (iii) Security Advance Rs. 25000/- or its equivalent (refundable in the shape of demand draft)
- (iv) Mess Charges Actual and to be managed by the students
(These charges are exclusive of electricity/water but inclusive of everything else)
- (v) The fees for the special management quota the fee of NRI Quota in Indian Currency.

10 GENERAL CONDITIONS

- (a) The students shall pay the fees and other charges, for all types of seats, as per the rates of fees and other charges fixed by the Government of Punjab from time to time.
- (b) Management/ Minority Quota seats will be filled up as per the directions laid down by the supreme Court of India and further guidelines issued by **the Government of Punjab from time to time in consultation with the**

Guru Ravidas Ayurved University, so that no two dates for admission in any College clash with each other.

- (c) The seats available for allotment will be display on the notice board of the University and a list of PAET Result shall be supplied by the University to all the Institutions Ayurvedic and Homoeopathic courses on payment basis at the price to be fixed by the University.
- (d) The admission fee will be collected by the concerned Institution at the time of Counselling. The draft for admission fee shall be in favour of Registrar, Guru Ravidas Ayurvedic University, Hoshiarpur payable at Hoshiarpur.
- (e) The fee shall be refunded if a candidate is shifted from one course/college to the other in subsequent common counseling held by the University.
- (f) *The admission shall be made to only those institutes which are approved from all authorities and affiliated to the University on or before March 31st and July 31st of the corresponding year. Institutes which have applied for affiliation and/or for approval of competent authority (ies) but are unable to get affiliation and such approval from all authorities before this day shall not be considered for Counselling.*
- (g) The admission against the reservation of seats in Sports Quota shall be made out of eligible candidate PAET, on the basis of sports grading of the achievements during +1 and +2 classes as graded by the Director Sports Punjab.
- (h) **The medical Board of determine the disability at the time of the counseling will be constituted by the chairman, The candidate shall be admitted only if he/she has the minimum disability to be considered as a handicapped candidate and is otherwise found fit medically to peruse the course concerned by a duly constituted Medical Board. In case of category (vi) (a) under reservation, the reservation shall be given only in cases where the breadwinner of the candidate has been killed.**
- (i) The selection of candidates seeking admission in the Government and the private institutes in the state of Punjab and affiliated with the Guru Ravidas Ayurvedic University Hoshiarpur will be based on Entrance Test (PAET) except in case of NRI seats.
- (j) In order to ensure completion of the prescribed course (s) and period of study as well as commencement of examination (s) in time no admission (s) adjustment (s)

shall be made after * **30th October** of the corresponding year regardless of any vacancy(ies) that might exist or might arise thereafter for any reason whatsoever .

- (k) It will be obligatory on the part of University to provide registration No. to all candidates once duly admitted.

Any notification instructions issued earlier to previous academic year(s) shall not be applicable to PAET-2011 onward.

- (I) *** **“The candidate passing 10+1 and 10+2 from the recognized schools situated in Chandigarh (UT) will be considered in Punjab State quota provided they fulfill all other eligibility criteria.”**

SATISH CHANDRA

**Principal Secretary to the Government of Punjab
Department of Medical Education and Research**

(*Corrigendum no. No.5/3/2011-3HBIII/4828 Dated : 29.06.2011)

(**Corrigendum no. No.5/3/2011-3HBIII/467352/1Dated : 22.04.2015)

(***Corrigendum no. No. 5.03.2010-3HB-III/4397 Dated Chandigarh , the 30.07.2013)

(****Corrigendum no. No. 5/3/2011-3HB-III/1636 Dated 26.06.2015)

(*****Corrigendum no. Admission/19240 Dated Chandigarh , the 28.10.2015)

**GOVERNMENT OF PUNJAB
DEPARTMENT OF MEDICAL EDUCATION AND RESEARCH
(HEALTH III BRANCH)**

CORRIGENDUM

No.5/3/11-3HBIII/4386

Dated 09.06.2011

SUBJECT:- ADMISSION TO BAMS/BHMS COURSES- IN AYURVEDIC AND HOMEOPATHIC INSTITUTES SITUATED IN THE STATE OF PUNJAB- 2011 ONWARDS.

In partial modification in notification No. 5/3/2011-3HB-III/3315, dated 12.05.2011 for BAMS/BHMS onwards the para-6 regarding NRI quota is hereby amended in compliance of Hon'ble Punjab & Haryana High Court's order dated 25.05.2011 in CWP No.5989 of 2011 titled as Nehpreet Kaur Vs. State of Punjab and other connected petitions being CWP No.6420 of 2011 and 7169 of 2011 (O & M). The relevant modification is as under subject to the final decision of the Hon'ble Punjab & Haryana High Court:-

“NRI quota can be filled up only by genuine NRI. If no NRI is available, seat in the said quota cannot be filled up by charging NRI fee. Filling up of seats has to be consistent with the Rules as may be applicable”.

Anjali Bhawra
Secretary to Govt. of Punjab,
Department of Medical Education & Research.

GOVERNMENT OF PUNJAB
DEPARTMENT OF MEDICAL EDUCATION AND RESEARCH
(HEALTH III BRANCH)

NOTIFICATION

No. 5/3/11-3HBIII/5550

Dated: 28.12.2016

SUBJECT: ADMISSION TO BAMS AND BHMS COURSES- IN AYURVEDIC AND HOMOEOPATHIC INSTITUTES SITUATED IN THE STATE OF PUNJAB- 2011 ONWARDS.

In partial modification in Notification No. 5/3/11-3HBIII/ 3315 dated 12.05.201, the name of undergraduate degree courses BAMS and BHMS in the said notification are substituted by BAMS, BHMS and BUMS with effect from the date of issue of this corrigendum and in para 4 under the heading ELIGIBILITY CRITERIA FOR PAET, the following para 4 B (ii) is added after para 4B:-

“Para 4B(ii)- Eligibility for admission to Kamil E-Tib-Wa-Jarahat course (BUMS- Bachelor of Unani Medicine and Surgery) Shall be notified vide notification No. 11-76-2011-UG Regl. Dated 24th May 2013 issued by the Central council of Indian Medicine.”

Dated, Chandigarh the .28.02.2016

Vikas Pratap, IAS
Secretary to Government of Punjab
Department of Medical Education and Research

**GOVT. OF PUNJAB
DEPARTMENT OF WELFARE
(RESEARCH CELL)**

NOTIFICATION

No. 1/12/17-RC1/96

dated Chandigarh the 12.04.2017

SUBJECT:- Reservation for Backward Classes for admissions (Under-Graduate/Post-Graduate Courses) in Medical, Dental, Ayurvedic, Homoeopathy, Nursing and Physiotherapy Courses in Government as well as Private institutions in the State of Punjab.

As per the provisions contained in Notification No. 1/12/17-RC1/96 dated 12.04.2017 issued by Department of Welfare (Reservation Cell), Govt. of Punjab, the Governor of Punjab is pleased to increase the reservation quota/percentage for Backward Classes from 5% to 10% for admissions in Under-Graduate/Post-Graduate Courses in Medical, Dental, Ayurvedic, Homoeopathy, Nursing and Physiotherapy Courses in Government as well as Private institutions in the State of Punjab.

**Dated, Chandigarh
the:- 20th June, 2017**

**Vikas Pratap, IAS
Secretary to the Government of Punjab Department of
Medical Education & Research**

2. Annexure -I

Syllabus

PHYSICS

9.1 Unit 1: Physical World and Measurement:

Physics in relation to science and technology. Need for measurement, units for measurement, systems of units; units-SI fundamental and derived units. Dimensional analysis, order of magnitude. Accuracy and errors in Measurement.

Unit 2: Description of Motion in one Dimension:

Objects in motion, motion in one, two and three dimensions. Motion in a straight line, origin, unit and direction for time and position measurement. Uniform motion, its graphical representation and formulae, speed and velocity-time, graph, position-time graph, and formulae. General relation between position, velocity, acceleration in two dimensional motion, application of uniformly accelerated motion and motion under gravity in one dimension.

Unit 3: Description of Motion in two or three Dimensions:

Vectors in two dimensions, general vectors, vectors and scalars; vector addition and multiplication by a real number, zero-vector and its properties. Resolution of a vector in a plane, rectangular components. Motion in two dimensions, cases of uniform velocity and uniform acceleration, general relation among position velocity- acceleration for motion in a plane, projectile motion. Uniform circular motion. Examples of circular motion, car on a level circular road, car on a banked road, pendulum swinging in a vertical plane

Unit 4: Laws of Motion and friction:

Force and inertia, first law of motion, Momentum, Second Law of motion: impulse, some kinds of force in nature. Third law of motion, conservation of momentum, rocket propulsion. Equilibrium of current of forces, Friction, static and kinetic friction. Laws of friction, rolling, frictional lubrication, inertial, and non-inertial frames (elementary ideas).

Unit 5 Work, Energy & Power:

Scalar product of vectors, work done by a constant force and by a variable force, unit of work, kinetic energy, Power, potential energy, gravitational potential energy and its conversion to kinetic energy, potential energy of a spring.

Different forms of energy, mass energy equivalence, conservation of energy. Elastic in one and two dimensions.

Unit 6: Rotational Motion:

Centre of mass of a two particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body, general motion of a rigid body, nature of rotational motion of a single particle in two dimensions only, torque, angular momentum and its geometrical and physical meaning, conservation of angular momentum, Comparison of linear and rotational parameters, moment of inertia-its physical significance, parallel axis and perpendicular axis theorem, examples of two dimensional rigid body motion (mass point on string wound on cylinder, cylinder rolling without slipping).

Unit 7: Gravitation:

Universal law of gravitation, the gravitational constant. Acceleration due to gravity, mass of the earth, inertial and gravitational mass, variation in the acceleration due to gravity of the earth, geostationary satellites. Gravitational potential energy near the surface of the earth, gravitational potential, escape velocity, orbital velocity.

Unit 8: Properties of matter:

Inter-atomic and inter-molecular forces, states of matter

A **Solids** : Crystalline and glassy solids. Hook's law, Young's modulus, stress Vs strain, bulk modulus, pure shear, modulus of rigidity and poisson ratio.

B **Fluids** : Fluid pressure, Pascal's law, hydraulic lift effect of gravity, atmospheric pressure, Buoyancy, Archimede's principle, viscosity, sphere falling through a liquid, streamline flow, Reynolds number, Bernoulli's theorem, surface energy and surface tension, pressure difference across drops and bubbles, capillary rise, detergents and surface tension.

C **Gases** : Kinetic theory of gases, pressure, Kinetic energy and temperature, absolute temperature, gas laws and Avogadro number.

Unit 9: Heat and Thermodynamics:

Thermal expansion- linear and cubical. specific heat, specific heat at constant volume and constant pressure of ideal gas. Thermodynamic state, equation of state and isothermals, pressure temperature phase diagram. Thermodynamic processes (reversible, irreversible, isothermal, adiabatic). First law of thermodynamics, heat engines, otto-cycle and its efficiency. Second law of thermodynamics, conduction, convection and radiation. Thermal conductivity, black body radiation, Wiens's law, Stefan's law, Newton's law of cooling.

Unit 10: Oscillations:

Periodic motion, simple harmonic motion (S.H.M.) Kinetic energy and potential energy in S.H.M., Oscillations due to a spring, simple pendulum. Forced oscillations, resonance and damped oscillations (qualitative idea).

Unit 11: Waves:-

Wave motion, speed of wave-motion, equation of simple standing waves, harmonic waves, principle of superposition, reflection of waves, standing waves, harmonics, Beats, Doppler, Effect, Acoustics of buildings.

Unit 12: Electrostatics:-

Frictional electricity, charges (+ -), Conservation of charges, Coulomb's law, concept of dielectrics and dielectric constant, electric field due to a point charge, di-pole, di-pole field and di-pole's behavior in an uniform two dimensional electric field, flux, Electric potential and potential energy, Capacitance (Parallel plate) in series and parallel, energy of a capacitor, conductors and insulators, presence of free charges and bound charges inside a conductor, van de Graff generator.

Unit 13: Current Electricity:-

Flow of current, sources of e.m. f. , cells: Primary and secondary, electric current, resistance of different materials, temperature dependence, resistivity, color code for carbon resistances, Ohm's law, Kirchoff's law, resistances in series and parallel, Wheatstone's bridge, measurement of voltages and currents, potentiometer.

Unit 14: Thermal and Chemical effects of Currents

Heating effects of currents, Electric power, chemical effects and laws of electrolysis simple concepts of thermoelectricity.

Unit 15: Magnetic effects of currents:

Oersted's observation, Biot- Savart law (magnetic field due to a current element); magnetic field due to a straight wire, circular loop, and a solenoid, Ampere's circuital law and its applications, Force on a moving charge in a magnetic field (Lorentz force), cyclotron (simple ideas), forces and torques on currents in a magnetic field, forces between two currents, definition of ampere, moving coil galvanometer, ammeter and voltmeter, D.C. motor.

Unit 16: Magnetism:-

Bar magnet (Comparison with solenoid), lines of force, earth's magnetic field, tangent galvanometer, para, dia and ferro magnetism,

Unit 17: Electromagnetic Induction and Alternating currents:

Induced e.m.f., Faraday's law, Lenz's law, electromagnetic induction, self and mutual inductance. Alternating Currents, impedance and reactance, power in A.C. circuits with L. C. & R., series circuit-resonant circuits (Pharos's diagram) and electrical machines and devices (transformer, generator, choke and starter),

Unit 18: Electromagnetic Waves(qualitative treatment only).

Electromagnetic waves, some history of e.m. waves (Maxwell, Hertz, Bose, Marconi) Electromagnetic spectrum (radio, micro-waves, infrared, optical, ultra-violet. X-rays and y-rays) including elementary facts about their uses and propagation, properties of the atmosphere w.r.t. various parts of electromagnetic spectrum.

Unit 19: Wave Optics:

Wave front and Huygen's principle, interference, Young's double slit expt. & expression, Diffraction, Diffraction from a single slit (qualitative) and polarization.

Unit 20: Ray optics and Optical instruments:

Ray optics as a limiting case of wave optics, Reflection from spherical mirrors, Refraction through prism and spherical surfaces, total internal reflection. Optical fibre, lens formulae, Dispersion, prism spectrometer and spectra-absorption and emission, scattering rainbow, magnification and resolving power of astronomical telescope and microscope.

Unit 21: Electrons and Photons:

Electric discharge through gases at low pressure, discovery of electrons, e/m for an electron, Einstein's photo electric equation, particle nature of light, photo cells.

Unit 22: Atoms & Nuclei:

Rutherford model of the atom, Bohr Model and hydrogen spectrum, composition of a nucleus, atomic masses and isotopes. Properties of a nucleus, mass energy relation, radioactivity, fission and fusion. Nuclear reactor, nuclear holocaust.

Unit 23: Solids and Semi- conductor Devices:

Energy bands in solids, conductors, insulators and semi- conductor, p n junction Diodes, junction Transistor, diode as rectifier, transistor, as an amplifier and oscillator, logic gate and combination of gates.

Unit 24: Universe:

The constituents, of the universe : planets, stars: brightness, stellar distances, luminosity and surface temperature, stellar spectra (classification), energy production in stars (concept).

9.2 CHEMISTRY

Unit 1: Atoms. Molecules and Chemical Arithmetic:

Measurement in Chemistry (significant figures, SI units, Dimensional analysis). Chemical classification of matter (mixtures, compounds and elements, and purification).

Law of chemical combination and Dalton's Atomic Theory, Atomic Mass(mole concept, determination of chemical formulae).

Chemical equation (balancing chemical equation and calculations using chemical equations).

Unit 2: Atomic Structure:-

Constituents of the atom (discovery of electron, nuclear model of the atom). Electronic structure of atoms: Nature of

light and electromagnetic waves, atom spectra, Bohr's model of hydrogen atom, quantum mechanical model of the atom.

Dual Nature of Matter and Radiation.

The De-Broglie relation

The Uncertainty principle

Orbitals and Quantum Numbers, Shapes of Orbitals.

Electronic configuration of atoms, Aufbau principle.

Unit 3: Chemical Families -Periodic properties:-

Mendeleev's Periodic Table Modern Periodic Law periodic trends in properties(ionization energy, electron affinity, atomic radii, valence, periodicity in properties of compounds).

Unit 4: Bonding and Molecular Structure:-

Chemical Bonds and Lewis Structure. Shapes of molecules (VSEPR theory).

Quantum theory of the covalent bond (hydrogen and some other simple molecules, carbon compounds, hybridization, boron and beryllium compounds).

Coordinate covalent bond (Ionic bond as an extreme case of polar covalent bond, ionic character of molecules and polar molecules). Bonding in solid state(ionic, molecular and covalent solids, metals).

The Hydrogen Bond.

Resonance

Molecular orbital Method.

Unit 5: Chemistry of Representative Elements:-

The chemistry of s and p block elements from the stand point of periodic table:

Group/Elements:

Hydrogen (position in periodic table occurrence, isotopes, preparation, properties, reactions and uses), alkali metals (sodium and potassium, occurrence, properties and uses), important compound NaCl, Na_2CO_3 , NaHCO_3 , NaOH, KCl, KOH.

Group 2 Elements:

Alkaline earth metals, Magnesium, and Calcium (occurrence, extraction, properties and uses), important compounds; MgCl_2 , MgSO_4 , Ca(OH)_2 , CaCO_3 , CaSO_4 , plaster of paris.

Group 13 Elements:

Boron(occurrence, isolation, physical and chemical properties, borax and boric acid, uses of boron and its compounds),

Aluminium (occurrence, extraction, properties and uses, compounds of Aluminium) and boron family.

Group 14 Elements:

Carbon, Silicon (occurrence, preparation and properties, silicates, silica and glass), tin and lead(occurrence, extraction, properties, uses and their compounds; oxides, sulphides, halides) and silicon family.

Group 15 Elements:

Nitrogen (preparation, properties, uses, compounds of nitrogen: ammonia, oxides of nitrogen, nitric acid, preparation, properties and uses), phosphorus (occurrence, preparation and properties, oxides and oxy acids of phosphorus, chemical fertilizers), and nitrogen family.

Group 16 Elements:

Oxygen (occurrence, preparation, properties and reactions, uses, simple oxides, ozone), water and hydrogen peroxide [structure of water molecule and its aggregates, physical and chemical properties of water, hard and soft water, water softening, hydrogen peroxide-preparation, properties, structure and uses], sulphur (occurrence, and extraction, properties and reactions, oxides, sulphuric acid- preparation, properties and uses, sodium thiosulphate) and oxygen family.

Group 17 Elements:

Halogens (occurrence, preparation, properties, hydrogen halides, uses of halogens) and halogen family.

Group 18 Elements:

Noble gases (discovery, occurrence, isolation, physical properties, chemistry of noble gases and their uses).

Preparation and properties of a few important compounds of representative elements.

Cement, biological role of sodium, potassium, magnesium and calcium.

Zinc and mercury(occurrence and extraction, properties and compounds, oxides, halides, sulphides and sulphates and uses).

Unit 6: Transition Metals including Lanthanides:-

Electronic configuration, General Characteristics/properties.

Oxidation states. Inner transition elements:

general features,

First Row Transition Metals and general properties of their compounds, oxides, halides and sulphides.

Iron(occurrence and extraction, compounds of iron: oxides, halides, sulphides and sulphates and alloy steel).

General properties of second and third row transition elements (group wise discussion).

Copper, Silver and Gold (occurrence and extraction, properties and uses, Compounds—oxides, sulphides, halides and photography).

Preparation of few compounds: potassium dichromate, potassium permanganate and others. General trends in chemical properties of lanthanides and actinides.

Unit 7: Coordination Chemistry and Organometallics:-

Coordination compounds, nomenclature, isomerism in coordination compounds, bonding in coordination compounds, stability of coordination compounds, application of coordination compounds. compounds containing metal- carbon bond, applications of organometallics.

Unit 8: Carbon and its Compounds, structures & Shapes of Hydrocarbons:-

Elemental carbon, inorganic carbon compounds (oxides, halides carbides).

Organic compounds

Nomenclature of organic compounds (hydrocarbons, functional groups).

Some common organic compounds (alkenes, alkynes, arenes, alcohols, aldehydes and ketones, halides, acids, nitro- compounds and amines).

Alkanes (structure, isomerism, conformation)

Stereoisomerism and chirality(origin of chirality, optical relation, racemic mixture).

Alkenes (isomerism including cis-trans)

Alkynes.

Arenes(structure of benzene, structure, isomerism in arenes).

Unit 9: Preparation and properties of hydrocarbons & Organic halides:-

Sources of hydrocarbons (origin and composition of coal and petroleum;

Hydrocarbons from coal and petroleum, cracking and refining, quality of

gasoline-octane number, gasoline additives),

Laboratory preparation of alkenes (preparation from unsaturated hydrocarbons, alkyl halides and carboxylic acids).

Laboratory preparation of alkenes (preparation from alcohol; alkyl halides).

Laboratory preparation of alkynes (boiling and melting points, solubility and density).

Reactions of hydrocarbons (oxidation, addition, substitution and miscellaneous reactions).

Nomenclature of compounds containing halogen atoms, haloalkanes, haloarenes, correlation of physical properties with their structures, chemical properties and uses. A few important polyhalogen compounds-dichloroethanes, chloroform, carbon tetrachloride, DDT, benzene hexachloride.

Unit 10: Hydroxy Compounds and Ethers:

Nomenclature of compounds containing hydroxyl groups: alcohols and phenols, Correlation of physical properties with their structures, chemical properties and uses.

Polyhydric Compounds, ethane 1, 2 dial.

Propane-1, 2, 3-triol.

Ethers: nomenclature, methods of preparation, correlation of physical properties with their structures, chemical properties and uses.

Unit 11: Carbonyl Compounds and Carboxylic acids:

Aldehydes, Ketones, carboxylic acids and their derivatives.

Nomenclature of aldehydes, Ketones, carboxylic acids and their derivatives (acylhalides, acid anhydrides, amides and esters), methods of preparation, correlation of physical properties with their structure, chemical properties and uses (Specific compounds are not to be stressed).

Unit 12: Organic Nitrogen compounds:-

A brief description of the chemistry of the carbon compounds containing nitrogen, cyanides and isocyanides: nitro- compounds and amines and their methods of preparation, correlation of physical properties with structure, chemical reactions and uses.

Unit 13: Purification and Characterisation of Organic Compounds:-

Purification (crystallization, sublimation, distillation, differential extraction chromatography). Qualitative analysis (analysis of nitrogen, sulphur, phosphorus and halogens). Quantitative analysis (estimation of carbon, hydrogen, nitrogen, halogens, sulphur, phosphorus and oxygen). Determination of molecular mass (Vector Mayor's method, volumetric method). Calculations of empirical and molecular formulae. Numerical problems in organic quantitative analysis. Modern method of structure elucidation.

Unit 14: States of Matter:

Gaseous state (measurable properties of gases, Boyle's law, Charles's law and absolute scale of temperature. Avogadro's hypothesis. ideal gas equation, Dalton's law of partial pressure).

Kinetic molecular theory of gases (the microscopic model of a gas, deviation from ideal behaviour). The solid state (classification of solids, x-ray studies of crystal lattices and unit cell, packing of constituent particles in crystal). Liquid state (properties of liquids, vapour pressure, surface tension, viscosity)

Unit 15: Solutions:-

Types of solutions.

Vapour pressure of solutions and Raoult's law,

Colligative properties.

Electrovalent solutions.

Unit 16: Chemical Thermodynamics:-

First Law of Thermodynamics

(Internal energy, enthalpy, application of the first law of thermodynamics).

(Enthalpy change in a reaction. Hess's law of constant heat summation, numericals based on these concepts).

Heat of reactions (heat of neutralization, heat of combustion, heat of fusion and vapourisation).

Sources of energy (conservation of energy sources and identification of alternative sources, pollution associated with consumption of fuels, the sun as the primary source).

Second Law of Thermodynamics

(Entropy, free energy, spontaneity of chemical reaction, free energy change,

chemical equilibrium, free energy as available for useful work).

Third Law of Thermodynamics.

Unit 17: Chemical

Equilibrium:-

Equilibrium involving physical changes (solid-liquid, liquid-gas equilibria, equilibrium involving dissolution of solids in liquids or gases in liquids, general characteristics of equilibrium involving physical process).

Equilibria involving chemical systems (the law of chemical equilibrium, the magnitude of the equilibrium constant, numerical problems).

Effect of changing the conditions of system at equilibrium (change of concentration, change of temperature, effect of catalyst-le Chatelier's principle).

Equilibria involving ions (ionization of electrolytes, weak and strong electrolytes, acid-base equilibrium, various concepts of acids and bases, ionization of water, water, pH, solubility product, numericals based on these concepts).

Unit 18: Redox Reactions:-

Oxidation and reduction as an electron transfer process.

Redox reactions in aqueous solutions-electrochemical cells.

EMF of galvanic cell.

Dependence of EMF on concentration and temperature (Nernst equation and numerical problems based on it). Electrolysis.

Oxidation number (rules for assigning oxidation number, redox reactions in terms of oxidation number and nomenclature).

Balancing of oxidation reduction equations.

Unit 19: Electrochemistry:-

Electrolytic conduction.

Voltoic Cell.

Electrode potential and Electromotive force.

Gib's free energy and cell potential.

Electrode potential and Electrolysis.

Some commercial cells (batteries and fuel cell).

Corrosion.

Unit 20: Chemical Kinetics:-

Rate of Reaction.

Rate of expression.

Factors affecting rate of reaction.

Order of a reaction (suitable example).

Units of rates and specific rate constants.

Order of reaction and concentration.

(study will be confined to first order only).

Temperature dependence of rate constant.

Fast reactions.

Photochemical reactions.

Unit 21: Solid state, Surfaces and Catalysis:-

Solid state

Structure of simple ionic compounds.

Close-packed structure.

ionic radii.

Silicates (elementary idea only).

Imperfection in solids.

Properties of solids.

Surfaces:

Adsorbption.

Colloids.

Emulsions, Micelles.

Modern Developments,

Interfaces.

STEM & Technology

Catalysis.

Homogeneous.

Heterogeneous.

Structure of catalysts.

Unit 22: Nuclear and Radio Chemistry:-

Nature of radiation from radioactive substances. Nuclear structure and nuclear properties, Nuclear reactions. Radioactive disintegration series. Artificial transmutation of elements-Isotopes and their uses. Radio carbon-dating. Synthetic elements.

Unit 23: Synthetic & Natural Polymers:-

Classification of polymers, some important' natural and synthetic polymers (with stress on their general methods of preparation). Some common examples and their important uses.

Unit 24: Bio-Molecules:-

Carbohydrates: Monosaccharides, Disaccharides, polysaccharides,

Amino acids and peptides: Structure & classification, Properties of amino acids.

Peptides: Structure and properties, biologically important peptides.

Proteins and enzymes: Structure of proteins, some important proteins, enzymes. Nucleic acids: Chemical properties of nucleic acids.

Biological functions of nucleic acids: Protein synthesis, bio-technology-basics.

Lipids: Structure, membrane structure and functions.

Evolution: Chemical evolution, origin of life. (Note: Structure of complicated molecules are not to be evaluated).

Unit 25: Chemistry of Biological Processes:

Elementary idea of chemistry of digestion, respiration, haemoglobin and blood, photosynthesis, Immune system -

antibodies, hormones, chemistry of some important diseases.

Unit 26: Chemistry in Action:-

A descriptive account of chemistry involved in the use of important chemicals in everyday life such as; dyes, chemicals in medicines, polymers and fibres, plant growth hormones, pheromones; Fertility- Contraceptive. Materials-ceramics. protistadatoms, dinoflagellates, slime moulds, protozoans & symbiotic forms.

9.3 BIOLOGY - BOTANY

Unit 1: Structural organization of cell:-

Light and electron microscope aspects of cell; cell organelles and their functions- nucleus, mitochondria, chloroplast, endoplasmic reticulum, golgi complex, lysosomes, microtubules, ribosomes, cell wall, cilia, flagella, centriole, vacuoles & cell inclusions.

Unit 2: Cell reproduction:-

Cell cycle, processes of mitosis and meiosis.

Unit 3: Introduction to classification:-

The enormous variety of living things, the need for classification to cope with this variety;

taxonomy and phylogeny; shortcomings of a two-kingdom classification- plants and animals, status of viruses and bacteriophage; the five-kingdom classification-Monera, Protista, Fungi, Plantae and Animalia.

Unit 4: The basic features of classification:-

Concept of species, taxon and categories-hierarchical levels of classification, binomial nomenclature, principles of classification and nomenclature.

Unit 5: Kingdom Monera:-

Archaea-bacteria-life in extreme environments, General account of bacteria, actinomycetes & cyanobacteria. Examples to illustrate autotrophic and heterotrophic life styles. Economic importance of Monera-mineralizer, nitrogen fixer, in cycling materials, symbiotic forms, disease producers.

Unit 6: Kingdom Protista:-

Eukaryotic unicellular organisms. Various life styles shown in the major phyla; sexual and asexual reproduction in protista (brief outline only); flagella and cilia as locomotory organs of protista, examples of common

Unit 7: Kingdom Fungi:-

Zygomycetes; Ascomycetes and Basidiomycetes; Economic importance of fungi-decomposers & parasitic forms. Lichens and mycorrhizae.

Unit 8: Kingdom plantae:-

Complex autotrophs-red. brown and green algae (Chlamydomonas, Spirogyra); conquest of land; bryophytes (Funaria), ferns (Dryopteris), gymnosperms (Pinus) and angiosperms. Vascularization, development of flower, fruit and seed (in brief only).

Unit 9: Morphology and anatomy of flowering plants:-

Morphology and functions of root, stem, leaf and their modifications. Tissue systems in flowering plants-meristematic and permanent; Primary structure of dicot and monocot root and stem; secondary growth.

Unit 10: Reproduction and development in angiosperms:-

Asexual reproduction and sexual reproduction. Structure and function of flower, inflorescence; development of

male and female gametophytes; pollination; fertilization; development of endosperm, embryo, seed and fruit, seed dispersal,

Unit 11: Water relations:-

Water relations of plants cells, water potential, absorption and transport of water in plant; root pressure; ascent of sap, transpiration and stomatal mechanism.

Unit 12: Plant nutrition:-

- Mineral nutrition: essential elements, major functions of different elements, passive and active uptake of minerals, deficiency symptoms.
- Photosynthesis; photochemical and biosynthetic phases, diversity in photosynthetic pathways, photosynthetic electron transport, photophosphorylation & photorespiration.
- Special modes, of nutrition in plants.

Unit 13: A general account of cellular respiration:-

Fermentation, biological oxidation, glycolysis and Krebs cycle (graphic cycle only), mitochondrial electron transport chain, high energy bonds and oxidative phosphorylation.

Unit 14: Plant growth and Plant movements:-

Hormones and growth regulation, role of plant hormones in relation to seed dormancy, germination, apical dominance, senescence, and abscission. Agricultural uses of synthetic growth regulators. Brief account of phytochrome as photomorphogenetic pigment. Plant movements- a brief account.

Unit 15: Heredity and Variation:-

- Mendel's experiments and idea of factors.
- Mendel's laws of inheritance. Chromosomes and Chromosomal basis of inheritance (in brief), some basic terms used in inheritance studies.
- Other patterns of inheritance-incomplete dominance, multiple genes, linkage and crossing over, sex linked inheritance. Genetic variation- recombination, mutation, phenotypic expression in haploid organisms.

Unit 16: DNA as genetic material, its replication, transcription and translation:-

Evidence from bacterial transformation and viral infection. Structure and

replication of DNA. Protein synthesis- Genetic code, Central Dogma, transcription, translation, Effects of mutations on protein synthesis.

Unit 17: Gene expression:-

In prokaryotes and eukaryotes, Genetic engineering.

Unit 18: Species and population:-

Origin and concept of species, population, interaction between environment and population.

Unit 19: Biotic community:-

Interaction between different species, biotic stability, change in the community; succession.

Unit 20: Ecosystem:-

Interaction between biotic and abiotic components, major ecosystems, man made ecosystem-Agroecosystem.

Unit 21: Biosphere:-

Flow of energy, biogeochemical cycles- calcium and sulphur, ecological imbalance and its consequences.

Unit 22: Conservation of natural resources:-

Renewable and non-renewable resources (in brief). Water and land management, wasteland development.

Unit 23: Forest conservation:-

Conservation of forest; Indian Forests, importance of forests, hazards of deforestation, afforestation,

Unit 24: Environmental pollution:-

Air and water pollution, sources, major pollutants of big cities of our country, their effects and methods of control; pollution due to radioactive substances, disposal of nuclear waste, effect and control of radiation pollution: Noise pollution-sources and effects.

Unit 25: Application of Botany:-

Biofertilisers-green manures, nitrogen fixation; symbiotic and nonsymbiotic.

9.4 BIOLOGY - ZOOLOGY

Unit 1: Nature and scope of Biology:-

Branches of Biology; its relation with other sciences; techniques and instruments, why to study Biology; serendipity and Scientific method.

Unit 2: Being Alive :-

What does it mean? Present approach to understand life process; molecular approach; life as an expression of energy: steady state and homeostasis; self duplication and survival; adaptation; death as a positive part of life; and attempt to define life in the light of the above.

Unit 3: Origin of life, evolution and its maintenance:-

Origin of life, Oparin Haldane's theory miller-urey experiments. Evolution, the-living crust and interdependence, our place and our role, the positive and negative aspect of progress in biological sciences. The future of living world; Identification of human responsibility in shaping our future.

Unit 4: Cell as a unit of life:-

Cell as a basic unit; cell as a self-contained unit; Cell theory; Unicellular & multicellular organisms; flow of energy and information; compartmentalization for cellular life; structure of eukaryotic cells and its difference from prokaryotic cells.

Unit 5: Small molecules of the cell:-

Cellular pool: Chemistry, cellular location and functional significance of mono and oligosaccharides; lipids; amino acids; nucleotides; water & minerals.

Unit 6: Macromolecules in cells:-

Chemistry, cellular location and functional significance of polysaccharides, proteins and nucleic acids,

Unit 7: Enzymes:-

Chemical nature, classification, properties, mechanism of action-enzyme substrate complex, inhibition, allosteric modulation(in brief).

Unit 8 Bio- membranes:-

Unit membrane concept, fluid mosaic, model, membrane transport, exocytosis and endocytosis- membranes and cellular movement.

Unit 9: Kingdom Animalia:-

Animal body pattern and symmetry; Body cavity in invertebrate and vertebrate phyla. Salient feature with reference to habitat and examples of phylaporphera, Coelenterata, helminthes, annelids, Mollusca, Arthropoda, echinoderms; Chordata-(classes-fishes, amphibians, reptiles, birds and mammals) highlighting major characters (Morphological notes on examples of different phyla of animals are not required).

Unit 10: Wild life:-

Causes for extinction of some wild life, steps taken to conserve the remaining species, concept of endangered species- Indian examples.

Unit 11: Animal tissues:-

Epithelial , connective, muscular, nervous.

Unit 12: Animal nutrition:-

Digestive system of prawn, digestive system of man; digestive processes in man: absorption and egestion.

Unit 13: Gas exchange and transport-

Pulmonary gas exchange in humans and organs involved; transport of gases in blood; Gas exchange in aqueous medium (as in bony fish).

Unit 14: Circulation of body fluids:-

Closed (human) and open(prawn) blood vascular systems.structure and pumping action of heart, pulmonary and systemic circulation. Heart rate and pulse, blood pressure. Autorhythmicity of heart beat; lymph.

Unit 15: Excretion and Osmoregulation:-

Amontelism, Urecotelism, Urecotelism; Excretory organs in man, composition and formation of urine. Role of kidney in osmoregulation, brief account of counter current system(details not required), role of ADH, role of skin and lungs in excretion.

Unit 16: Movements and Locomotion-

Study of human skeleton, joints, red and white muscles in movement, mechanism of muscle contraction.

Unit 17: Nervous coordination and Receptors:-

Components of human nervous system—central nervous system, peripheral nervous system, autonomic nervous system, Structure and function of brain and spinal cord. Transmission of nerve impulse, reflex action. Basic structure and functions of sense organs.

Unit 18: Hormonal Coordination:-

Endocrine organs in humans, hormones and their function, diseases caused by hormonal imbalance, roles of hormones as messengers and regulators hypothalamo-hypophyseal-axis, feedback, control.

Unit 19: Animal reproduction and development-

Asexual and sexual reproduction; reproductive organs of human male and female; gametogenesis and differentiation of gametes; reproductive cycle in the human female; chemical and physical features of fertilization. Development of zygote upto three germinal layers, fate of germ layers.

Unit 20: Growth, Repair; regeneration; ageing and death:-

Growth—cell growth rates and hormonal control of growth in humans. Repair and regeneration: principal types of regeneration and mechanism of regeneration. Ageing: morphological, physiological, cellular and extracellular changes, theories of ageing, biological meaning of death.

Unit 21: Organic Evolution:-

Inter-relationship among living organisms. Evidence for evolution—

fossil evidence and geological time scale; morphological evidence—homologous, analogous and vestigial organs. Embryological evidence—similarities among embryos of different vertebrate classes; evidence from biogeography

Unit 22: Darwin's major contributions-Variation & Natural selection:-

- Common ancestry.
- Natural selection as mechanism of evolution, Elementary forces of evolution.

Unit 23: Variation:-

Mutation and recombination as sources of variability; role of selection; genetic basis of adaptation—Lederberg's replica plating experiments; speciation. Isolation—geographical and reproductive.

Unit 24: Common Human Diseases:-

- Communicable diseases—viral, bacterial, protozoan diseases including STD and diseases spread through blood transfusion such as AIDS and hepatitis.
- Immune responses—vaccines and antiserum, allergies and inflammations.
- Non-communicable diseases— inherited diseases and sex-linked diseases; genetic incompatibility and genetic counseling. Cancer—major types, causes, diagnosis and treatment. Tissues and organ transplantation.

Unit 25: Human population growth:-

Problems and control; inequality of sexes: test tube babies, & amniocentesis.

Annexure –II
Academic and Exemption Certificates
Form No.1

CERTIFICATE FROM THE PRINCIPAL/HEAD OF THE INSTITUTION LAST ATTENDED
(Compulsory for all Candidates)

I certify that Mr./Miss _____ S/o D/o
Sh. _____ has studied in, 10+1 and 10+2 from school/s which
are recognized institution(s) as under:

Class	Name of School with city and State	Passing year
10+1		
10+2		

Class	School/College Roll No. in case of 11th Class exams. Board Roll No. in case of 12th class	Year	Marks obtained/ Total Marks							
			Physics		Chemistry		Biology		English	
			Obt.	Out off	Obt.	Out off	Obt.	Out off	Obt.	Out off
10+1										
10+2										

- i) Attested photo copies are attached with this certificate.
ii) Permanent residential address recorded is as under:-

Signature of the
Headmaster/Principal
of Institution Last attended
(with official seal)

Date _____
Place _____

Certificates/Forms regarding exemptions:-

Form No.2

Under exemption – 4D(i)

CERTIFICATE FROM THE EMPLOYER IN THE CASE OF EMPLOYEES OF
GOVERNMENT OF PUNJAB MEMBERS OF ALL INDIA SERVICES BORNE ON PUNJAB CADRE,
EMPLOYEES OF STATUTORY BODIES/CORPORATIONS/BOARDS ESTABLISHED BY OR
UNDER AN ACT OF STATE OF PUNJAB.

I certify that Mr./Ms _____ S/o D/o Sh. _____ is serving as regular
employee of government of Punjab/Member of all India Services borne on Punjab cadre/regular employee
of statutory Body/Corporation/Board established by or under an act of the State of Punjab.

He/she is holding the post of _____ in the Department _____ and
is presently posted at _____ (place of service), w.e.f. _____ (date of
posting).

Mr/Ms _____ is his/her son/daughter/dependent. Parents of Ms/Mr _____ are
not alive and he/she is fully dependent upon Sh./Smt _____ as stated above.

Dated _____
Place _____

Signature of the Employer
(with official seal)

(Exact date month and year since when one is posted at the present place is to be given).

Form No.3

Under exemption - 4D(ii)

CERTIFICATE FROM THE EMPLOYER IN CASE OF REGULAR EMPLOYEES OF CENTRAL GOVERNMENT WITH PUNJAB DOMICILE WHO HAVE SERVED FOR ATLEAST TWO YEARS IN THE STATE OF PUNJAB OUT OF THE THREE YEARS PRECEDING THE YEAR OF ENTRANCE EXAMINATION THAT IS 2 YEARS OUT OF 2014, 2015 AND 2016.

I certify that Mr/Ms _____ S/o D/o Mr/Ms _____
is serving as a regular employee of central Government in the Department of _____ Mr/Ms.
_____ has served in the State of Punjab at _____ (place of service)
_____ District for the period _____ to _____ during 2013, 2014 and 2015.

Mr/Ms _____ is his/her son/daughter/dependent.

Parents of Mr/Ms _____ are not alive and he/she is fully dependent upon
Mr/Ms _____ as stated above.

Dated _____
Place _____

Signature of the Employer
(with official seal)

Form No.4

Under exemption - 4D(iii)

CERTIFICATE FROM THE EX-EMPLOYER OF PUNJAB GOVERNMENT PENSIONER SETTLED OUTSIDE THE STATE OF PUNJAB ON OR BEFORE 1ST JANUARY, 2016.

I certify that Mr./Ms _____ S/o, D/o Mr/Ms. _____
is a Punjab Government Pensioner retired from the Department of _____ on _____ while
holding the post of _____ His/her P.P.O. No. is _____ and he/she
is drawing his/her pension from _____ he/she is settled outside Punjab at the address
given below since _____. He/she retired on _____ from the office of _____ at
_____.

Complete Address _____

Mr/Ms _____ is his/her son/daughter/dependant.

Parents of Mr./Ms _____ are not alive and he/she is fully dependent upon
Mr/Ms _____ as stated above.

Dated _____
Place _____

Signature of the Employer
(with official seal)

Form No.5

Under exemption - 4D(iv)

CERTIFICATE FROM THE EMPLOYER IN THE CASE OF EMPLOYEES OF INDIAN DEFENCE SERVICES/ PARA MILITARY FORCES.

I certify that Mr/Ms_____ S/o, D/o Shri_____ is regular employee of Indian Defence Service/Para Military forces belongs to Punjab State as per his/her service record at the time of entry into service and the home address given there is _____(District _____), Punjab.

Mr/Ms_____ is his/her son/daughter/dependent.

Parents of Mr/Ms _____ are not alive and he/she is fully dependent upon Mr/Ms _____ as stated above.

Dated _____
Place _____

Signature of
Officer Commanding/
Competent Authority
(With official seal).

Form No.6

Under exemption - 4D(v)

CERTIFICATE FOR THE EX-EMPLOYEES OF INDIAN DEFENCE SERVICES/PARA MILITARY FORCES RETIRED ON OR AFTER 1ST JANUARY, 2015.

Certified that Number	_____
Rank	_____
Name	_____
S/o	_____
Father of	_____
Resident of village	_____
Post office	_____
Tehsil	_____
Distt	_____

Belonging to State of Punjab as per his/her service record at the time of entry into service had served in the Army/Navy/Air Force/(Name of the Para-Military Forces).

from _____ and subsequently discharged/retired from the service on _____ as per his/her service record at the time of entry into service the home address given is village/Town _____ Punjab.

Dated _____
Place _____

Signature of
Officer Commanding/
Competent Authority
(With official seal).

Annexure- III

Certificates of Reserved categories:-

Categories Code-12 & 13

**CERTIFICATE OF SCHEDULED CASTE/TRIBE
As per letter No.1/41/96-RCI/110001-17, dated 5.12.1996 of
Govt. of Punjab, Department of Welfare (Reservation Cell)**

It is certified that Shri/Shrimati/ Kumari_____ son/daughter of
Sh._____ of village/town _____ District/Division
_____ state of Punjab belongs to _____ caste which has been
recognised as Scheduled caste as per “The Constitution (Scheduled Castes) Order, 1950”

2. Shri/Shrimati/Kumari_____ and his/ her family lives in village/
town_____ District/ Division _____ of Punjab State

Date_____

Signature

Place_____

Designation

Seal of office

Competent authority to issue Caste Certificate

- I. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/ Deputy Collector/First Class Stipendiary Magistrate/City Magistrate/Sub Divisional Magistrate/Talika Magistrate/Executive Magistrate/ Extra Assistant Commissioner (Not below the rank of first class Stipendiary Magistrate).
- II. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.
- III. Revenue Officer not below the rank of Tehsildar.
- IV. Sub-Divisional Officer of the area where the candidate and/or his family normally resides.
- V. Administrator/Secretary to Administrator/Development Officer Lakshadweep Islands. (circulated vide no.2/223/79-SWI/4337, dated 8.6.90)

OR

The certificate for this purpose issued by any other competent authority declared by Government of Punjab in any other prescribed Performa.

Category Code-14

**FORM OF CERTIFICATE TO BE PRODUCED BY A CANDIDATE BELONGING
TO A BACKWARD CLASS IN SUPPORT OF HIS CLAIM.**

FORM OF CERTIFICATE OF BACKWARD CLASS.

**As per letter No.1/41/96-RCI/110001-17, dated 5.12.1996 and No.1/41/93-RC1/1597,
dated 17.8.2005 and No.1/41/93-RC1/209, dated 24.2.2009 of Govt. of Punjab,
Department of Welfare (Reservation Cell)**

This is to certify that Shri/Shrimati/ Kumari_____ son/daughter
of_____ village/town _____ in district/division _____ of
the state of Punjab belongs to the _____ caste which is recognised as a Backward Class in
terms of Punjab Govt. letter No._____ dated _____.

2. This is also certified that he/she does not belong to any category of persons/sections mentioned in
column 3 of the schedule to Punjab Government, Department of Welfare letter No.1/41/93-RC1/459, dated
17.1.1994 and No.1/41/93-RC1/1597, dated 17.8.2005 and No.1/41/93-RC1/209, dated 24.2.2009 for BC.

3. Shri/Shrimati/Kumari_____ and/or/his/her family ordinarily reside(s) in
village/town_____ of District/ Division _____ of the state of Punjab.

Place:_____

Signature _____

State:_____

Designation_____

Date:_____

(with office seal of the officer concerned)

Competent authority to issue Backward Class Certificate:

- i) Sub-Divisional Magistrate
 - ii) Executive Magistrate
 - iii) Tehsildar
 - iv) Naib Tehsildar
 - v) Block Officer
 - vi) District Revenue Officer
- (circulated vide No.2/223/79-SWI/4337, dated 8.6.1990)

* The certificate must not be dated one year before the first day of counseling for
admission. A certificate issued more than one year before the counseling date shall not be
valid.

Category Code-15

BACKWARD AREA CERTIFICATE

Despatch No. _____ Date _____

Certified that _____ son/ daughter of Shri _____
_____ is a bonafide resident of _____
Tehsil _____ District _____ which has
been declared as Backward Area by the Punjab Government. His/her claim falls under
category* _____ indicated below:

- a) a person who with the family members has been residing in a particular village or town included in the list of areas which are declared backward constantly for a period of ten years or more and is likely to continue to reside there.
- b) a person who has been residing in the village/ town for a period of less than ten years but not less than five years who is likely to reside there on account of the fact that he has obtained employment and will settle there after retirement.

In case of a person who has been residing in a village or town included in the list of areas which are declared backward and has migrated to another village or town in the said area, the total of his stay at both places will be counted.

Dated:

DC/GA to DC or SDM
(With Official Seal)

- Please mention here category (a) or (b) as the case may be.
- Certificate from authority other than DC/GA to DC or SDM is not valid and will not be accepted.

Category Code- 16

CERTIFICATE OF HAILING FROM BORDER AREA

Despatch No. _____

Date _____

i) I certify that _____ son/ daughter of Shri _____ of village _____ District _____ is a bonafide resident of village _____ District _____. The village/ town falls within the belt of 10 miles from the international border.

It is further certified that _____ has studied for at least 5 years in a recognized institution located in such village/ town as per dates of joining and leaving school/ college given below:-

- (1) _____
- (2) _____
- (3) _____
- (4) _____

*DC/GA to DC/ SDM of the concerned Distt.

Dated _____

(With Official Seal)

* Certificate from no other authority will be accepted.

ii) Certified that _____ son/ daughter of Shri _____ of village _____ District _____ was a bonafide student of the School/ College from _____ to _____ (exact date of joining and leaving the school/ college to be given) (Nursery/ LKG/ UKG etc. not included).

Place _____
Date _____

Signature of Headmaster/ Principal of the
School/ College
(With Seal)

NOTE: A candidate shall be eligible for admission under Border Area of category above only if he/she hails from a town/ village within the belt of ten miles from the international border and he/ she has studied for at least five years in a recognized institution located in such town/village (Nursery/LKG/UKG etc. not included). Two certificates to this effect should be obtained, one from DC/GA to DC of the District or the Sub-Divisional Magistrate of the Sub-Division concerned and another from the Headmaster/Principal of the Institution with details of exact date of joining and leaving the School/College. Exact particulars must be mentioned in the certificates.

Categories Code - 17 to 19

The eligibility of the handicapped categories candidates will be determined by the Medical Board at the time of counselling as per Punjab Govt. Notification/s.

Certified that the following candidate appeared before the Medical Board on -----

All the three members of the Medical Board examined the candidate carefully and have decided to certify as follows:

- | | | |
|----|--|----------------------------------|
| 1. | Name of the candidate | ----- |
| 2. | Father's name | ----- |
| 3. | Permanent Address of the candidate | ----- |
| 4. | Name of the disease causing
handicap | ----- |
| 5. | % (Percentage) of handicap | ----- |
| 6. | Whether the disease is progressive
or non-progressive | -----

----- |
| 7. | Whether the candidate is otherwise
fit to carry on studies and will be
able to perform duties of a doctor
satisfactorily. | -----

----- |

Member

Member

Chairman

Category Code - 20

The eligibility of the candidates under Sports Category will be decided at the time of counselling as per Punjab Govt. Notification/s.

Categories Code-21 & 22

CERTIFICATE TO BE FURNISHED BY THE CANDIDATES BELONGING TO THE CATEGORY KILLED IN TERRORIST ACTION/ RIOT AFFECTED/ DISPLACED PERSONS. THE CHILDREN OF INNOCENT CIVILIANS KILLED BELONGS TO CATEGORY KILLED IN TERRORIST ACTION/ IN TERRORIST VIOLENCE OR DURING OPERATION BY SECURITY FORCES ACTING IN AID OF CIVIL POWER.

Certified that Mr./Ms._____ Son/Daughter of Sh._____ was/is father/mother/ guardian of Mr./Ms._____(Name of the candidate) who was/is killed in riots/ terrorist action in Punjab during terrorist violence/ operation of security forces acting in aid of civil power/ is a riot affected/displaced person. The ward of person killed in Punjab will mean a family, which has lost its bread winner in some terrorist action in Punjab.

Date: _____ (Official Seal) Signature of Deputy Commissioner/GA to DC/ADC
of the District

Categories Code- 23 to 28

**CERTIFICATE TO BE FURNISHED BY WARDS OF DEFENCE PERSONNEL
KILLED OR DISABLED TO THE EXTENT OF 50% OR MORE IN ACTION, WARDS
OF GALLENTARY AWARDEES AND WARDS OF SERVING DEFENCE PERSONNEL.**

Certified that Mr./Ms. _____ Son/Daughter of Sh. _____
resident of _____ is father/mother/guardian of Sh./Mrs. _____
(Name of the candidate) has been/is:

- i) Killed in action.
- ii) disabled in action to the extent of 50% or above & Boarded out of service.
- iii) Died while in service & Death attributed to military service
- iv) Disabled in service & Boarded out with diseasable attributed to military service.
- v) Gallantry award/ other award winners both in service/ retired.
- vi) Serving Defence Personnel/Ex-serviceman

Date: (Official Seal)

Signature of Commanding Officer/
Secretary District Sainik Welfare

Note: The candidates seeking admission against above category should produce a certificate from the Army Headquarters or the Commanding Officer of the Unit in the case of serving defence personnel and Army headquarters or Commanding Officer of the last armed Unit or Secretary Zila Sainik Board countersigned by the Secretary, Rajya Sainik Board as the case may be in the case of Ex-defence personnel. In doubtful cases of Ex-defence personnel, discharge certificate may be asked for

Categories Code- 29 to 31

**CERTIFICATE TO BE FURNISHED BY WARDS OF PUNJAB POLICE PERSONNEL,
PUNJAB ARMED POLICE, PUNJAB HOME GUARDS AND PARA- MILITARY
FORCES KILLED OR DISABLED TO THE EXTENT OF 50% OR MORE IN ACTION
AND WINNERS OF PRESIDENTS POLICE MEDAL FOR GALLANTRY OR POLICE
MEDAL FOR GALLANTRY.**

Dispatch No. _____

Dated _____

Certified that Mr/Ms _____ S/D of Sh. _____
was/is dependent on Mr/Ms _____ S/D of
Mr/Ms _____ who was killed/50% or more disabled in
action which took place at _____ on _____ decorated with
President Police Medal for Gallantry/winner of Police Medal for
Gallantry/is a ward of Punjab Police Personnel/ Punjab Armed Police/
Punjab Home Guards/ Para Military Forces Personnel.

Date:

Signature of IG Police (HQ), Punjab
(Seal)

Category Code - 32

CERTIFICATE FOR CHILDREN/GRAND CHILDREN OF FREEDOM FIGHTERS

Dispatch No. _____

Date _____

Certified that Mr/Ms _____ Son/Daughter of Sh. _____
of village _____ P.O. _____ Tehsil _____ District _____
and grand father/grand mother/father/mother of Shri/
Kumari _____ (name of Candidate) is a bonafide freedom fighter and has been
granted freedom fighter's pension by the Punjab Government vide letter No. _____
dated _____ or has been awarded Tamra Patra for his political sufferings.

Place:

Date: (Official Seal)

Signature of *DC/ADC/
GA to DC of the Distt to which the
freedom fighter belongs to.

* Certificate from no other authority will be accepted

Category Code-33

MIGRANTS FROM J& K DUE TO TERRORIST VIOLENCE

Certificate from appropriate authority for J & K Migrants due to terrorists violence.

Category Code – 34

TSUNAMI VICTIMS

Certificate from appropriate authority for Tsunami Victims who are children / wards of
ex-servicemen and /or settlers of Campbell Bay Island in Andaman and Nicobar.

Category Code-35

CANCER VICTIM

Certificate from appropriate authority for Cancer Victim.

Category Code-36

AIDS VICTIM

Certificate from appropriate authority for Aids Victim.

Annexure-IV

Undertaking and Resident Certificates

Self Undertaking of Gap in Study

I _____ S/o, D/o Shri _____ resident of _____ (full address to be given) do hereby solemnly state and affirm as under:-

1. That I have passed 10+2 examination held in _____ from _____ (name of the college/school)
2. That I have not joined any college/institution after passing 10+2

OR

That I have joined the course of _____ at _____ (name of the institution) from _____ and will leave the same before joining the BAMS/BHMS/BUMS which ever applicable.

Dated : _____

Candidate Signature

Candidates already admitted-Any candidate who has taken admission in the previous year(s) in any course governed by this notification, shall not be eligible to seek admission through PAET-2017 in the same course. However, if any candidate who is admitted during the academic session 2017 in any institute/course at any place may opt for admission through PAET-2017 by submitting a sworn declaration at the time of counseling that he/she surrenders the earlier seat. However he/she can avail such opportunity only if the 2nd counseling in that state/UT is yet to take place so that the precious seat may not go waste in that state/UT.

No.1/3/95-3PP II/9619
GOVERNMENT OF PUNJAB
DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL
POLICIES II BRANCH)

Dated, Chandigarh the 6/6/96

To

- (i) All the Financial Commissioners to the Govt. of Punjab.
- (ii) All the Principal Secretaries/Administrative Secretaries to the Government of Punjab.
- (iii) All Heads of Departments, Commissioners of Division, Registrar, Punjab & Haryana High Court, District and Session Judges, Deputy Commissioners, Sub Divisional Officers (Civil) in the Punjab State.

Subject:- Bonafide resident of Punjab-Guidelines for grant of Residence Certificate.

Sir/Madam,

I am directed to invite your attention to the Punjab Government Circular Letter No.1/3/95-3PP II/2043, dated 29/1/1996 vide which the instructions were issued regarding simplification of procedure for obtaining the certificate of Domicile for purposes of admission to educational institutions (including technical/medical institution). The matter has been reconsidered in the light of judgement delivered by the Hon'ble Supreme Court of India in the case of Dr. Pradeep Jain Vs. Union of India and others reported as AIR 1984-SC-4121 wherein it was held that instead of the word 'Domicile' the word 'Residence' be used in the instructions issued by the State Government on the subject. Accordingly, it has been decided by the Government to revise the Government instructions referred to above as under:

**Affidavit/Certificate and the authorities
competent to issue the same**

- (a) Citizen of India
- (b) Produce an affidavit to the effect that they or their Children/wards have not obtained the benefit of Residence in any other State

Affidavit of the parents/guardian to be
attested by an Executive Magistrate/Oath
Commissioner/Notary Public

Categories

- | | |
|---|---|
| <p>i) Candidates who have studied for a period of 5 years in Punjab or have studied in Punjab for 2 years just preceding the qualifying examination for the admission.</p> | <p>Certificate to be issued by the Headmaster/ Principal of the Govt. and recognized Schools/Colleges concerned.</p> |
| <p>ii) Children wards of</p> <p>a) The employees of Punjab Govt. posted in or outside Punjab State or working on deputation having atleast 3 years of service.</p> <p>b) The employee of Govt. of India posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Govt. for a period of 3 years.</p> <p>c) The employees of State Govt. institutions/undertakings who are posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Govt. for a period of 3 years.</p> <p>d) The employees having atleast 3 years of service in autonomous bodies/companies in which Punjab Govt. has 20% or more shares:</p> <p>e) The Residents who are residing outside Punjab on Account of their service either with the GOI or with the employees of the Govt. of Punjab in the matter of issue of 'Residence Certificate' provided the permanent address of such employees fall in the reorganized Punjab i.e. on or after 01.11.66, as per their service books.</p> | <p>Certificate to be issued by respective Head of the Department</p> <p>- do -</p> <p>- do -</p> <p>- do -</p> <p>-do-</p> |
| <p>iii) Children/wards of the pensioners of Punjab Government irrespective of the fact that the original home of the retiree is in a state other than Punjab or he has settled after retirement in or outside Punjab.</p> | <p>PPO issued by the Accountant General, Punjab.</p> |
| <p>iv) Children/wards of persons who have settled in Punjab or had resided in Punjab for a period of atleast 5 years at any time prior to the date of submission of the application either in pursuit of a profession or holding of a job.</p> | <p>Certificate to be issued by the DC, ADC (R), ADC (D), SDM, GA to DC, DORG, DRO, EM, Tehsildar, Commissioners of Municipal Corporations of Amritsar, Jalandhar and Ludhiana.</p> |
| <p>v) Children/wards of persons who have held immovable property in Punjab for a period of 5 years, the property should be in the name of the parents/guardians or the candidate himself.</p> | <p>DC, ADC(R), ADC(D), SDM, GA to DC, EM, DORG, Tehsildar/DRO based on copies of Jamabandi, Revenue Record, Municipal Record, Registered deeds or any other documents to the full satisfaction of the DC.</p> |
| <p>ii) Persons who were born in Punjab and produced a certificate to that effect</p> | <p>As per category (iv) above.</p> |

2. For the purposes of uniformity for issuing the certificate of Residence in the case of various categories to be issued by the Competent Authorities, proforma have been prescribed which are enclosed herewith. After careful consideration, it has also been decided to delete the D.T.O. included among the certifying authorities against category (iv) & (vi) of the policy instructions dated 29.01.1996.
3. The receipt of this letter may please be acknowledged.

Sd/-
(Karam Chand Ahuja)
Deputy Secretary, Personnel

Copy of letter No.1/3/95-3PP-II/10361-63, dated 20.05.97 from the Joint Secretary, Personnel Government of Punjab, Department of Personnel and Administrative Reforms (Personnel Policies Branch II) to all Heads of Departments, etc., in the Punjab State.

Subject: Bonafide Resident of Punjab Guidelines for grant of Residence Certificate

With reference to letter No.1/3/95-3PII/9619, dated the 6th June, 1996 of this Department on the subject noted above and to say that keeping in view the hardship being faced by the Employees in getting the 'Residence Certificate' it has been decided to decentralize the powers of issuing the 'Residence Certificate' in process of the categories mentioned below:-

Categories:

- | | | |
|-----|---|--|
| ii) | Children/wards of | |
| a) | The employees of Punjab Government posted in or outside Punjab State or working on deputation having at least 3 years of service. | The Heads of the office shall be competent to issue the requisite certificate to the employees with the exception that in the case of head of Office, the Head of the Department shall be the Competent Authority to issue the certificate |
| b) | the employees of Government of India posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Government for a period of 3 years. | - do - |
| c) | the employees of State Government institutions/undertaking who are posted in Chandigarh or in Punjab in connection with the affairs of the Punjab Government for a period of 3 years. | - do - |
| d) | the employees having at least 3 years of service in autonomous bodies/ companies in which Punjab Government has 20% or more shares. | - do - |

Copy of letter No.1/3/95-3PP-II/7332, dated 14th June, 1999

From: Chief Secretary to Government of Punjab to all the Heads of the department etc.
Subject: Issuance of certificate for the purpose of seeking admission to various educational/technical/professional institutions in the state and also for employment.

Sir,

It has been brought to the notice of Government that educational authorities and institutions prescribe various certificates regarding residence, SC/BC category and backward area etc. to be furnished by the students/candidates with the applications forms for entrance examinations or employment in the formats and by the authorities different from those prescribed by the Government departments. Cases have also been reported where the authorities concerned insist on retaining original certificates and refuse to accept the attested photo copies of the certificates. All this results in harassment and panic among the students/candidates and their parents/guardian, since they have to apply with such certificates to more than one authorities simultaneously and within a limited period. The lists of certificates required at the time of applying for CET/PMET/PMT and PAU are enclosed by way of illustration.

2. In order to overcome the difficulty mentioned above, it has been decided by the Government that following procedure has been decided by the Government that the following procedure shall be followed meticulously by all the educational and other authorities concerned:-

- i) Certificates issued in the format and by the authorities prescribed by the Government Departments shall be accepted as valid by all educational institutions and other authorities.
- ii) Where a number of authorities have been authorized to issue the certificates there shall be no insistence on issue of a certificate by any particular authority or by the highest authority indicated in the format.
- iii)(a) In case of entrance examinations, no certificate should be called for in the first instance alongwith the application form. It will be sufficient for the candidate seeking admission or other facility to indicate in the application form whether he/she belongs to any particular category entitling him/her to certain concessions or facility. Requisite certificates may be obtained only from the selected/wait listed candidates.
- iii)(b) To further simplify the procedure attested copies of the certificates only shall be retained and original certificates if required to be produced at the time of interview shall be returned immediately, thereafter.
- iv) Parents/guardian or candidates can also obtain SC certificates from the Head of the institution where the candidates has studied if the proof is available in the school records.
- v) The persons who are employed in Government of India or any other State Government are to be treated at par with the employees of the Government of Punjab in the matter of issue of Scheduled Caste certificate provided relevant Scheduled Caste certificate exists in their service record. The Scheduled Caste certificate in such will be issued by the respective Heads of Departments in the Proforma below:-

CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT

Certified that Shri _____ S/o Sh. _____ father/mother of Miss./Mr. _____ is an employee _____ of (State Govt. Institution/underworkings) the Government of Punjab and is working as _____. He is posted at Chandigarh/Punjab in connection with the Affairs of the Punjab Government for a period of past three years.

- vi) In case of freedom fighters, political sufferers terrorists/riot victims and migrations where the registers are maintained by DC office, the certificate may be issued by Deputy Commissioner/GA to DC/ADC.

These instructions shall come into force with immediate effect and shall be effective even where admission prospectus have already been printed following earlier instructions but entrance examination is yet to be hold or deadline for submission of forms is not yet over.

These instructions may be brought to the notice of all concerned for meticulous compliance.

The receipt of this letter may please be acknowledged.

Yours faithfully,

Sd/-

(Megh Raj)

Joint Secretary Personnel

Note: Even though due care has been taken to reproduce the above letters as published by the Govt., the University is not liable for any typographical error or any other mistake which may have crept in inadvertently.

SPECIMEN FORMS OF SOME CERTIFICATES TO BE ATTACHED
WHICHEVER APPLICABLE WITH EACH APPLICATION FORM

UNDERTAKING FROM THE PARENT/GUARDIAN IN CASE
OF CATEGORY a b (Annexure-IV)

I.....father/mother/guardian of Miss/Mr.....
resident of
(full address to be given)

do, hereby, undertake that:

1. That I am a citizen of India.
2. That my child/ward has not obtained the benefit of Residence in any other state for admission to any of the medical courses covered under PAET-2017.

Dated:

SIGNATURE

*** Compulsory for all candidates**

CERTIFICATE TO BE ISSUED BY THE PRINCIPAL/HEAD MASTER OF THE
GOVERNMENT/RECOGNIZED SCHOOL/COLLEGE CONCERNED IN CASE OF
CATEGORY (b) (i) (Annexure-IV)

It is certified that Miss/Mr.....

D/o, S/o Sh.....has been a student of this School/College

for a period of.....years, from.....to

He/she left the School/College on.....

Dated:

Signature of Principal/Head Master of the
College/School
With Seal

CERTIFICATE TO BE ISSUED BY THE HEAD OF THE DEPARTMENT IN CASE
OF CATEGORY (b) (ii) (a) (Annexure-IV)

Certified that Sh/Smt.....S/o, W/o Sh.....
father/mother of Miss/Mr.....is an employee of the
(Name of child/ward)
.....of Punjab Government. He/she is working as
(Name of office)
.....and is posted at.....He/she has
more than three years service at his/her credit.

OR

Certified that Sh/Smt.....S/o W/o Sh.....
is father/mother of Miss/Mr.....an employee of the.....
of Punjab Government. He/she is working as.....
on deputation with the.....and is posted at.....
He/she has more than three years service at his/her credit.

Place:
Dated:

Head of the Department
(With Seal)

CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT
IN THE CASE OF CATEGORY (b) (ii) (b) (Annexure-IV)

Certified that Sh/Smt.....S/o W/o Sh.....
father/mother of Miss/Mr.....is an employee of Govt. of India and is working
as.....He/she has been posted at Chandigarh/Punjab in connection with the affairs of
Punjab Government for the past three years.

Dated:

Head of the Department
(With Seal)

CERTIFICATE TO BE ISSUED BY THE RESPECTIVE HEAD OF THE DEPARTMENT
IN CASE OF CATEGORY (b) (ii) (c) (*Annexure-IV*)

Certified that Sh./Smt. _____ S/o, W/o Sh _____ Father/Mother of
Miss/Mr. _____ is an employee of _____
Govt. of Punjab and is working as _____ (institution/undertaking)
He/she has been posted at Chandigarh/Punjab in connection with the affairs of the Punjab Government for period of past
three years.

Dated: _____

Head of the Department
(With Seal)

CERTIFICATE TO BE ISSUED BY THE HEAD OF THE DEPARTMENT
IN CASE OF CATEGORY (b) (ii) (d) (*Annexure-IV*)

Certified that Sh./Smt _____ S/o W/o Sh _____ Father of
Miss/Mr. _____ is an employee of
_____ in which the Punjab Govt. has 20% or more shares.
(Name of the autonomous bodies/companies).

He/she is working as _____ and is posted at _____. It is also certified that he/she
has three years service in the above said autonomous body/company.

Dated: _____

Head of the Department
(With Seal)

Category (b) (iii) Annexure-IV

- (iii) Children/wards of the pensioners of Punjab Govt. PPO issued by Account General Punjab.
irrespective of the fact that the original home of the retiree is in a state other than Punjab or
he has settled after retirement in or outside Punjab.

Note: A certificate from the Head of the Department to the effect that Sh./Smt. _____ is father/mother of
Sh./Smt. _____ (name of the applicant) may also be attached.

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC, ADC(R), ADC(D), SDM,
ASSISTANT COMMISSIONER GENERAL, DORG/DRO, EM, TEHSILDAR, COMMISSIONERS OF MUNICIPAL
CORPORATIONS OF AMRITSAR, JALANDHAR AND LUDHIANA
IN CASE OF CATEGORY - (b) (iv) *Annexure-IV*

Certified that Sh./Smt _____ S/o W/o Sh. _____ father/guardian of
Mr/Miss _____

(Name of the Child/Ward with full address)

_____ has settled *in Punjab or has resided *in Punjab for a period of 5 years from
_____ to _____. He is working as
_____.

(Name of profession Designation and job)

* Strike whichever is not applicable.

Dated: _____

Signature of DC/ADC(R), ADC (D), SDM
ASSISTANT COMMISSIONER GENERAL, DORG/ DRO,
EM, Tehsildar, Commissioners of
Municipal Corporations of Amritsar, Jalandhar and
Ludhiana.

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC, ADC(R), ADC(D), SDM,
ASSISTANT COMMISSIONER GENERAL, DORG/DRO, EM, TEHSILDAR, COMMISSIONERS OF MUNICIPAL
CORPORATIONS OF AMRITSAR, JALANDHAR AND LUDHIANA
IN CASE OF CATEGORY - (b) (v) *Annexure-IV*

Certified that Sh./Smt _____ S/o W/o Sh. _____
(Name of Person)

Father/Mother/guardian of Miss/Mr. _____

holds immovable property at _____ in the state of Punjab for the
(Place and District)

past _____ years.

Dated: _____

Signature of DC, ADC(R), ADC (D)
SDM, ASSISTANT COMMISSIONER GENERAL,
DORG/DRO, EM, Tehsildar, based on copies of
Jamabandi, Revenue Record, Municipal Record,
Registered deed or any other documents to full
satisfaction of the DC

RESIDENCE CERTIFICATE TO BE ISSUED BY THE DC. ADC (R), ADC (D),
SDM, ASSISTANT COMMISSIONER GENERAL, D.O.R.G./D.R.O., E.M., TEHSILDAR,
COMMISSIONERS OF MUNICIPAL CORPORATION OF AMRITSAR, JALANDHAR AND
LUDHIANA

IN CASE OF CATEGORY - (b) (vi) Annexure-IV

Certified that Miss/Mr. _____ D/o,S/o Sh. _____ resident

of _____ was born in Punjab as per birth certificate.

Dated: _____

Signature of DC/ADC(R), ADC (D)

SDM, ASSISTANT COMMISSIONER GENERAL,
DORG/DRO, EM, Tehsildar, Commissioners of
Municipal Corporations of Amritsar, Jalandhar and
Ludhiana.

TENTATIVE LIST OF COLLEGES

Sr. No.	<u>Colleges</u>	Tentative No. of Seats
AYURVEDIC COLLEGES		
1)	Babe Ke Ayurvedic Medical College & Hospital, VPO Daudhar, Via Ajitwal, Distt. Moga	60
2)	Shri Dhanwanty Ayurvedic College and Dabur Dhanwantry Hospital, Sector 46-B Chandigarh	50
3)	Dayanand Ayurvedic College, Mahatma Hans Raj Marg, G.T. Road, Jalandhar	50
4)	Guru Nanak Ayurvedic Medical College, Barkandi Road, Near Ajit Cinema Muktsar.	60
5)	Govt. Ayurvedic College, Lower Mall, Patiala	40
6)	Shri Lakshmi Narayan Ayurvedic College, O/S Lohgarh Gate, Amritsar	50
7)	Mai Bhago Ayurvedic College, (For Women), Ferozepur Road, Muktsar	60
8)	Shaheed Kartar Singh Sarabha Ayurvedic Medical College & Hospital, VPO Sarabha, Distt. Ludhiana	60
9)	Sri Satya Sai Murlidhar Ayurvedic College, G.T. Road, VPO Dunike, Moga	40
10)	Smt. Urmila Devi College of Medical Sciences & Hospital, VPO Kharkan, Una Road, Hoshiarpur	60
11)	Saint Sahara Ayurvedic Medical College & Hospital, Kot Shameer, Bathinda	50
12)	Guru Nanak Ayurvedic Medical College & Research Institute, Malerkotla Road, VPO Gopalpur, Distt. Ludhiana	60
13)	Shiv Shakti Ayurvedic Medical College and Hospital Sunam Road ,Bhikhi, Mansa	60
14)	Harmony Ayurvedic Medical College and Hospital , Ferozpur	60
15)	Baba Hira Dass ji Ayurvedic Medical College & Hospital V.P.O Badal , Muktsar	60
16)	Saraswati Ayurvedic Hospital & Medical College, Tehsil Kharar, Mohali	60
HOMOEOPATHIC COLLEGES		
1)	Lord Mahavira Homoeopathic Medical College, Kitchhu Nagar, Hehneman Road, Ludhiana	50
2)	Shri Guru Nanak Dev Homoeopathic Medical College, Canal Road, Barewal, Near Ayali Kalan, Near P AU, Ludhiana	60
3)	Homoeopathic Medical College, Hanumangarh Road, Abohar	60
4)	Kalyan Homoeopathic Medical College & Hospital, Jandiala Road, Distt.Tarn Taran	50
UNANI COLLEGE		
1.	Rehbar Ayurvedic & Unani Tibbi Medical College and Hospital and Reaserch Centre Bhawanigarh, Sangrur	50

- Note:-** (i) Admission to above colleges will be made only after clearance by the Govt. of India and University.
- (ii) Distribution of seats will be as per Punjab Govt. Notification.
- (iii) The list of eligible colleges may increase/decrease. The final list of eligible colleges/category wise seat distribution will be displayed at the time of counseling.

GURU RAVIDAS AYURVED UNIVERSITY

PAET-2017

INSTRUCTIONS FOR MARKING OF OMR RESPONSE SHEET

1. Use Black Ball Point Pen only. Use of any other writing instruments shall invalidate the answer.
2. For marking response, darken appropriate circle in the choice as shown below.
3. Fill only one response for each question. Filling more than one response shall be taken as wrong answer.
4. Do not make any stray marks on this sheet.
5. Read carefully the instructions in the question booklet.
6. Do not fold this Response Sheet.
7. Rough work may only be done on the space provided in the question booklet.
8. Darken fifth oval (E) in case of unattempted question.
9. There will be no negative marking but not darkening of unattempted questions shall be getting deduction of one mark per question if all the five ovals are left blank.

1. Roll No.

2. Question Booklet No.

3. Signature of Candidate

4. Signature of Invigilator

Correct Marking

☒ (B) (C) (D) (E)

Wrong Marking

☐ ☒ ☐ ☒ ☐

Correct Marking for unattempted question

(A) (B) (C) (D) ☒

Wrong Marking for unattempted question

(A) (B) (C) (D) (E)

Roll No.

0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Thumb Impression

Note : Those candidates who do not darken fifth oval in case of unattempted question introduced for security shall be getting deduction of marks @ one mark per question left in which all the five ovals have been left blank.

1	(A) (B) (C) (D) (E)	16	(A) (B) (C) (D) (E)	31	(A) (B) (C) (D) (E)	46	(A) (B) (C) (D) (E)
2	(A) (B) (C) (D) (E)	17	(A) (B) (C) (D) (E)	32	(A) (B) (C) (D) (E)	47	(A) (B) (C) (D) (E)
3	(A) (B) (C) (D) (E)	18	(A) (B) (C) (D) (E)	33	(A) (B) (C) (D) (E)	48	(A) (B) (C) (D) (E)
4	(A) (B) (C) (D) (E)	19	(A) (B) (C) (D) (E)	34	(A) (B) (C) (D) (E)	49	(A) (B) (C) (D) (E)
5	(A) (B) (C) (D) (E)	20	(A) (B) (C) (D) (E)	35	(A) (B) (C) (D) (E)	50	(A) (B) (C) (D) (E)
6	(A) (B) (C) (D) (E)	21	(A) (B) (C) (D) (E)	36	(A) (B) (C) (D) (E)	51	(A) (B) (C) (D) (E)
7	(A) (B) (C) (D) (E)	22	(A) (B) (C) (D) (E)	37	(A) (B) (C) (D) (E)	52	(A) (B) (C) (D) (E)
8	(A) (B) (C) (D) (E)	23	(A) (B) (C) (D) (E)	38	(A) (B) (C) (D) (E)	53	(A) (B) (C) (D) (E)
9	(A) (B) (C) (D) (E)	24	(A) (B) (C) (D) (E)	39	(A) (B) (C) (D) (E)	54	(A) (B) (C) (D) (E)
10	(A) (B) (C) (D) (E)	25	(A) (B) (C) (D) (E)	40	(A) (B) (C) (D) (E)	55	(A) (B) (C) (D) (E)
11	(A) (B) (C) (D) (E)	26	(A) (B) (C) (D) (E)	41	(A) (B) (C) (D) (E)	56	(A) (B) (C) (D) (E)
12	(A) (B) (C) (D) (E)	27	(A) (B) (C) (D) (E)	42	(A) (B) (C) (D) (E)	57	(A) (B) (C) (D) (E)
13	(A) (B) (C) (D) (E)	28	(A) (B) (C) (D) (E)	43	(A) (B) (C) (D) (E)	58	(A) (B) (C) (D) (E)
14	(A) (B) (C) (D) (E)	29	(A) (B) (C) (D) (E)	44	(A) (B) (C) (D) (E)	59	(A) (B) (C) (D) (E)
15	(A) (B) (C) (D) (E)	30	(A) (B) (C) (D) (E)	45	(A) (B) (C) (D) (E)	60	(A) (B) (C) (D) (E)

61	(A)	(B)	(C)	(D)	(E)
62	(A)	(B)	(C)	(D)	(E)
63	(A)	(B)	(C)	(D)	(E)
64	(A)	(B)	(C)	(D)	(E)
65	(A)	(B)	(C)	(D)	(E)
66	(A)	(B)	(C)	(D)	(E)
67	(A)	(B)	(C)	(D)	(E)
68	(A)	(B)	(C)	(D)	(E)
69	(A)	(B)	(C)	(D)	(E)
70	(A)	(B)	(C)	(D)	(E)
71	(A)	(B)	(C)	(D)	(E)
72	(A)	(B)	(C)	(D)	(E)
73	(A)	(B)	(C)	(D)	(E)
74	(A)	(B)	(C)	(D)	(E)
75	(A)	(B)	(C)	(D)	(E)
76	(A)	(B)	(C)	(D)	(E)
77	(A)	(B)	(C)	(D)	(E)
78	(A)	(B)	(C)	(D)	(E)
79	(A)	(B)	(C)	(D)	(E)
80	(A)	(B)	(C)	(D)	(E)
81	(A)	(B)	(C)	(D)	(E)
82	(A)	(B)	(C)	(D)	(E)
83	(A)	(B)	(C)	(D)	(E)
84	(A)	(B)	(C)	(D)	(E)
85	(A)	(B)	(C)	(D)	(E)
86	(A)	(B)	(C)	(D)	(E)
87	(A)	(B)	(C)	(D)	(E)
88	(A)	(B)	(C)	(D)	(E)
89	(A)	(B)	(C)	(D)	(E)
90	(A)	(B)	(C)	(D)	(E)
91	(A)	(B)	(C)	(D)	(E)
92	(A)	(B)	(C)	(D)	(E)
93	(A)	(B)	(C)	(D)	(E)
94	(A)	(B)	(C)	(D)	(E)
95	(A)	(B)	(C)	(D)	(E)
96	(A)	(B)	(C)	(D)	(E)
97	(A)	(B)	(C)	(D)	(E)
98	(A)	(B)	(C)	(D)	(E)
99	(A)	(B)	(C)	(D)	(E)
100	(A)	(B)	(C)	(D)	(E)
101	(A)	(B)	(C)	(D)	(E)
102	(A)	(B)	(C)	(D)	(E)
103	(A)	(B)	(C)	(D)	(E)
104	(A)	(B)	(C)	(D)	(E)
105	(A)	(B)	(C)	(D)	(E)
106	(A)	(B)	(C)	(D)	(E)
107	(A)	(B)	(C)	(D)	(E)
108	(A)	(B)	(C)	(D)	(E)
109	(A)	(B)	(C)	(D)	(E)
110	(A)	(B)	(C)	(D)	(E)
111	(A)	(B)	(C)	(D)	(E)
112	(A)	(B)	(C)	(D)	(E)
113	(A)	(B)	(C)	(D)	(E)
114	(A)	(B)	(C)	(D)	(E)
115	(A)	(B)	(C)	(D)	(E)
116	(A)	(B)	(C)	(D)	(E)
117	(A)	(B)	(C)	(D)	(E)
118	(A)	(B)	(C)	(D)	(E)
119	(A)	(B)	(C)	(D)	(E)
120	(A)	(B)	(C)	(D)	(E)
121	(A)	(B)	(C)	(D)	(E)
122	(A)	(B)	(C)	(D)	(E)
123	(A)	(B)	(C)	(D)	(E)
124	(A)	(B)	(C)	(D)	(E)
125	(A)	(B)	(C)	(D)	(E)
126	(A)	(B)	(C)	(D)	(E)
127	(A)	(B)	(C)	(D)	(E)
128	(A)	(B)	(C)	(D)	(E)
129	(A)	(B)	(C)	(D)	(E)
130	(A)	(B)	(C)	(D)	(E)
131	(A)	(B)	(C)	(D)	(E)
132	(A)	(B)	(C)	(D)	(E)
133	(A)	(B)	(C)	(D)	(E)
134	(A)	(B)	(C)	(D)	(E)
135	(A)	(B)	(C)	(D)	(E)
136	(A)	(B)	(C)	(D)	(E)
137	(A)	(B)	(C)	(D)	(E)
138	(A)	(B)	(C)	(D)	(E)
139	(A)	(B)	(C)	(D)	(E)
140	(A)	(B)	(C)	(D)	(E)
141	(A)	(B)	(C)	(D)	(E)
142	(A)	(B)	(C)	(D)	(E)
143	(A)	(B)	(C)	(D)	(E)
144	(A)	(B)	(C)	(D)	(E)
145	(A)	(B)	(C)	(D)	(E)
146	(A)	(B)	(C)	(D)	(E)
147	(A)	(B)	(C)	(D)	(E)
148	(A)	(B)	(C)	(D)	(E)
149	(A)	(B)	(C)	(D)	(E)
150	(A)	(B)	(C)	(D)	(E)
151	(A)	(B)	(C)	(D)	(E)
152	(A)	(B)	(C)	(D)	(E)
153	(A)	(B)	(C)	(D)	(E)
154	(A)	(B)	(C)	(D)	(E)
155	(A)	(B)	(C)	(D)	(E)
156	(A)	(B)	(C)	(D)	(E)
157	(A)	(B)	(C)	(D)	(E)
158	(A)	(B)	(C)	(D)	(E)
159	(A)				