

PANJAB UNIVERSITY CHANDIGARH



(Established under the Panjab University Act VII of 1947-
Enacted by the Government of India)

PROSPECTUS PU-CET (P.G.) – 2016

Date of Test: 11th June to 12th June 2016

**Last date for the submission of Online
Application Form: 10.5.2016 (Tuesday)**
(No application form will be received after the closing of the last date)

PU-CET (PG) FEE

General Category Rs. 1760/-
SC/ST/Blind Category Rs. 880/-
Additional Form Rs. 770/-
(for each paper, if required)

PANJAB UNIVERSITY ANTHEM

तमसो मा ज्योतिर्गमयः
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पंजाब विश्वविद्यालय
तेरी शान-ओ-शौकत सदा रहे
मन में तेरा आदर मान
और मोहब्बत सदा रहे
पंजाब विश्वविद्यालय
तेरी शान-ओ-शौकत सदा रहे
तू है अपना भविष्य विधाता
पंख बिना परवाज़ सिखाता
जीवन पुस्तक रोज पढ़ा कर
सही गलत की समझ बढ़ाता
जीवन पुस्तक रोज पढ़ा कर
सही गलत की समझ बढ़ाता
तेरी जय का शंख बजायें
रौशन तारे बन जायें
वखरी तेरी शोहरत
तेरी शोहरत सदा सदा रहे
पंजाब विश्वविद्यालय
तेरी शान-ओ-शौकत सदा रहे
पंजाब विश्वविद्यालय
तेरी शान-ओ-शौकत सदा रहे
तमसो मा ज्योतिर्गमयः
तमसो मा ज्योतिर्गमयः

Tamso ma jyotirgamaya:
Tamso ma jyotirgamaya:
Tamso ma jyotirgamaya:
Tamso ma jyotirgamaya:
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Mann mein tera aadar maan
Aur mohabbat sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Tu hai apna bhavishya vidhata
Pankh bina parwaaz sikhata
Jeevan pustak roz padha kar
Sahi galat ki samajh badhata
Jeevan pustak roz padha kar
Sahi galat ki samajh badhata
Teri jai ka shankh bajayein
Roshan tare ban jaayein
Vakhari teri shohrat
Teri shohrat sada sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe
Panjab vishaw vidyalaya
Teri shaan-o-shauqat sada rahe

Tamso ma jyotirgamya:
Tamso ma jyotirgamaya:

PU- CET (P.G.) – 2016

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Published by:

Dr. Parvinder Singh, Controller of Examinations,
Panjab University, Chandigarh

PANJAB UNIVERSITY, CHANDIGARH
Tentative Number of Seats in Various Courses

Sr. No.	Courses	Name of the Departments/Institutions offering the Course: and where the forms for admission after qualifying the entrance Test need to be submitted	No. of Seats (General including reserved seats)	Seats for Foreign Nationals/ NRI Candidates ^{###}
1.	LL.M. (One-Year Course) (Semester)	Department of Laws, P.U., Chandigarh.	42	4****
	LL.M. (One-Year Course) (Semester System) (# Self financing course)	University Institute of Legal Studies, UILS, P.U., Chandigarh	40	4****
	LL.M. (Two year) (4 Semester Degree Course)(Evening) (Self Finance)	University Institute of Legal Studies, UILS, P.U., Chandigarh	a) 20 for Advocates/Judicial/Officer/Civil Servants discharging Judicial Duties)*****	2****
			b) 20 (for Fresh Law Graduates)	2****
	LL.M. (Two Year Course)	UIL, Panjab University Regional Centre, Ludhiana	26	2****
2.	i. M.C.A. (Three year course) (Semester System)	Department of Computer Science and Applications P.U., Chandigarh.	34+2*	05
		P.U., Regional Centre, Muktsar	20+2*	03
		Department of Computer Science and Applications, Panjab University Swami Sarvanand Giri, Regional Centre, Hoshiarpur	50+3 ^{##}	-
	ii. M.C.A. (Evening) Self financing course	Department of Computer Science and Applications, P.U., Chandigarh.	46 +2*	06
3.	M.A. Journalism and Mass Communication (Two-Year Course)	School of Communication Studies P.U., Chandigarh.	30	05
4.	Masters in Public Health	Centre for Public Health University Institute for Emerging Areas in Science & Technology, PU, Chandigarh	17+5*****	2
5.	M.A. (English)	Department of English, P.U. Chandigarh	95+5***	15

6.	M.A. (Geography)	Department of Geography	51	7
7.	Masters in Disaster Management		25+3 [^]	
8.	Masters in Remote Sensing & GIS		25+3 [^]	
9.	Master of Social Work	Centre for Social Work U.I.E.A.S.S	30	04
10.	M. Tech. (Nanoscience and Nanotechnology)	Centre for Nano Science & Nano Technology (UIEAST) P.U., Chandigarh	10+3 (SC/ST)	02
11.	M.E. (Chemical)	University Institute of Chemical Engg. & Tech., P.U., Chandigarh	20	-
12.	M.E. (Food Technology)		10	-
13.	M.E. (Chemical with specialization in Environmental Engg.)		10	-
14.	M.Tech. (Polymer)		15+5 (Part time)	-
15.	M.Sc. (Industrial Chemistry)	University Institute of Chemical Engg. & Tech., P.U., Chandigarh	17	-
16.	ME Electrical Engg. (Instrumentation & Control) Regular programme	NITTTR, Sector 26, Chandigarh	06	-
17.	M.E. (Electronics & Communication Engineering) Regular Programme		08	-
18.	ME Computer Science & Engg. (Regular Programme)		05	-
19.	ME Civil Engineering (Construction Technology & Management) Regular Programme		05	-

20.	ME Mechanical Engineering (Manufacturing Technology) Regular Programme		05	-
21.	M.E. Electrical Engg. (Power System)	University Institute of Engineering & Technology Panjab University, Chandigarh	20*****	2
22	M.Tech. Material Science & Technology		20*****	2
23	M.E. Biotechnology		20*****	2
24.	Master of Arts (Business Economics) (M.A.B.E.)	DAV College, Sector-10, Chandigarh	60	-
		GGDSD College Sector 32, Chandigarh	60	-
		Guru Nanak Girls College, Model Town, Ludhiana	60	-
		Arya College Ludhiana	60	
25.	Master of Entrepreneurship and Family Business	GGDSD College, Sector . 32, Chandigarh.	40	-
		Kamla Lothia S.D. College, Ludhiana.	40	-
26.	M. Com. (Hons.)	University Business School, P.U., Chandigarh.	27	-
27.	M.Com (Business Innovation)	S.C.D. Government College, Ludhiana	30	-
28.	MBA (Commerce & Information Technology) MBACIT	MTSM College for Women, Ludhiana This course (MBACIT) is only for Girls	80	-
29.	Master of Business Administration for Executives (MBAfEX)	University Business School, P.U., Chandigarh	30	-
30.	Master of Physical Education	Department of Physical Education, P.U., Chandigarh	28	02
31.	Bachelor of Physical Education	Department of Physical Education, P.U., Chandigarh	34	02
M. Sc. (Hons. School)				
32.	Biochemistry	Department of Biochemistry, P.U., Chandigarh.	-	04
33.	Biophysics	Department of Biophysics, P.U., Chandigarh.	--	04
34.	Computer Science	Department of Computer Science & Applications P.U., Chandigarh	11	02

35.	Mathematics	Department of Mathematics P.U., Chandigarh	30	05
		Sant Longowal Institute of Engineering & Technology, Longowal, Distt. Sangrur	20	-
36.	Physics & Electronics***** (Self financing course)	Department of Physics, P.U., Chandigarh	20	03
M. Sc. (Two year Course)				
37.	Bioinformatics	DAV College, Sector-10, Chandigarh	15	-
		GGDSD College Sector 32, Chandigarh	15	-
38.	Environment Science	Department of Environment Studies, P.U., Chandigarh	20	03
39.	Human Genomics	National Centre for Human Genomics Studies & Research, P.U., Chandigarh	15	-
40.	Nuclear Medicine	Centre for Nuclear Medicine, P.U., Chandigarh	08	2
41.	System Biology and Bioinformatics	Centre for System biology and Bioinformatics P.U., Chandigarh	13	2
42.	Microbial Biotechnology	Deptt. for Microbial Biotechnology, P.U., Chandigarh	20	02
		Post Graduate Govt. College for Girls, Sector 42, Chandigarh	40	-
		Sri Guru Gobind Singh College, Sector 26, Chandigarh	40	-
43.	Medical Physics*****	Centre for Medical Physics, P.U., Chandigarh	08	02
M. Sc. (Hons. School/ 2 years Course)				
44.	Biotechnology**	Department of Biotechnology, P.U., Chandigarh	5+2 (SC)	2
		DAV College, Sector 10, Chandigarh	40	
		GGDSD College, Sector 32, Chandigarh	40	
		SGGS College, Sector-26, Chandigarh	40	
		DAV College, Abohar	40	
		Guru Nanak Girls College, Model Town, Ludhiana	40	
45.	Botany	Department of Botany, P.U., Chandigarh	25	04
		S. Govt. College, of Sci. Education & Research, Jagraon (Ludhiana)	40	02
		Post Graduate Govt. College for Girls, Sector 11, Chandigarh	40	-
		Post Graduate Govt. College for Girls, Sector 42, Chandigarh	40	-

46.	Chemistry	Department of Chemistry, P.U., Chandigarh.	15	02
		Post Graduate Govt. College, Sector 11, Chandigarh	40	-
		Post Graduate Govt. College for Girls, Sector 11, Chandigarh	40	-
		S. Govt. College, of Sci, Education & Research, Jagraon (Ludhiana)	40	02
		DAV College, Abohar	40	
		Guru Nanak Girls College, M.T. Ludhiana	40	
		GHG Khalsa College, Gurusar Sadhar, Ludhiana	40	-
		SGGS Khalsa College, Mahilpur Hoshiarpur	40	
		DAV College, Sector-10, Chandigarh	40	
		JCDAV College, Dasuya (Hoshiarpur)	40	
		Sant Longowal Institute of Engineering & Technology, Longowal, Distt. Sangrur	20	
47.	Physics*****	Department of Physics, P.U., Chandigarh	40	06
		DAV College, Sector 10, Chandigarh	40	-
		GGDSD College, Sector 32, Chandigarh	40	
		JCDAV College, Dasuya (HSP)	40	
		DAV College, Abohar	40	
		Guru Nanak Girls College, M.T., Ludhiana	40	
		SGGS Khalsa College, Mahilpur	40	
		Dev Samaj College, Ferozepur	40	
		GHG Khalsa College, Gurusur Sudhar	40	
		S.P.M. College, Mukerian	40	
		Sant Longowal Institute of Engineering & Technology, Longowal, Distt. Sangrur	20	
48.	Zoology	Department of Zoology, P.U., Chandigarh.	14	02
		DAV College, Sector 10, Chandigarh	40	-
		JC DAV College, Dasuya, Hoshiarpur	40	-
		Post Graduate Govt. College for Girls, Sector 42, Chandigarh	40	-
		Post Graduate Govt. College for Girls, Sector 11, Chandigarh	40	-
		Sri Guru Gobind Singh College, Sector 26, Chandigarh	40	-

* For candidates who have studied computer science as one of the subjects for three years or the subject as a full course at the under graduate level.

** Only those students who have cleared B.Sc. Biotechnology or B.Sc. with Biotechnology as elective/vocational/ add on course subject are eligible.

*** For students who have passed B.A. with Functional English.

**** Foreign and original *bona fide* NRI students having done their graduation from other countries be exempted from Entrance Test for admission to LL.M. course from the session 2009-10.

***** The candidates appearing in Physics/ Physics & Electronics / Medical Physics courses are eligible for admission to these courses.

- ***** Only regular employees in Government organization and having atleast one year service experience be admitted under, %a-service+ category. The candidate has to produce %No objection certificate+at the time of admission.
- ***** For preparing merit list of admission, a special weightage of maximum upto 10 marks shall be given to candidates falling under this category i.e. ½ mark for every completed year of practice/employment.
- ***** Preference will be given to GATE qualified candidates. Candidate appearing for PU-CET(PG) will be given admission if some seats will be left vacant after Gate QUALIFIED CANDIDATES ADMISSIONS.
- # Subject to the approval of the Syndicate / Senate.
- ## Economically weaker section
- ### 10% seats over and above the total number of regular seats in each course are reserved for the Foreign Nationals/ NRI candidates. The decision of the Syndicate / Senate where the seats have already been granted more than the 10% seats will also prevail.
- ^ Sponsored by Govt. / Institutions

Eligible Foreign Nationals/Persons of Indian Origin/NRI Candidates, who are in India and desirous of seeking admission in this category, will compete amongst themselves for the seats created for them by appearing in the Entrance Test. **Those living abroad at the time of entrance test will be exempted from the entrance test.** The fee structure for all such candidates will be prescribed by the Panjab University in the Admission Brochure. Foreign students shall have to comply with Visa and other requirements of the Govt. of India, U.T. Administration, Chandigarh as well as Panjab University, Chandigarh, as prescribed by them from time to time.

Important Notes Common to all the Courses

1. ***This prospectus is valid for only one Online Application form. A separate Online Application form is required to be submitted for the Entrance Test of additional course/s as each course will have separate merit list. The cost of an additional Online Application form is ₹ 770/- each.***
2. **The Online Application forms for General and SC/ST/Blind categories are priced differently. Please pay the correct fees to avoid complication at the time of admission. The cost of submitting additional form is the same for General and SC/ST categories i.e. ₹ 770/- each.**
3. **No application form will be received under any circumstances after the closing of the last date.**
4. ***This is an online prospectus for Entrance Test only.*** The information/instructions for admission to courses that are based on the entrance test are not contained herein.
5. **Only the candidates who have *passed or are appearing* in the qualifying examination for a particular Course can apply for the Entrance Test.**
6. **The admission of candidates in the **Entrance Test** shall be provisional. It shall stand cancelled if the candidate fails to satisfy the requisite eligibility conditions by the date fixed for the purpose by the concerned Institution/Department/Centre**
7. **THE CANDIDATES SHALL HAVE TO APPLY FOR ADMISSION TO THE COURSE (S) THEY ARE INTERESTED IN, SEPARATELY WITHIN THE PRESCRIBED TIME LIMIT, DIRECTLY AND INDEPENDENTLY TO THE RESPECTIVE INSTITUTIONS / DEPARTMENTS / CENTERS IN WHICH THEY WANT TO SEEK ADMISSION. THIS INFORMATION FOR APPLYING ON LINE WILL BE AVAILABLE IN THE HAND BOOK OF INFORMATION AND ON THE UNIVERSITY WEBSITE AFTER THE ADVERTISEMENT OF THE ADMISSION NOTICE IN THE NEWSPAPERS.**
8. **The exact number of seats available for various M.Sc. (Honours School) courses in the General category may vary depending upon the result of the B.Sc. (Honours School) of the respective department.**
9. **The result of the entrance test will be available on the University web site only. *No separate Result Cards will be issued.***
10. **The University will publish merit list of the candidates for all courses on the basis of attainment of a minimum of 20% (15% in case of candidates belonging to Scheduled Castes/ Scheduled Tribes/Backward Classes) of aggregate of maximum marks in the entrance test taken as a whole.**

The cut-off marks for passing the Entrance Test for admission to MA (Journalism & Mass Communication) stands increased to 21 marks (33% of the total marks) from 13 marks out of 65 marks, as it is a professional course.

The pass percentage in case of entrance test in English stands increased to 35% (30% in case of candidate belonging to SC/ST/BC) w.e.f the session 2013-2014.

11. **The Scheme of Test for MBA for Executive (MBAfEX) will be of 85 marks and consists 85 multiple-choice questions of one mark each.**
12. ***Candidates securing equal marks shall be bracketed together.*** Their *inter-se* merit will be determined by the Institution/Department/Centre to which they are seeking admission in accordance with the following criteria:
 - (i) A candidate getting higher percentage of marks in the qualifying examination shall rank higher in order of merit.
 - (ii) If the marks in qualifying examination are also the same then the candidate obtaining more marks in the immediate lower examination, shall rank higher in order of merit.
 - (iii) If two or more candidates secure equal marks in (i) & (ii) above, the candidate senior in age shall rank higher in the order of merit.

13. *The final merit for admission shall be computed by the concerned Departments/Institutes/ Centers after taking in to account the relative weight age for final merit for admission in respective courses. The relative weight ages as applicable to different departments are as follows:*

Course	Weight age (%)	
	Entrance Test	Qualifying Examination
LLM (Master of Laws)	80	20
M.C.A. (Master of Computer Application)	50	50
M.A. (Journalism and Mass Communication)	50	50
Master in Public Health	50	50
M.A. (English)	50	50
M.A. (Geography)	50	50
Masters in Disaster Management	50	50
Masters in Remote Sensing & GIS	50	50
Master of Social Work	25	75**
M. Tech. (Nanoscience and Nano Technology)	50	50
M.E. (Chemical)	50	50
M.E. (Food Technology)	50	50
M.E. (Chemical with specialization in Environmental Engg.)	50	50
M.Tech. (Polymer)	50	50
M.Sc. (Industrial Chemistry)	50	50
M.E. Electrical Engg. (Instrumentation & Control) Regular Programme	50	50
M.E. (Electronics and Comm. Engg.) (Regular Programme)	50	50
M.E. (Computer Science and Engg.) (Regular Programme)	50	50
M.E. Civil Engineering (Construction Tech. & Mgt.) (Regular Programme)		
M.E. Mechanical Engineering (Manufacturing Tech.) Regular Programme	50	50
M.E. Electrical Engg. (Power System)	50	50
M.Tech. Material Science & Technology	50	50
M.E. Biotechnology	50	50
M.A.B.E.	50	50
M.E.F.B.	85	15*
M. Com (Hons.)	85	15*
M.Com (Business Innovation)	50	50
MBACIT	50	50
Master of Business Administration for Executives (MBAfEX)	85	15
M.P.Ed (Master of Physical Education)	50	50
B.P.Ed (Bachelor of Physical Education)	50	50
M.Sc. (Hons. School)	50	50
Biochemistry/ Biophysics /Computer Science/ Mathematics		
M.Sc. (Two Year Course)	50	50
Bioinformatics (being offered in the colleges affiliated to P.U.), Environment Science/ Human Genomics /Nuclear Medicine/ System Biology and Bioinformatics and Microbial Biotechnology/ Medical Physics/Physics & Electronics		
M.Sc. (Hons. School / Two year Course)	50	50
Biotechnology/ Botany/ Chemistry/ Physics /Zoology		

* 7.5% marks Group discussion and 7.5% marks for personal interview.

** 50% academic weightage + 10% GD + 15% PI

Note: *The candidates who have passed/appeared in the qualifying examination from any of the following universities (declared as fake by the UGC) are ineligible to appear in the Entrance Tests, as these institutions have been derecognized by the Panjab University.*

1. Maithili University/ Vishwavidyalaya, Darbhanga, Bihar
2. Mahila Gram Vidyapith/ Vishwavidyalaya, (Women's University) Prayag, Allahabad (U.P.)
3. Varanaseya Sanskrit Vishwavidyalaya, Varanasi (U.P.), Jagatpuri, Delhi
4. Commercial University Ltd., Daryaganj, Delhi
5. Indian Education Council of U.P., Lucknow (U.P.)
6. Gandhi Hindi Vidyapith, Prayag, Allahabad (U.P.)
7. National University of Electro Complex, Homeopathy, Kanpur
8. Netaji Subhash Chandra Bose University (Open University), Achaltal, Aligarh (U.P.)
9. D.D.B. Sanskrit University, Putur, Trichi, Tamil Nadu
10. St. John's University, Kishanttam, Kerala
11. United Nations University, Delhi
12. Vocational University, Delhi
13. Uttar Pradesh Vishwavidyalaya, Kosi Kalan, Mathura (U.P.)
14. Maharana Partap Shiksha Niketan Vishwavidyalaya, Partapgarh (U.P.)
15. Raja Arabic University, Nagpur
16. Kesarwani Vidyapith, Jabalpur (M.P.)
17. Badaganvi Sarkar World Open University Educaiton Society, Gokak, Belgaum (Karnataka)
18. ADR-Centric Juridical University, ADR House, 8J, Gopala Tower, 25 Rajendra Place, New Delhi-110008
19. Gurukul Vishwavidyalaya, Vrindawan (U.P.)

Eligibility Conditions and Scheme of Test

Master of Laws (L.L.M. One-Year Course and L.L.M. Two year Course) (Semester System)

Eligibility Conditions

A person who has passed one of the following examinations shall be eligible after qualifying the entrance test to join the first semester class of the LL.M. Course:-

- (a) LL.B. 3 Year Degree/ B.A. LL.B. / B.Com. LL.B. 5 Years degree examination of this University with minimum 55% marks (50% in case of SC/ST/BC candidates);

OR

- (b) Any equivalent examination of another University recognized by the Syndicate for this purpose.

Scheme of Test

The duration of the Entrance Test will be of 1 hour and 30 minutes. The Entrance Test will be of 75 marks consisting of 20 marks for Constitution, 10 marks for Current Affairs and 45 marks for Other Laws as per the existing syllabus. There will be 75 multiple choice legal questions.

Master of Computer Applications (M.C.A. Three Year Course) (Semester System) and (M.C.A. Evening Self Financing Course)

Eligibility Conditions

The minimum qualification for admission to the first year of the course shall be:

- i) A recognized first degree of minimum three years duration in any discipline from Panjab University with at least 50% marks and with Mathematics at 10+2 or at graduation level (all three years);

Or

- ii) B.C.A. from Panjab University with 50% marks

Or

- iii) Any examination recognized by the Panjab University as equivalent to any of the above examinations i) or ii)

Scheme of Test

The test of 1 hour 30 minutes duration shall contain 75 Objective Type (Multiple choice questions with four responses i.e. A, B, C, & D) carrying one mark each.

The questions will be based upon following four components:

Component	No. of Questions
1. Mathematics (10+2 level)	40
2. Computer Science	15
3. English	10
4. Reasoning & Aptitude.	10

M.A. Journalism and Mass Communication (Semester System/ Two-Year Course)

Eligibility Conditions

The Entrance Test is open to all such candidates who have any one of the following qualifications:

- (i) A Bachelor's degree obtaining at least 45% marks in the subject of Journalism and Mass Communication or Bachelor's degree in any subject attaining at least 50% marks in the aggregate of this University or any other University the examination of which has been recognized as equivalent thereto.
OR
- (ii) BA/BSc with Honours in Journalism and Mass Communication.
OR
- (iii) Master's Degree examination in any subject of this University or any other University the examination of which has been recognized as equivalent thereto.

Scheme of Test

The test of 1 hour and 30 minutes duration will comprise of Objective & Subjective Type Questions for 65 marks out of the total 75 marks. The remaining 10 marks would be divided equally between the group discussion and interview to be held consequent to the entrance test. The test will be divided into five following components:

1. Article writing on current events
2. Precis writing
3. Feature, writing on personalities, reviews etc.
4. English Comprehension
5. Interpretative passage

Candidates who clear the entrance test have to apply afresh in the School of Communication Studies. The cutoff marks for passing the Entrance Test for admission to MA (Journalism & Mass Communication) is 21 marks (33% of the total marks) [increased from 13 marks out of 65 marks, as it is a professional course].

Master in Public Health

Eligibility Conditions

Bachelor's degree in any discipline with at least 50% marks from recognized University/Institute..

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. There will be 25 from Biological Sciences, 10 from Social Sciences, 25 from Health Sciences and Medical Vocabulary, 15 on Environment Sciences.

M.A. (English) (Semester System)

Eligibility Conditions

A person who has passed one of the following examinations from Panjab University or from any other University whose examination has been recognized equivalent to the corresponding examination of this University:

- i. B.A. with Honours in English
- ii. Bachelor's degree in any faculty with at least 50% marks in the aggregate.
- iii. Diploma in Physical Education examination or Postgraduate Diploma in Library Science after having passed B.A. or B.Sc.
- iv. B.A. (Pass)/B.Sc. (Pass) examination in full subjects obtaining at least 45% marks in the Elective English.
- v. Obtained B.A. degree through English only regulation obtaining at least 45% marks in the Elective English.
- vi. Obtained B.A. after passing examination in an Oriental Classical Language or a Modern Indian Language with at least 45% marks (out of the aggregate excluding the additional

- paper) at the Honours in Oriental Titles or Modern Indian Languages examination in English.
- vii. Master's degree examination in another subject or another Faculty.
 - viii. B.A. examination under Social Service Regulations or under War Regulations and has subsequently passed in the subject concerned at the B.A. examination obtaining at least 45% marks.
 - ix. B.Sc. (Hons. School).

The pass percentage in case of entrance test in English stands increased to 35% (30% in case of candidate belonging to SC/ST/BC) w.e.f the session 2013-2014.

Scheme of Test

The written Test will be of 1 hour and 30 minutes duration and will carry 75 marks. The pattern of the CET should be as follows:

1. Write at least two paragraphs (total 400 words) on any of the one given topics / issues. 30 marks
2. Critical appreciation of a poem. 25 marks
3. Four short notes (approx 100 words) based on Topics related to literature. 20 Marks

MA (Geography)

Eligibility Conditions

A person shall be eligible only if:-

1. he/she has a Bachelor's Degree with atleast 50% marks in the aggregate.
2. he/she has passed in Geography in the B.A. or B.Sc. examination obtaining at least 45% marks;

OR

has obtained Post-graduate diploma in Cartography with atleast second division.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each.

Masters in Disaster Management

Eligibility Condition

Graduation in any discipline with atleast 50% of aggregate marks from Panjab University or from any other University recognized by the Panjab University as equivalent thereto.

The candidates, except those sponsored by the government / institution should have passed the written Entrance Test conducted by Panjab University, Chandigarh. The merit list will be prepared considering the marks obtained in the Entrance Test and the qualifying Examination as per the following criteria:-

Written Entrance Test: 50%

Qualifying Examination: 50%

Academic and other weightage(s), if any, will be based on the percentage of marks obtained by the eligible candidates in the Qualifying Examination as prescribed and admissible in PU rules. The candidates will have to appear for a personal interview as per the merit list. However, there will be no marks awarded for the interview.

To qualify, a candidate must obtain 50% of the marks assigned to the written test. Candidates will be admitted as per merit, based on performance in the written test and qualifying examination put together.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each.

Masters in Remote Sensing & GIS

Eligibility Condition

Bachelor's Degree with Geography/ Geology/ Geophysics/ Mathematics/Physics/ Botany/ Environment Science / Computer Science/ Urban Planning/ Regional Planning / B.Tech./ B.C.A. or Master's Degree in Geography / Geology/ Geophysics/ Mathematics/ Physics/Botany/ Environment Science / Computer Science / M.C.A./ Urban Planning/ Regional Planning with at least 50% marks in aggregate. The admission to the course shall be through Entrance Test in which a minimum score of 50% marks mandatory.

B.A./B.Sc./ M.A./ M.Sc. Geography students will be given additional weightage of 15% of the academic score at Bachelor's level.

The candidates, except those sponsored by the government/ institutions, should have passed the written Entrance Test conducted by Panjab University, Chandigarh. The merit list will be prepared considering the marks obtained in the Entrance Test and the following Examination as per the following criteria:-

Written Entrance Test	:	50%
Qualifying Examination	:	50%

Academic and other weightage(s), if any, will be based on the percentage of marks obtained by the eligible candidates in the Qualifying Examination as prescribed and admissible under Panjab University rules. The candidates will have to appear for a personal interview as per the merit list. However, there will be no marks awarded for the interview.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each.

Master of Social Work

Eligibility Conditions

The Entrance Test is open to all such candidates who have any one of the following qualifications:

Bachelor's degree obtaining at least 50% marks in the any discipline from a recognized University/ Institute.

The candidates belonging to SC/ST shall be allowed 5% relaxation in the eligibility requirements.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The medium of examination is English only. There will be negative marking for wrong answers. The Questions paper will include questions related to General Knowledge and Social Awareness.

M.Tech. (Nanoscience and Nanotechnology) (Semester System)

Eligibility Conditions

Bachelor's degree (4-years after 10+2) in Engineering/Technology, i.e. B.E. /B. Tech. (in any Branch).

Or

Master's degree in Physics/Chemistry/Biophysics/Biochemistry/Microbiology/Biotechnology/Nano Science/Electronics with minimum 50% marks in the aggregate.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The syllabus will be based broadly on the course contents on fundamentals of Physics, Chemistry, Mathematics, Biology and Computer background covered during their qualifying exams including undergraduate level.

M.E. (CHEMICAL)

Eligibility Conditions:

B.E./B.Tech.(Chemical) (04 years) or Five Year Integrated B.E.(Chem.)with MBA with a CGPA of 6.00 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E./B.Tech. (chemical)(04 years) or Five Year Integrated B.E.(Chem.)with MBA or any other equivalent qualifying degree as approved by the Syndicate. The candidate shall be admitted on the basis of the PU-CET (P.G.) merit conducted by Panjab University, Chandigarh.

GATE qualified candidates will be exempted from the PU-CET (P.G.) test. However, in case of eligible GATE qualified candidates the merit list will be as per the GATE Score obtained and shall be offered the seat in the first instance.

Scheme of Test:

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

M.E. (FOOD TECHNOLOGY)

B.E./ B.Tech. degree in Food Technology / Dairy Technology/ Agricultural Engineering / Food Engineering / Chemical Engineering / Chemical Technology (4 years) or Five Year Integrated B.E. (Chemical) with MBA or any other equivalent qualifying degree as approved by the Syndicate with a CGPA of 6.00 or at least 60% marks in the aggregate (where % marks are awarded).

The candidate shall be admitted on the basis of the PU-CET (P.G.) merit conducted by Panjab University, Chandigarh.

GATE qualified candidates will be exempted from the PU-CET (P.G.) Test. However, in case of eligible GATE qualified candidates the merit list will be as per the GATE Score obtained and shall be offered the seat at the first instance.

Scheme of Test:

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

M.E. (Chemical with specialization in Environmental Engineering)

Eligibility Conditions:

B.E./B.Tech.(Chemical) (04 years) or Five Year Integrated B.E.(Chem.)with MBA with a CGPA of 6.00 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E./B.Tech. (Chemical)(04 years) or Five Year Integrated B.E.(Chem.)with MBA or any other equivalent qualifying degree as approved by the Syndicate. The candidate shall be admitted on the basis of the PU-CET (P.G.) merit conducted by Panjab University, Chandigarh.

GATE qualified candidates will be exempted from the PU-CET (P.G.) test. However, in case of eligible GATE qualified candidates the merit list will be as per the GATE Score obtained and shall be offered the seat at the first instance.

Scheme of Test:

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

M.TECH. (POLYMER)

B.E./B.Tech. (chemical) (04 years) or Five Year Integrated B.E.(Chem.)with MBA with a CGPA of 6.00 or at least 60% marks in the aggregate (where % marks are awarded) in the qualifying examination i.e. B.E./B.Tech. (chemical) (04 years) or Five Year Integrated B.E.(Chem.)with MBA or any other equivalent qualifying degree as approved by the Syndicate.

OR

Masters degree in Technical Chemistry/Applied Chemistry/Industrial Chemistry/Chemistry (with mathematics upto graduation or an equivalent examination) with at least 55% marks in the aggregate from Panjab University or any other university recognized by Panjab University as equivalent thereto.

The candidate shall be admitted on the basis of the PU-CET (P.G.) merit conducted by Panjab University, Chandigarh.

GATE qualified candidates will be exempted from the PU-CET (P.G.) test. However, in case of eligible GATE qualified candidates the merit list will be as per the GATE Score obtained and shall be offered the seat in the first instance.

Scheme of Test:

The duration of the Entrance Test will be 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

M.Sc. (INDUSTRIAL CHEMISTRY)

B.Sc. (Three Year Course) with Mathematics and Chemistry as compulsory subjects/B.Sc. (Hons. School)Chemistry/B.Sc. (Hons.)Chemistry with Maths as a compulsory subject/B.Sc.(Three Year Course) with Industrial Chemistry and mathematics as compulsory subject or any other equivalent examination as approved by the syndicate, Panjab University, Chandigarh. A candidate seeking admission must have obtained a minimum CGPA of 5.5 OR 55% marks (where % marks are awarded) in the qualifying examination mentioned above.

Scheme of Test:

The duration of the Entrance Test will be of 1 hour 30 minutes and it will consist of 75 multiple-choice questions of one mark each consisting of 20 questions in Physics, 20 questions in Chemistry, 20 questions in Industrial Chemistry & 15 questions in Maths. The syllabus will be based broadly on the course contents generally covered during the qualifying examinations.

M.E. Electrical Engg. (Instrumentation & Control) Regular Programme

Eligibility Conditions

B.E. / B. Tech or equivalent in Instrumentation and Control/ Electronics/Electrical Engineering with atleast 60% marks in the aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto. Admission is on the basis of entrance test PU . CET (P.G.)-2016 to be conducted by the Panjab University and interview. GATE qualified candidates will be exempted from the PU . CET (P.G.) Test. However, in case of eligible GATE qualified candidates, the merit list will be as per the GATE Score obtained and shall be offered the seat at the first instance.

Scheme of Test

The duration of the Entrance Test shall be of 1 hour 30 minutes. The syllabus will be based broadly on the course contents generally covered during qualifying examinations. Each question will be of one mark.

M.E. (Electronics and Communication Engineering) Regular Programme

Eligibility Conditions

B.E. or B. Tech or equivalent in Electronics /Electronics & Communication Engineering /Electronics and Telecom Engineering with at least 60% marks in the aggregate from Panjab University or any other university recognized by Panjab University as equivalent thereto.

GATE qualified candidates will be exempted from the PU . CET (P.G.)-2016 Test. However, in case of eligible GATE qualified candidates, the merit list will be as per the GATE score obtained and shall be offered the seat at the first instance.

Scheme of Test

The duration of the Entrance Test will be 1 hour 30 minutes. The question paper will consist of 75 multiple-choice questions. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

Each question will be of one mark.

M. E. (Computer Science & Engineering) Regular Programme

Eligibility Conditions

B.E. or B. Tech or equivalent in Computer Science and Engineering/Information Technology with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.

GATE qualified candidates shall be exempted from the PU . CET (P.G.) . 2016 test. However, in case of eligible GATE qualified candidates, the merit list will be as per the GATE score obtained and shall be offered the seat in the first instance.

Scheme of Test

The duration of Entrance test will be 1 hour 30 minutes. The question paper will consist of 75 multiple-choice questions. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

Each question will be of one mark.

M.E. Civil Engineering (Construction Technology & Management) Programme:

A Bachelor's Degree in Civil Engineering from a recognized University or its equivalent with a minimum CGPA of 6.75 or 60% marks in aggregate. Admission (against vacant seats) is on the basis of entrance test (PU-CET (P.G.)-2016) to be conducted by the Panjab University and interview. GATE qualified candidates will be exempted from the (PU-CET (P.G.)-2016 test. However, in case eligible GATE qualified candidates, the merit list will be as per the GATE score obtained and shall be offered the seat at the first instance.

Scheme of Test:

The duration of the Entrance Test shall be of 1 hour and 30 minutes. The question paper will consist of 75 multiple choice questions. The syllabus will be based broadly on the course contents generally covered during qualifying examinations.

Each question will be of one mark.

M.E. Mechanical Engineering (Manufacturing Technology) Programme:

Eligibility Conditions:

A Bachelor's Degree in Mechanical Engg/ Production Engg./ Industrial Engg./ Automobile engineering/ Manufacturing Technology from a recognized University or its equivalent with a minimum CGPA of 6.75 or 60% marks in aggregate. Admission (against vacant seats) is on the basis of entrance test (PU-CET (P.G.) to be conducted by the Panjab University and interview, GATE qualified candidates will be exempted from the (PU-CET (P.G.) TEST. However, in case of

eligible GATE qualified candidates, the merit list will be as per the GATE score obtained and shall be offered the seat at the first instance.

Scheme of Test:

The duration of the Entrance Test shall be of 1 hour and 30 minutes. The question paper will consist of 75 multiple choice questions. The syllabus will be based broadly on the course contents generally covered during qualifying examinations. Each question will be of one mark.

M. E . Electrical Engineering (Power System)

Eligibility Conditions:

Any candidate who has completed B.E./B.Tech. in Electrical/Electrical & Electronics Engineering with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.

Mode of admission:

Preference will be given GATE qualified candidates. Candidate appearing for PU-CET (PG) will be given admission if some seats will be left vacant after the GATE qualified candidates admissions.

Scheme of Test:

The question paper will be based on the syllabus of Electrical and Electronics Engineering taught at undergraduate level in Panjab University Chandigarh. It will consist of 75 Objective type questions (Multiple choice with four responses i.e. A ,B C, and D) carrying a total 75 marks. The question paper will be of 1 hour and 30 minutes duration.

M. Tech. Material Science & Technology

Any candidate who has completed M.Sc. (Physics), M.Sc. (Chemistry), B.E. Mechanical/Electrical/Electrical and Electronics/Civil/Production/Chemical with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto.

Mode of admission:

Preference will be given GATE qualified candidates. Candidate appearing for PU-CET (PG) will be given admission if some seats will be left vacant after the GATE qualified candidates admissions.

Scheme of Test:

The question paper will be based on the the fundamental of Physics, Chemistry, Mathematics and Material Science covered at ungergraduate engineering level. It will consist of 75 Objective type questions (Multiple choice with four response i.e. A,B,C and D) carrying a total of 75 marks. The question paper will be of 1 hour and 30 minutes duration.

M.E. Biotechnology

Eligibility Conditions:

Any candidate who has completed B.E .Biotechnology Engineering with at least 60% marks in aggregate from Panjab University or any other University recognized by Panjab University as equivalent thereto

Mode of admission:

Preference will be given GATE qualified candidates. Candidate appearing for PU-CET (PG) will be given admission if some seats will be left vacant after the GATE qualified candidates admissions.

Scheme of Test:

The question paper will be based on the syllabus of Biotechnology Engineering taught at undergraduate level in Panjab University Chandigarh. It will consist of 75 Objective type questions (Multiple choice with four responses i.e. A ,B C, and D) carrying a total 75 marks. The question paper will be of 1 hour and 30 minutes duration.

M. A. (B.E.) Master of Arts (Business Economics) (Semester System)

Eligibility Conditions

- (i) A Bachelor's/ Master's degree in any discipline of the University or a Degree of any other University which has been recognized by the Syndicate as equivalent thereto, with not less than 50% marks in the aggregate.

Or

- (ii) Pass in the final examination conducted by (a) The Institute of Chartered Accountants of India, (b) The Institute of Cost and Works Accountants of India and (c) the Institute of Company Secretaries of India.

Scheme of Test

The question paper of 1 hour 30 minutes duration will consist of 75 Objective Type Questions (Multiple Choice) with four responses i.e. A, B, C & D carrying a total of 75 marks. The standard of the question paper shall be based on the latest syllabus prescribed for Bachelor's degree in Economics/Commerce of Panjab University (1st, 2nd and 3rd year together).

MEFB (Master of Entrepreneurship and Family Business) (Semester System)

Eligibility Conditions

- (i) A Bachelor's/Master's degree in any discipline of the University or a Degree of any other University which has been recognized by the Syndicate as equivalent thereto, with not less than 50% marks in the aggregate.

Or

- (ii) A pass in the final examination conducted by (a) The Institute of Chartered Accounts of India, (b) The Institute of Cost and Works Accountants of India and (c) The Institute of Company Secretaries of India.

Scheme of Test

The question paper of 1 hour 30 minutes duration will consist of 75 Objective Type Questions (Multiple Choice) with four responses i.e. A, B, C & D carrying a total of 75 marks. The question paper will include questions related to General Knowledge, Verbal/Reasoning ability, Data interpretation and Commerce/Economics.

M.Com. (Honours) (Semester System)

Eligibility Conditions

- a) B. Com. / B. Com. (Hons.) / BBA with not less than 45% marks in the aggregate.
Or
- b) B. Com. (Hons.) Degree with not less than 45% marks in the aggregate
Or
- c) A graduate with Honours in Economics or Mathematics or Statistics or Commerce with not less than 45% marks in the aggregate;
Or
- d) A graduate with 50% marks in the aggregate having offered either Economics, Mathematics, Statistics, Commerce, Computer Application, Information Technology or Computer Science as a subject in the examination. Provided that in case of candidates having Bachelors degree of the University through Modern Indian Languages [Hindi/Urdu/Punjabi(Gurmukhi Script)] and/or in a classical language (Sanskrit/Persian/Arabic) or degree of any other University obtained in the same manner recognized by the Syndicate; 50% marks in the aggregate shall be calculated by taking into account full percentage of marks in all the papers in Language excluding the additional optional papers, English and Elective subject taken together.
Or
- e) A pass of the Final examination conducted by the Institute of Chartered Accountants of India or England/Institute of Cost and Works Accountants of India or England/Institute Company Secretaries of India;
Or
- f) Any other qualification recognized by the Syndicate for this purpose.

Provided that a candidate who seeks admission on the basis of qualifications mentioned in I, (d), (e) above shall be required to qualify within one year from the date of Admission (either with Semester-I examination or with Semester-II examination) in a special examination in two paper (s) on (i) Commercial and Taxation Laws and (ii) Accounting and Auditing, in accordance with the Syllabus as may be prescribed by the Senate. Further that the maximum marks shall be 100 in each paper and the pass marks shall be 35% as in B.Com examination. There shall be no internal assessment in these papers and marks in these papers will not be counted for the Semester Examination.

Scheme of Test

The Entrance Test of 1 hour 30 minutes duration shall comprise of one paper of 85 multiple choice (having four responses A, B, C & D) objective type questions of one mark each in the area of Accounting, Management, Laws and Economics.

Merit list

The admission will be made on the basis of the Entrance Test (85% weightage), Group Discussion (7.5% weight age) and Personal Interview (7.5% weightage). The result of the Entrance Test, however, will not be sent to the candidates but will be conveyed confidentially to the Chairman, University Business School (UBS) who will compile comprehensive result after the Group Discussion and Interview and notify the same on the department's notice board.

Note:

- (a) The number of candidates to be called for Group Discussion and Personal Interview will be equal to eight times the total number of seats of the course in each category or the actual number of eligible candidates whichever is lower;
- (b) Attendance in Group Discussion and Personal Interview is a must. If any candidate does not attend any one of the components, GD or PI, his / her candidature shall stand cancelled.

M.Com (Business Innovations) (Semester System)

Eligibility Conditions

The Entrance Test for M.Com (Business Innovations) shall be open to all such candidates who possess the qualifications as mentioned below:

- (a) A Bachelor's degree in Commerce (B.Com) or Business Administration (B.B.A) with not less than 45% marks in the aggregate; OR
- (b) B.Com (Hons.) Degree with not less than 45% marks in the aggregate; OR
- (c) A graduation with Honours in Economics OR Mathematics OR Statistics OR Commerce with not less than 45% marks in the aggregate; OR
- (d) A graduation with 50% marks in the aggregate in any other discipline of the University or a degree of any other University which has been recognized by the Syndicate as equivalent thereto. Provided that in case of candidates having Bachelor's degree of the University through Modern Indian Languages (Hindi/Urdu/Punjabi/Gurmukhi script) and / or in a classical language (Sanskrit/Persian/ Arabic) or degree of any other University obtained in the same manner recognized by the Syndicate. 50% marks in the aggregate shall be calculated by taking into account full percentage of marks in all the papers in Language excluding the additional optional paper, English and the elective subject taken together;
- (e) A pass in the final examination conducted by the Institute of Chartered Accountants of India or England/ Institute of Cost Accountants of India or England;
- (f) A pass in the final examination conducted by the Institute of Company Secretaries of India; OR
- (g) Any other qualification recognized by the Syndicate for this purpose.

Scheme of Test:

The Entrance Test of 1 hour 30 minutes duration shall comprise one paper of 75 marks containing 75 Objective Type questions of multiple choices (having four responses A, B, C & D) carrying one mark each.

The Breakup of questions shall be as follows:

- | | |
|--------------------------|--------------|
| 1. General Knowledge | 15 Questions |
| 2. Business Aptitude | 20 Questions |
| 3. Quantitative Aptitude | 20 Questions |
| 4. Test of Reasoning | 20 Questions |

Merit

Admission to M.Com (Business Innovation) at S.C.D. Government College, Ludhiana shall be on the basis of the entrance test (Weightage 50%), and qualifying examination (Weightage 50%).

MBACIT (Master in Business Administration, Commerce and Information Technology) (Semester System)

Eligibility Conditions

BA /B.Sc. / B.Com. / any other Graduation Degree with 50% from Panjab University or any other University recognized by the Syndicate as equivalent thereto.

Scheme of Test

The question paper of 1 hour 30 minutes duration will consist of 75 Objective Type Questions (Multiple Choice) with four responses i.e. A, B, C & D carrying a total of 75 marks. The question paper will include 15 questions each on subject knowledge of Commerce, Economics, IT, Verbal ability/Reasoning and General awareness.

Master of Business Administration for Executives (MBAfEX)

Eligibility Conditions:

The minimum qualification for admission to the first semester of the course shall be .

- (i) A Bachelor's or Master's Degree in any discipline with not less than 50% marks in the aggregate or any other examination with 50% marks recognized by the University as equivalent thereto;

OR

A pass in the final examination conducted by the Institute of Chartered Accountants of India or England / Institute of Cost Accountants of India or Chartered Institute of Management Accountants of England / Institute of Company Secretaries of India;

OR

Diploma in Personnel Management and Labour Welfare or Diploma in Marketing Management with not less than 60% marks in the aggregate, provided the candidate holds a Bachelor's degree.

- (ii) Two years whole time executive experience in a commercial or industrial establishment after having passed the qualifying examination as given above. Members of All India or State Administrative / Technical Services and Defence Personnel holding administrative positions with not less than two years of executive experience will also be eligible. Organizational sponsorship is essential.

Scheme of Test:

The Entrance Test will carry 85 marks and will be of 1 hour 30 minutes duration. It will consist of 85 multiple-choice questions of one mark each and having four responses A, B, C & D. The components of the test will include: General Knowledge; Economics and Business Environment Awareness; Data interpretation and problem solving; Numerical Ability; Verbal Ability/ Reasoning and English Comprehension.

Merit List

The admission will be made on the basis of the Entrance Test (85% weightage), Group Discussion (7.5% weightage) and Personal Interview (7.5% weightage). The result of the Entrance Test, however, will not be sent to the candidates but will be conveyed confidentially to the Chairman, University Business School (UBS) who will compile comprehensive result after the Group Discussion and Interview and notify the same on the department's notice board.

Master of Physical Education (M.P.Ed.) (Two-Year Course/Semester System)

Eligibility Conditions

A person who has passed/appeared in any one of the following examinations:

- a) Bachelor of Physical Education (B.P.Ed.) or equivalent with at least 50% marks.

OR

Bachelor of Science (B.Sc. in Health and Physical Education) with at least 50% marks.

- b) The reservation in seats and relaxation in the qualifying marks for SC/ST/OBC/PWD and other categories shall be as per the rules of the Central Government/ State Government whichever is applicable.
- c) Any other qualification recognized by the Syndicate as equivalent to (a) and (b).

Admission Procedure

Admission shall be made on merit on the basis of marks obtained in the entrance examination (written test, fitness test, interview and percentage of qualifying examination) as per the policy of Panjab University.

Scheme of Test

The Entrance Test of 1 hour 30 minutes duration shall comprise one paper of 75 marks, containing 75 Objective Type questions of multiple choices (having four responses A, B, C & D) carrying one mark each. Questions will be based on the following three areas of Physical Education and Sports: (a) Aptitude (b) General Knowledge (c) Reasoning Ability.

**Bachelor of Physical Education (B.P.Ed.)
(Two-Year Course/ Four Semester System)**

Eligibility Conditions

A person who has passed/appeared in any one of the following examinations:

- a) Bachelor's Degree in any discipline with 50% marks and having at least participation in the Inter-College/Inter-Zonal District/School competition in sports and games as recognized by the AIU/IOA/SGFI/Govt. of India;

OR

Bachelor's Degree in physical education with 45% marks;

OR

Bachelor's Degree in any discipline with 45% marks and studied physical education as compulsory elective subjects;

OR

Bachelor's Degree with 45% marks and having participated in National / Inter University / State competitions or secured 1st, 2nd or 3rd position in Inter College / Inter-Zonal /District / School competition in sports and games as recognized by the AIU/ IOA/SGFI/Govt. of India;

OR

Bachelor's degree with participation in International competitions or secured 1st, 2nd or 3rd position in National / Inter-University competition in sports and games as recognized by respective federations / AIU/ IOA/SGFI/Govt. of India;

OR

Graduation with 45% marks and at least three years of teaching experience (for deputed in-service candidates i.e. trained physical education teachers / coaches)

- b) The relaxation in the percentage of marks in the qualifying examination and in the reservation of seats for SC/ST/OBC and other categories shall be as per the rules of the Central Government / State Government, whichever is applicable.
- c) Any other qualification recognized by the Syndicate as equivalent to above points.

Scheme of Test

The Entrance Test of 1 hour 30 minutes duration shall comprise one paper of 75 marks containing 75 Objective Type questions of multiple choices (having four responses A, B, C & D) carrying one mark each. Questions will be based on the following three areas of Physical Education and Sports: (a) Aptitude (b) General Knowledge (c) Reasoning Ability

**M.Sc. (Hons. School) Biochemistry, Biophysics, Biotechnology, Botany,
Chemistry, Mathematics, Physics, Physics & Electronics and Zoology
(Semester Systems)**

Eligibility Conditions

B.A./ B. Sc. (Pass or Honours) examination with 50% marks (45% marks in case of SC/ST/BC) of the Panjab University or any other examination recognized by the Panjab University as equivalent thereto with the subject desirous of seeking admission in M.Sc. (Honours School) Course as an elective subject for three years. For Entrance Test to **M. Sc. (Hons. School) Mathematics** B.A. /

B. Sc. (General) with Mathematics from the colleges affiliated to Panjab University or from other Universities as recognized by the Panjab University.

The candidates who are already students of Panjab University Teaching Department and have passed/appeared/appearing in the B.Sc. (Honours School) final examination of the University during the current session in the relevant subject are not required to appear in the **M.Sc. (Honours School) Admission Entrance Test**. Their admission to the course shall be governed by the relevant rules and regulations of the University.

For M.Sc. (Hons. School) Biophysics:- B.Sc.(H.S.) in Biophysics of Panjab University or B.Sc/B.Sc.(Hons.) in Biophysics/ Bioinformatics / Biotechnology of the Panjab University or any other examination recognized as equivalent or B.Sc. with i) Physics, ii) Chemistry and iii) any one of the subject from life sciences during all the three years of the graduation.

For M.Sc. (Hons. School) Chemistry:- B.Sc. examination with (i) Chemistry (ii) Physics (iii) Mathematics or any other science subject during all the three years of graduation with 50% marks (45% marks in case of SC/ST/BC).

For M.Sc. (Hons. School) Biotechnology:- B.Sc. Biotechnology with 50% marks or B.Sc. (50% marks) with Biotechnology as Elective/Vocational/ Add on subject (studied for 3 years) are eligible. The candidates seeking admissions in M.Sc. Biotechnology should fill separate forms in colleges offering M.Sc. course in Biotechnology.

Note: B.Sc. (MLT) Course has not been made equivalent to B.Sc. (Hons. School) Biochemistry of Panjab University.

No Centralised counselling will be done.

Scheme of Test

The question paper will be on the concerned subject for which the admission to M.Sc. (Honours School) is being sought by the candidate. It will consist of 75 Objective Type Questions (Multiple Choice with four responses i.e. A, B, C & D) carrying a total of 75 marks. The question paper will be of 1 hour 30 minutes duration. The standard of the question paper shall be based on latest syllabus prescribed for Bachelor's degree of Panjab University (1st, 2nd and 3rd year together) in the relevant subject

M.Sc. (Hons. School) Computer Science

Eligibility Conditions

BCA/B.Sc. (Hons. School) in Computer Science/ B. Tech. / B.E. (Computer Science/ Engineering) or any other examination recognized as equivalent thereto with 50% marks.

Scheme of Test

The Entrance Test will be of 75 marks. It will be of 1 hour 30 minutes duration consisting of 75 multiple choice questions of Computer Science subject at the level of examinations as mentioned in the eligibility conditions.

M.Sc. (Two Year Course) Bioinformatics, Biotechnology, Botany, Physics, Chemistry, Medical Physics, Nuclear Medicine and Zoology (Semester Systems)

Eligibility for different courses

Bioinformatics:

Bachelor's degree in Science (General or Honours) with Bioinformatics, Biotechnology, Biochemistry, Biology, Botany, Chemistry, Electronics, Genetics, Life Science, Mathematics, Mathematics & computing, Microbiology, Physics, Statistics, Zoology, Agriculture, computer Science, Engineering, Medicine, Pharmacy and Veterinary Science with at least 50% marks (45% for candidates belonging to SC/ST/BC category).

Biotechnology:

Bachelor's degree (under the 10+2+3 pattern of Education) in Physical, Biological, Pharmaceutical, Agricultural, Veterinary or Fishery Sciences or Bachelor's degree in Engineering/ Technology, Home Science, Medicine (MBBS) from any University/ Institute recognized by the Panjab University. The candidate must have obtained at least 55% marks at the Bachelor's degree level.

Botany:

B.Sc. pass with Botany having at least 50% marks in the aggregate from Panjab University or from any other University recognized by Panjab University Syndicate as equivalent thereto.

Physics:

- a. B. Sc. Honours School examination of the Panjab University in the subject of M. Sc. Course
- b. B. Sc. Examination of the Panjab University or any other University recognized by Syndicate securing at least 50% marks in aggregate and with Physics & Mathematics for M.Sc. Physics Course and with Chemistry & Mathematics for M. Sc. Chemistry course along with anyone of the following subjects:-
Biochemistry, Botany, Chemistry, Geology, Physics, Statistics, Zoology

Provided that a student who had not taken Mathematics as one of the subjects in B. Sc. Examination may be admitted to M.Sc. (2-Year Course) in Chemistry on the condition that he / she passes an additional paper in Mathematics (50 hour course) in the first year examination securing at least 40% marks.

- c. Awarded B. Sc. Pass degree under the old B. Sc. Honours School regulations by the Syndicate on the recommendation of the Board of Control:
- d. B. Sc. Honours School examination in the subject of the M. Sc. From any other University recognized by the Syndicate as equivalent to (a);

Chemistry:

- a. B.Sc. examination of the Panjab University or any other University recognized by the Syndicate securing at least 50% marks in aggregate and with Chemistry & Mathematics for M.Sc. Chemistry course along with any Science subject.

Provided that the student who had not taken Mathematics as one of the subjects in B.Sc. examination may be admitted to M.Sc. (2 year course) in Chemistry on the condition that he/she passes an additional paper in Mathematics (50 hours course) in the first year examination securing at least 40% marks.

- b. B.Sc. Pass Degree under the old B.Sc. Honours School regulations awarded by the Syndicate on the recommendation of the Board of Control in the subject of M.Sc. course.
- c. B.Sc. examination with 50 per cent marks in aggregate from any other University recognized by the Syndicate as equivalent to (a).
- d. B.Sc. (Honours) examination of Panjab University or of any other University (recognized as equivalent thereto) in the subject of M.Sc. course.

Medical Physics

Admission to M.Sc. Course in Medical Physics will be B.Sc. (Regular course) first class with Physics as core subject (studied for three years) and Mathematics as one of the subjects (studied for minimum two years) from a recognized university. The candidates who studied B.Sc. through correspondence and open university stream are not eligible.

Course duration is 3 Years (2 Years teaching + 1 year internship).

The entrance test for Physics, Physics & Electronics and Medical Physics will be common.

Nuclear Medicine:

B.Sc. with at least 50% marks in the aggregate from Panjab University or from any other University recognized by the Syndicate or equivalent thereto with Physics and Chemistry (non-medical stream) or Chemistry and Biology (Medical stream) as Core subjects. Candidates having B.Sc. in Nuclear Medicine/biophysics/ Radiation Sciences shall also be eligible for admission to the course.

Zoology:

B.Sc. with Zoology having at least 50% marks in the aggregate from Panjab University or from any other University recognized by the Syndicate as equivalent thereto.

Scheme of Tests for above courses

The scheme of the test for admission to M. Sc. (Two Year Courses) as given above offered at different colleges affiliated to Panjab University will be same as applicable for M. Sc. (Hons School) in the respective subjects except Bioinformatics. The candidates may be admitted to M.Sc. (Hons. School) at Panjab University Campus or affiliated colleges on the basis of final merit lists.

For M.Sc. Bioinformatics: The question paper will consist of 75 objective type questions (Multiple choice with four responses i.e. A, B, C & D) carrying a total of 75 marks. The question paper will be of 1 hour 30 minutes duration. The syllabi and standard for the question paper shall be the one as currently prescribed for Bachelor's Degree of Panjab University (1st, 2nd and 3rd year together).

M. Sc. Microbial Biotechnology (Two- Year Course) (Semester System)**Eligibility Conditions**

Candidates having Bachelor's Degree in any field of Biological Sciences including Biotechnology are eligible.

Scheme of Test

The Entrance Test will be of 1 hour 30 minutes duration. It shall comprise 75 multiple-choice questions (with only one right answer) of one mark each. The questions will be based on fundamentals of Microbiology and Biotechnology.

**Master's Degree Programme in Environment Science
(Two-Year Course) (Semester System)****Eligibility Conditions**

Graduates from Science/Engineering stream or any other stream with Honours in Geography as one of the subjects from Panjab University or any other University recognized by Panjab University as equivalent thereto.

Scheme of Test

The Entrance Test will be of 1 hour 30 minutes duration. It shall comprise 75 multiple-choice questions (with only one right answer) of one mark each from the Botany, Chemistry, Geography,

Geology, Mathematics, Physics, Sociology, Statistics, Zoology and General Awareness subjects of graduation level. It shall attempt to test the intelligence, comprehension of the scientific principles and general knowledge expected of a science graduate.

M.Sc. (Human Genomics) (Two-Year Course) (Semester System)

Eligibility Conditions

B. Sc. (Pass or Honours) under 10+2+3 pattern examination of the Panjab University or any other examination recognized by the Panjab University as equivalent thereto in Physical, Chemical, Biological, Pharmaceutical Sciences or Medicine with at least 55% marks.

Scheme of Test

The Entrance Test will be of 75 marks. It will be of 1 hour 30 minutes duration consisting of 75 multiple choice questions (with only one correct answer) of 1 Mark each from six disciplines representing Physics, Chemistry, Mathematics, Biology, Pharmaceutical Sciences and Medicine.

M.Sc. (Systems Biology and Bioinformatics) (Two-Year Course) (Semester System)

Eligibility Conditions

Bachelor's degree in Science (General or Hons.) with Bioinformatics, Biotechnology, Biochemistry, Biology, Botany, Chemistry, Electronics, Genetics, Life Science, Mathematics, Mathematics & computing, Microbiology, Physics, Statistics, Zoology, Agriculture, Computer Science, Engineering, Medicine, Pharmacy and Veterinary Science with at least 50% marks (45% for candidates belonging to SC/ST/BC category).

Scheme of Test

The question paper will consist of 75 objective type questions (Multiple choice with four responses i.e. A, B, C & D) carrying a total of 75 marks. The question paper will be of 1 hour 30 minutes duration. The syllabi and standard for the question paper shall be the one as currently prescribed for Bachelor's Degree of Panjab University (1st, 2nd and 3rd year together).

GENERAL RULES

1. The result of the entrance test shall, *ipso facto*, not entitle a candidate to get admission in an institution/department/centre concerned where he/she intends to seek admission. It will be the responsibility of the candidate to make sure about his/her eligibility and fulfillment of such other conditions as may be prescribed for admission in the rules and regulations of University/Institution concerned. Merely because a candidate is allowed to appear in the entrance test does not mean that he/she is eligible and his/ her appearance therein will not stop or debar the university/ institution concerned from satisfying itself about his/her eligibility at any subsequent stage.

Notwithstanding anything contained in this prospectus, the eligibility conditions for admission to any particular course, shall be governed by the respective rules/regulations as enshrined in the P.U. calendar, volumes I, II and III (latest editions) and / or the general guidelines for admissions/ Handbook of Information-2016 issued by the university and / or decisions of the university senate/ syndicate. In case of any conflict or inconsistency between the prospectus on one hand and the aforesaid Panjab University rules and regulations/ guidelines / Handbook of Information-2016 / decisions of Senate/ Syndicate, on the other, the latter shall prevail.

2. The Entrance Test will be held only in **CHANDIGARH** on the scheduled dates.
3. A candidate desirous of taking the Entrance Test should submit his / her fee in any branch of State Bank of India using website generated challan latest by 13-05-2016 (Friday) upto 4:00 p.m.;
4. ***Last date for uploading of photograph, signature with rest of the information on the website is 16.05.2016 (Monday).***
5. No application form will be received under any circumstances after the closing of the last date i.e. 10-05-2016 (Tuesday).
6. In no case the fee for the PU-CET (P.G.) 2016, once paid, shall be refunded/ transferred / adjusted.
7. In case of Objective Type question papers, the candidates shall be required to answer questions on the OMR Answer-sheet provided for the purpose only following all the rules/ norms as stated on the Answer sheet. However, entrance test for admission to M.A. English and M.A. Journalism and Mass Communication shall not be on OMR sheet.
8. The Entrance Test shall be English only.
9. Thirty minutes extra would be given to the visually handicapped/ physically handicapped candidates (as approved by the Vice-Chancellor).
10. In case of Objective Type question papers, the candidates shall be required to hand-over the Question booklet and OMR Answer sheet to the Centre Superintendent.
11. The candidates shall be required to hand over their OMR answer-sheets and the question paper in full to the Centre Superintendent. No page/part of the Question paper/OMR Answer Sheet is to be removed/torn/taken out of the Examination Centre under any of the circumstances, failing which the candidates shall be disqualified from the entire Entrance Test.
12. ***The use of calculators is not allowed*** in any subject/paper.
13. The University will provide logarithmic table. Borrowing or bringing along the log table or other such material is not allowed.
14. If any candidate who submits two online application forms for the same Course his/her candidature shall be cancelled.
15. The candidates must bring their own stationary items such as **Black Gel Pen. Borrowing of material inside the Test Centre is strictly prohibited.**

16. In case of Objective Type question papers, **rough work** should be done in the space provided for this purpose. No rough work shall be done on the OMR Answer Sheet under any circumstances.
17. In case of Objective Type Question Papers having OMR sheets, **there shall be NEGATIVE MARKING FOR WRONG ANSWERS i.e. marks will be deducted for wrong answers.** If for each correct answer 1 mark is to be awarded, for a wrong answer $\frac{1}{4}$ mark will be deducted.
18. **There shall be no re-evaluation/re-checking/re-assessment of answer-sheets under any of the circumstances. Request for seeing the Question Booklet / answer-sheets/answer-books by the candidates shall not be entertained at all. The evaluation once done by the University shall be absolutely final.**
19. In case of Objective Type question papers, the candidate must ensure that the answers to the questions are attempted on the specifically prescribed OMR answer sheet only. No answer attempted on the question booklet will be considered for evaluation. Only those questions answered on the OMR sheet shall be taken into account.
20. Candidates securing equal marks will be bracketed together. Their *inter-se* merit will be determined by the institution to which they are seeking admission.
21. ***The candidates shall have to apply, within the prescribed time limit, directly and independently to the respective Institutions/Departments/Centers in which they want to seek admission. Application Forms along with the Handbook of Information will be available after advertisement of Admission Notice in the Newspapers.***
22. The admission shall be based on the relative merit of the candidates as determined by the marks obtained in the qualifying degree examination and the result of the Entrance Test being held in the year of admission, subject to such reservation and weightage as are prescribed in the rules of admission of the University Department/Institution/Centre concerned.
23. Carrying of any communication equipment such as **mobile phones / pager/ wireless set, scanner/ pen scanner/ camera or any such electronic / digital gadget etc** in the examination hall shall not be permitted and will lead to **disqualification**.
24. Candidates should not carry eatables, drinks etc. into the test centre. Smoking inside and around the Centre is not permitted.
25. Any candidate who creates disturbance of any kind during examination or otherwise misbehaves in or around the examination hall or refuses to obey the Superintendent/Deputy Superintendent/Assistant Superintendent /any other official on examination duty or changes his/her seat with any other candidate or occupies any seat, other than the one allotted to him/her shall be expelled from the examination hall. ***("Expulsion" for this purpose would mean cancellation of the Entire Entrance Test).*** The Centre Superintendent/Observer/any other authorized University Officer/Official shall be competent to expel a candidate from the examination centre.
26. Any candidate having in his possession or accessible to him/her paper/books or notes which may possibly be of any assistance to him or is found giving or receiving assistance, or copying from any paper/book or note or from anywhere else or allowing any other candidate to copy from his/her answer book or found writing on any other paper, questions set in the question paper, during examination or using or attempting to use any other unfair means or indulging in any kind of misconduct shall be expelled from the examination hall. ***("Expulsion" for this purpose would mean cancellation of the Entire Entrance Test).*** The Centre Superintendent/Observer/any other authorized University Officer/Official shall be competent to expel a candidate from the examination centre.
27. If any answer sheet of a candidate shows or it is otherwise established that he/she has received or attempted to receive help from any source in any manner or has given help or attempted to give help to any other candidate in any manner, the relevant answer-sheet shall be cancelled. The cancellation of the answer-sheet shall mean cancellation of all answer- sheets of the Common . Entrance Test. The decision of the Controller of Examinations, Panjab University, Chandigarh in this regard shall be final.

28. ***If a candidate writes his/her name or puts any kind of identification mark or discloses his/her identity by any method whatsoever on the cover or anywhere else in the Question Booklet/Answer Sheet, the same shall be treated as cancelled. The cancellation of the answer-sheet shall mean cancellation of all answer-sheets of the Entrance Test. The decision of the Controller of Examinations, Panjab University, Chandigarh in this regard shall be final.***
29. Any person who impersonates a candidate shall be disqualified from appearing in any University examination including this examination for a period of five years, if that person is a student on the rolls of a recognized School or College or University. But if the person is not on the rolls of a recognized School or College or University, he/she shall be declared as a person not fit and proper to be admitted to any examination of the University for a period of 5 years and the case, if necessary, shall also be reported to the police for any further action in the matter. The candidate who is being impersonated shall also be disqualified for a period of Five Years from appearing in any examination of this University apart from any other action which the University may take against him, as deemed fit
30. If it is found that a candidate has knowingly or willfully concealed or suppressed any information/fact which renders him/her ineligible to take the Entrance Test, his/her result of the Test as also admission to a Institution/Department/Centre of the University, if granted, shall stand cancelled and he/she shall have no claim whatsoever against the Institution/Department/Centre concerned and the case, if necessary shall be reported to the police.
31. In order to avoid bias, the result of the entrance test in case of such course like Masters in Journalism & Mass communication where weightage of performance in Interview and/ or Group discussion is to be added shall remain confidential till the process of compilation is not completed.
32. If a dispute or controversy of any kind arises before, during or after conduct of Entrance Test, the decision of the Controller of Examinations, Panjab University, in all such cases, shall be final.
33. ***The candidates shall be admitted to the test only on the production of the Admit Card at the Test Centre. No candidate shall be allowed to take the test without the Admit Card under any circumstances. The candidates must retain the admit card with them till the admission process is over, since it will be required again at the time of counseling.***
34. ***The Admit Cards will be issued to the candidates only provisionally, at their sole risk and responsibility subject to the final confirmation of their eligibility at the time of admission. It is further clarified that the candidates shall be taking the test at their own risk and responsibility as far as their eligibility is concerned and the University shall, in no way, be responsible if they are found to be ineligible, later, leading to cancellation of their result or any other consequence(s) emanating from the same.***
35. No candidate is allowed to leave the examination hall/room before the expiry of the time allotted for the respective paper.
36. The result of the PU-CET (P.G.) 2016 will be made available on the University website: <http://www.results.puchd.ac.in>.
37. "4-5" days after the test, the question papers and their keys will be put on the University website. The candidate can file their objections regarding discrepancies and accuracy of the key, in writing, within 48 hours of this announcement. The valid concerns thus expressed will be given due consideration while evaluation. If a candidate wishes to verify his/her result, he/she will be provided a photocopy of his/her answer sheet on payment of Rs. 10,000/- within 10 days after the declaration of the entrance test result and the office should process the whole procedure within three working days. In case, a discrepancy is found in the result of the candidate, the result would accordingly be revised and the fee deposited will be refunded.
38. The final date by which Roll No will be available online is 30.05.2016 (Monday). Admit Card required to be downloaded from the website by the candidate using their own Login and Password (provided while generating Bank Challan). **There will be no physical communication for this purpose.**

39. No separate Result Card will be issued.
40. **The following functionaries may be contacted only in case of extremely urgent enquiry from 9.00 a.m. to 5.00 p.m. (on working days only)**
- | | | |
|----|-------------------------------------|---------------------------------------|
| 1. | Assistant Registrar (C.E.T.) | 0172-2534829 |
| 2. | Controller of Examinations | 0172-2534811 |
| 3. | P.U., Main Enquiry | 0172-2534818, 2534819, 2534866 |
41. **Ragging in any form is banned in Educational Institutions. If a student is found to have indulged in Ragging, strict action including expulsion from the Institution will be taken against that student.**
42. **For Blind Candidate:** The maximum qualification of a writer for a blind candidate for the PU-CET (P.G.) entrance test is 10+2. The writer should not have passed the mentioned qualification more than one year prior to the examination. The candidate should contact the Assistant Registrar, CET Cell one week before the commencement of the entrance test to fulfill all the formalities for the writer.

INSTRUCTIONS FOR GIVING ANSWERS ON OMR ANSWER SHEET

- 1 All questions are to be attempted on the answer sheet as per instructions printed on the question booklet and OMR Answer Sheet.
- 2 **The Answer Sheet is designed for computer evaluation. Please follow the instructions given on the answer sheet strictly otherwise it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account i.e. not following the instructions completely shall be of candidate only.**
- 3 Each question is followed by four answer choices labeled A, B, C and D. Select the answer you think is the best response and darken the bubble bearing the correct response label against the serial number of the question. For example if you think that the answer to question number 2 is D, then mark as follows:

Q. 2 ☐A ☐B ☐C ☒D

The Answer marked as under shall be considered as wrong:

or or or or or

☒A ☐B ☐C ☐D ☐A ☒B ☐C ☐D ☐A ☐B ☒C ☐D ☐A ☐B ☐C ☒D ☐A ☐B ☐C ☒D ☐A ☒B ☐C ☐D

- 4 For marking answers **use Black Gel Pen only to darken the corresponding circles.**
- 5 *If you do not want to answer any question, leave all the bubbles corresponding to that question blank. It will be considered as an unattempted question.*
- 6 Be very careful in filling in the bubble in the first instance since erasing or changing it will spoil the response and go to the disadvantage of the candidate.
- 7 In order to open the Question Booklet remove the paper band gently.
8. **Write your Roll Number on the answer-sheet as also on the Question Booklet, only in the space provided for the purpose and at no other place in the question Booklet and Answer Sheet.**
9. The use of log tables is permitted, **use of Calculator is not allowed.**
10. **Rough work** should be done in the space provided for this purpose. No rough work shall be done on the OMR Answer Sheet under any circumstances.
11. Penalty for wrong answers (**Negative marking**) will be applied i.e. marks will be deducted for wrong answers. If for each correct answer 1 mark is to be awarded, for a wrong answer $\frac{1}{4}$ marks will be deducted. For example, these marks will be calculated as under:
P = Number of correct answers.
Q = Number of wrong answers
R = Number of unattempted questions
(An unattempted question means all the bubbles corresponding to that question are left blank).

It will also be checked that **$P + Q + R = \text{Total marks allotted to the Paper.}$**

Final Score = $P - \frac{1}{4} Q$ (calculated to the second place of decimal)

SAMPLE QUESTIONS

Sample Questions for LL.M.

Part – I: Constitutional Law and Current Affairs

1. The doctrine of 'Basic Structure' of the Constitution was propounded by the Supreme Court of India in
 - A) Shankari Prasad v. Union of India, AIR 1951 SC 458
 - B) Golaknath v. State of Punjab, AIR 1967 SC 1643
 - C) Kesavananda v. State of Kerala, AIR 1973 SC 1461
 - D) Minerva Mills v. Union of India, AIR 1980 SC 1789
2. The President of India may make a proclamation under Article 356 as to the breakdown of constitutional machinery in a State.
 - A) When he is personally satisfied as to the circumstances.
 - B) When he is advised by the Prime Minister to do so.
 - C) When he is advised by the Union Council of Ministers.
 - D) When he receives a report from the Chief Election Commission.
3. The President of India, in the matters of appointment of Judges of a High Court :
 - A) Is not obliged to consult any Judge of Supreme Court or High Court.
 - B) Is bound by the advice of the Governor of a State
 - C) Must give primacy to the opinion of the Chief Justice of India.
 - D) Is not bound to consult the Chief Justice of India.
4. Right to education has been included in the constitution by
 - A) 86th Amendment
 - B) 100th Amendment
 - C) 87th Amendment
 - D) 94th Amendment
5. Ordinance can be promulgated by the president of India if,
 - A) Both the Houses of Parliament are in session
 - B) Both the Houses of Parliament are not in session
 - C) Either of the Houses is not in session.
 - D) None of the above.
6. How many amendments have been carried out in constitution of India?
 - A) 109
 - B) 106
 - C) 99
 - D) 94
7. The tenure of Jammu and Kashmir Assembly is
 - A) 5 Years
 - B) 6 Years
 - C) 7 Years
 - D) None of the above
8. The attempt to suicide is no more punishable. Which section of the IPC was declared unconstitutional and hence void by the Supreme Court in April, 1994?
 - A) 302
 - B) 303
 - C) 304
 - D) 309
9. The newly elected President of USA Barack Obama belongs to which political party.
 - A) Republican
 - B) Democratic.
 - C) Communist
 - D) None of the above
10. Since August 1994, the rupee has been made fully convertible in :
 - A) The capital account
 - B) The capital and saving account
 - C) The saving account
 - D) The current account

Part– II: Substantive Law

Commercial Law (Law of Contract and Company Law)

1. A contract entered into without Free Consent is :
 - A) Void
 - B) Voidable
 - C) Valid
 - D) Illegal
2. Property insurance is a contract of :
 - A) Indemnity
 - B) Contingent contract
 - C) Wagering agreement
 - D) Guarantee
3. Creditor, on default by the principal debtor, can file suit against:
 - A) Secured property
 - B) Principal debtor alone
 - C) Surety and principal debtor;
 - D) All the above jointly.
4. A company is a Government Company only if :
 - A) All the shares of the company are held by Central or State Government;
 - B) At least 25% of Shares are held by Central or State Government;
 - C) Majority of Shares are held by Central or State Government or both;
 - D) Majority of Directors are appointed by the Central or State Government
5. Annual general meeting of a company is to be held with a gap between two consecutive meetings of successive years;
 - A) Of not more than twelve month;
 - B) Of not more than twenty four months;
 - C) Of not more than fifteen months;
 - D) Any time but less than twenty four months

Family Law

1. Which of the following is valid marriage under the Hindu Marriage Act. 1955?
 - A) H, a male Hindu aged 35 marries W who is a deserted wife of B, who had filed a suit for divorce and suit is still pending
 - B) H, a male Hindu aged 36 marries a second wife with the consent of his first wife who has not been able to have a child for the last 10 years
 - C) H, a Brahmin Male aged 30, marries a Buddhist girl aged 18
 - D) H, an idiot male Hindu aged 27 marries W, a Hindu female Lunatic
2. Which of the following is valid adoption under the Hindu Adoption & Maintenance Act, 1956?
 - A) H, a male Hindu aged 26 adopts a daughter aged 6
 - B) H, a male Hindu and his wife adopt a son aged 16
 - C) H, a male Hindu aged 40 adopted a son aged 5, after his natural born son migrated to the U.S.A.
 - D) H, a Hindu bachelor aged 25 adopts a son aged 3
3. Which of the following is Hindu under the Hindu Law?
 - A) A is born of Hindu father and Christian mother and brought up as a Christian
 - B) A is born of Hindu father and Buddhist mother
 - C) A is born of Muslim father and Parsi mother
 - D) A is born of Christian father and Muslim mother
4. Which of the following relatives will succeed to the Property of H, a Hindu male under the Hindu Succession Act 1956 after his death?
 - A) Daughter
 - B) Father
 - C) Brother
 - D) Sister
5. Which of the following is SAHI NIKAH (valid marriage) under the Mohammedan Law?
 - A) M, a Mohammedan male aged 30 married W, a Muslim woman undergoing Iddat
 - B) M, a Mohammedan male aged 27, married W, a Muslim woman in a desert, without any witness
 - C) M, a Mohammedan male aged 35, married his wife's sister
 - D) M, a Mohammedan male aged 41, married W, a Muslim female aged 21 as second wife without the consent and against the wishes of his first wife

Law of Torts

1. The defense of *Volenti non fit injuria* is available in :
 - A) Rescue cases
 - B) Help cases
 - C) Negligence cases
 - D) Unlawful acts
2. The test of reasonable foreseeability was laid down in :
 - A) Re Polemis case
 - B) Donoghue v. Stevenson
 - C) Rylands v. Fletcher
 - D) Ashby v. White
3. There is physical harm to the plaintiff in :
 - A) Assault
 - B) Defamation
 - C) Nervous shock
 - D) None of these
4. Malice/evil motive is relevant in :
 - A) Negligence
 - B) Defamation
 - C) Vicarious Liability
 - D) Nuisance
5. Tort is :
 - A) A wrong against the Society
 - B) Statutorily defined in the Limitation Act
 - C) A codified branch of law
 - D) A civil wrong based on the agreed obligations

Legal Theory

1. Who observed that International Law is the vanishing point of jurisprudence?
 - A) Austin
 - B) Salmond
 - C) Starke
 - D) Holland
2. Identify the Jurist who defined Law as 'the form of the guarantee of the conditions of life of society, assured by the states power of constraint':
 - A) Roscoe Pound
 - B) Holmes
 - C) Ihering
 - D) Salmond
3. Realist theory of law emphasizes on:
 - A) Social function of law
 - B) Human factors in law
 - C) Social criterion of validity of law
 - D) Essentiality of law for social life
4. According to Hohfeld, the jural opposite of 'Power' in the context of his analysis of legal right in the wider sense is :
 - A) Liability
 - B) Disability
 - C) Duty
 - D) Immunity
5. Possession is said to be ownership on the defensive by :
 - A) Savigny
 - B) Salmond
 - C) Ihering
 - D) Gray

Public International Law

1. International Law may be defined in broad terms as the body of general principles and specific rules which are binding upon the members of the international community in their mutual relations:
 - A) Oppenheim
 - B) Lawrence
 - C) Brierly
 - D) Fenwick
2. The duties and rights of the States are only the duties and rights of men who compose them:
 - A) Kelsen
 - B) Westlake
 - C) Hall
 - D) Starke
3. A State is, and becomes an international person, through recognition only and exclusively:
 - A) Oppenheim
 - B) Anzilotti
 - C) Holland
 - D) Pitt Corbett
4. The rebus sic stantibus doctrine is one of the enigmas of International Law+ who said:
 - A) Starke
 - B) Edward Collin
 - C) Oppenheim
 - D) Anzilotti.
5. From the theoretical point of view, the provision for applying the General Principles of Law has been regarded as sounding the death-knell of positivism:
 - A) Lauterpacht
 - B) C.C.Hyde
 - C) Starke
 - D) Triepel

Indian Penal Code

1. P, a Pakistani, fires at A, an Indian, standing on the no-man's land. A runs and dies on the Indian territory:
A) P has committed no offence
B) P is liable for murder
C) P is liable for attempt to culpable homicide
D) P is liable for attempt to grievous hurt.
2. With an intention to kill B administers sugar mistaking it for arsenic :
A) P has committed no offence
B) P is liable for attempt to murder
C) P is liable for culpable homicide
D) P is liable for grievous hurt.
3. P intentionally gives a sword cut to A. A subsequently dies of septic meningitis which developed on account of use of wrong remedies and neglect of treatment:
A) P is liable for murder
B) P is liable for culpable homicide
C) P is liable for grievous hurt
D) P is liable for simple hurt
4. P, a stoutly built man comes with a lathi in his hand. P picks up the bag of A who being weak person does not resist :
A) P is liable for theft
B) P is liable for robbery
C) P is liable for extortion
D) None of the above
5. P threatens A with a pistol and puts his hand in A's pocket which is empty :
A) P has committed no offence
B) P is liable for attempt to theft
C) P is liable for attempt to robbery
D) P is liable for attempt to extortion

Transfer of Property Act

1. Which of the following is a non-transferable property under the T.P. Act:
A) Actionable claim
B) Mortgagee's right to redeem
C) Lessee's right under the lease
D) Right of an occupancy tenant
2. The Supreme Court has held, that the rule of *lis pendens* equally applies to involuntary transfers, in the case of
A) Kedar Nath Vs. Sheo Narain AIR 1970 S.C. 1717
B) Narayana Rao Vs. Basavarajappa AIR 1956 S.C. 727
C) Vidhyadhar Krishnarao Mungi Vs. Usman Gani Saheb AIR 1974 S.C. 685
D) Beepathuma Vs. Velasari Shankra-Narayana Kadambolihaya AIR 1965 S.C. 241
3. Where a mortgagor personally binds himself to repay; the mortgage money by a certain date and possession of the property is delivered to the Mortgagee, the mortgage shall be recognized as :
A) Simple mortgage
B) English mortgage
C) Usufructuary mortgage
D) Anomalous mortgage
4. The Transfer of Property Act applies to transfers :
A) By operation of Law
B) By act of parties
C) By the Government
D) By parties who are Muslims
5. The rule that every transaction involving transfer of property is to be treated as single unit is the basis of
A) The rule of apportionment
B) The rule of *lis pendens*
C) The rule of election
D) The rule of contribution

Industrial Disputes Act

1. The Industrial Disputes Act, 1947 aims at :
A) Providing social security benefits to the workmen
B) Regulating conditions of work in industries
C) Investigation and settlement of industrial disputes
D) Regulating the employment of women during certain periods
2. Retrenchment means :
A) Refusal by an employer to continue to employ a workman
B) Termination by the employer of the service of a workman for any reason whatsoever
C) Inability on the part of employer to provide employment to the workman
3. The power of the Appropriate Government under Section 10 to refer industrial disputes for adjudication is :
A) An administrative power
B) Legislative power
C) Judicial power
D) Quasi-judicial power
4. Lockout is :
A) For trade reasons
B) An act on the part of employer taken to coerce or pressurize the labour
C) Not an intentional act
D) Not concerned with industrial dispute
5. Strike means :
A) Mere cessation of work
B) Cessation of work under common understanding

D) Voluntary retirement of a workman

C) Cessation of work coupled with
gherao of management

D) Slowing down production

Sample Questions for Master of Computer Applications (MCA)

1. Which of the following is NOT a language processor?
A) Compiler
B) Loader
C) Interpreter
D) Assembler
2. Which of the following is NOT an Internet protocol?
A) LTP
B) SMTP
C) HTTP
D) ATM
3. The sequence that is in ascending order in size is
A) bit, word, byte, nibble
B) nibble, byte, bit, word
C) nibble, bit, word, byte
D) bit, nibble, byte, word
4. Total number of ways in which four boys and three girls can sit in a row so that boys and girls have alternate seats is
A) 72
B) 144
C) 288
D) 720
5. If the word MANMOHANWASHERE corresponds to ZOAABVNBJOFRFR, then the word that corresponds to LRF is
A) HEY
B) MAN
C) GOT
D) YES
6. Two persons Ram and Shyam sort the letters at constant rate. Ram sorts L letters in 60 minutes while Shyam takes 30 minutes to sort L letters. The total time taken by both of them in sorting L letters working together but independently is
A) 10 min
B) 20 min
C) 15 min
D) 45 min
7. The remainder obtained on dividing 2^{1680} by 1763 is
A) 1
B) 3
C) 13
D) 31
8. The area bounded by the curve $y = (x+1)^2$, its tangent at (1, 4) and the x-axis is
A) $1/3$
B) $2/3$
C) 1
D) $4/3$
9. The median of 25,13,4,6,3,11,15,10 is
A) 4.5
B) 6.0
C) 10.5
D) 5.0

Sample Questions for M.A. Journalism and Mass Communication

1. Write about 150 words each on any two of the following: (16 Marks)
- American Presidential elections
 - Budget 2008-09
 - Patriotism in Indian Cinema
 - Beijing Olympics 2008

2. Rewrite the passage in 200 words: (8 Marks)

It was a cold, windy, stormy, night where the wind was blowing very strongly. The driver of the truck was driving very fast on the wet road at a speed of over 150 km per hour. He did not see the branch of the tree lying on the wet road until he was almost upon it. He braked very hard. Because he braked very hard, the tyres skidded and he lost control and the truck crashed into the ditch on the side of the road.

Eye witnesses said that the truck was being driven at very high speed because of which the driver lost control. Fortunately no one was killed. The driver escaped with minor injuries as he managed to jump out of the truck before it turned turtle into the ditch.

Other than the fact of over speeding, blame can also be placed at the hands of the municipal authorities. The trees lining the stretch of the main road running through the city is lined by trees that are over a 100 years old. What compounds the problem is that these trees are not pruned and they are a source of danger not only to vehicles but also the pedestrians. Many representations have been made to the authorities to uproot these old trees that are many decades old and to replace them with young saplings, particularly of a species that has hard wood.

There is also no check post on this part of the road to check over speeding. This can prove dangerous especially on days that the weather is bad as people tend to drive very fast here as the stretch of the road here is straight and wide and people tend to over speed here. Also the streetlights also do not function always causing many accidents.

3. Write about 150 words each on two of the following: (16 Marks)
- Dr. Manmohan Singh
 - Young Turks in Indian Politics
 - Your role model
 - Sachin Tendulkar

4. English Comprehension: (4 x 5 Marks)
- (I). Use the following words in sentences: (5 marks)
- Criterion
 - Fallacious
 - Discrepancy
 - Voluble
 - Appease

- (II). Use the following idioms/phrases in sentences: (5 marks)
- Success is somebody else's failure
 - To be or not to be
 - A moot point
 - The pros and cons
 - Every cloud has a silver lining

- (III). If an underlined word or phrase is incorrect, choose that letter; if the sentence is correct, select No error. (5 marks)

- The region has a climate so severe that plants growing there rarely had been more than twelve inches high. No error.

A
B
C
D
E
- We admired his many attempts bravely to enter the burning building. No error.

A
B
C
D
E
- We must regard any statement about this controversy, whatever the source, as gossip until they are confirmed. No error.

A
B
C
D
E
- She is the only one of the applicants who are fully qualified for the position. No error.

A
B
C
D
E

5. That book is liable to become a bestseller because it is well written, full of suspense and very entertaining. No error.
- A B C
D E

- (III). Tick one of the options for filling in the blanks in each sentence: (5 marks)
1. In giving a speech, the speaker's goal is to communicate ideas clearly and _____, so that the audience will be in no _____ about the meaning of the speech.
A) effectively ò haste
B) indirectly ò distress
C) unambiguously ò confusion
 2. The commission of inquiry censured the minister for his _____ expenditure of public funds, which they found to be _____.
A) improper ò vindicated
B) lavish ò unjustifiable
C) arbitrary ò critical
 3. Pain is the body's early warning system: loss of _____ in the extremities leaves a person _____ injuring himself unwittingly.
A) agony ò incapable of
B) feeling ò habituated to
C) sensation ò vulnerable to
 4. Fortunately, she was _____ her accomplishments, properly unwilling to _____ them before her friends.
A) deprecatory about ò flaunt
B) excited by ò parade
C) uncertain of ò concede
 5. Although its publicity has been _____, the film itself is intelligent, well-acted, handsomely produced and altogether _____.
A) tasteless ò respectable
B) perfect ò spectacular
C) sophisticated ò amateur

5. Interpretative passage (5 Marks)
- The most curious fact about the detective story is that it makes its greatest appeal precisely to those classes of people who are most immune to other forms of daydream literature. The typical detective story addict is a fairly successful professional man with intellectual interests and well read in his own field, who would never read gossip movie magazines or comics. It is sometimes said that detective stories are read by respectful, law-abiding citizens in order to gratify, in fantasy, the violent wishes they dare not translate into action, but it is quite false. Detective fiction is a work of art where the author skillfully holds the attention of the reader, never letting him be sure, making him suspect every character by turn, until the last page, where the real culprit is revealed. All classics in detective fiction, *Crime and Punishment*, *The Trial* etc. are examples of this. Of course, there is pulp literature also where the authors just churn out cheap stories based on a standard formula of sex, blood and violence.

- I) The word 'curious' in line 1 means:
A) Inquisitive
B) Unusual
C) Prying
- II) The author asserts that readers of detective fiction are:
A) People bent on satisfying an unconscious thirst for blood
B) Dreamers unable to face the monotony of everyday reality
C) Believers in a story well told
- III) The opening paragraph suggests that the author considers movie magazines and comics to be:
A) Sources of factual data about society
B) Less addictive than detective fiction
C) The typical literary fare of professionals
- IV) The author's attitude to detective fiction can best be described as:
A) Profound veneration
B) Genuine appreciation
C) Aloof indifference
- V) The author emphasizes classic detective fiction as one that is:
A) Free of cheap gimmicks
B) Marked by suspense
C) Moves in a chronological manner

SAMPLE QUESTIONS FOR MASTER OF PUBLIC HEALTH

- Q1) Which is the source of Chlorofluorocarbons?
A. Thermal Power Plants
B. Automobiles
C. Refrigeration and Air . conditioning
D. Fertilizers
- Q2) Among cereals and millets richest source of calcium is:
A. Rice
B. Bajra
C. Maize
D. Ragi
- Q3) Bissinosis is common in:
A. Farmers
B. Textile Industry
C. Gold mine
D. Cement factory
- Q4) The most populous state in India is:
A. Uttar Pradesh
B. Bihar
C. Madhya Pradesh
D. Kerala
- Q5) A doctor suggested to a couple not to have more than one child because of
A. Rh+ male Rh- female
B. Rh- male Rh+ female
C. Rh+ male Rh+ female
D. Rh- male Rh- female
- Q 6) Acquired immunity is found in
A. Invertebrates
B. Vertebrates
C. Some Invertebrates
D. Both vertebrates and invertebrates
- Q 7) The incubation period of rabies ranges from .
A. 1 to 2 days
B. 3 to 4 days
C. 5 to 6 days
D. 10 days to 1 year
- Q 8) At birth immunization required is
A. BCG and OPV-O
B. DPT-1
C. DPT-1 and OPV-1
D. Measles
- Q9) Anthracosis is caused due to
A. Coal Dust
B. Silica
C. Fe
D. Tobacco
- Q 10) Gini Index is associated with
A. Distribution of diseases
B. Distribution of Income
C. Distribution of deaths
D. Distribution of pollutants

SAMPLE QUESTIONS FOR M.A. (English)

- I. The writing tasks given below will help us assess your proficiency in organizing your thoughts and presenting them in a coherent manner. Please complete the task below within 250-300 words, writing at least two paragraphs:

Social networking is the lifeline of the younger generation but some older people feel that it is a waste of time. What is your opinion about social networking? State YOUR view clearly, giving episodes or ideas from your own experience.

OR

Focus in basic education is currently shifting towards a skill-based rather than a knowledge-based model. Do you think this shift will be productive in the long run? Give your opinion on the changes that you see in the Indian system of education.

- II. Attempt a critical appreciation of the poem given below:

FUNERAL BLUES

Stop all the clocks, cut off the telephone,
Prevent the dog from barking with a juicy bone,
Silence the pianos and with muffled drum
Bring out the coffin, let the mourners come.

Let aeroplanes circle moaning overhead
Scribbling on the sky the message. He is Dead,
Put crepe bows round the white necks of the public doves,
Let the traffic policemen wear black cotton gloves.

He was my North, my south, my East and West,
My working week and my Sunday rest,
My noon, my midnight, my talk, my song;
I thought that love would last forever: I was wrong.

The stars are not wanted now; put out every one,
Pack up the moon and dismantle the sun,
Pour away the ocean and sweep up the woods;
For nothing now can ever come to any good.

OR

The World is too much with us

The world is too much with us; late and soon,
Getting and spending, we lay waste our powers:
Little we see in Nature that is ours;
We have given our hearts away, a sordid boon!
This Sea that bares her bosom to the moon;
The winds that will be howling at all hours,
And are up-gathered now like sleeping flowers;
For this, for everything, we are out of tune,
It moves us not. - Great God! I'd rather be
A Pagan suckled in a creed outworn;
So might I, standing on this pleasant lea,
Have glimpses that would make me less forlorn;
Have sight of Proteus rising from the sea;
Or hear old Triton blow his wreathed horn.

- III. Answer any FOUR in 50-100 words each:
- The difference between heroic and mock heroic modes
 - The hallmark of eighteenth century satire
 - Some of the features of comedy of manners
 - What were the reasons for the rise of the novel?
 - Why did modern poets choose to write free verse?

SAMPLE MULTIPLE CHOICE QUESTIONS FOR M.A. (GEOGRAPHY)

1. The temperature of Thiruvananthapuram is lower than that of Mumbai in May and higher than that of Mumbai in January because:
 - A) Thiruvananthapuram has a cold current and Mumbai a warm current
 - B) Thiruvananthapuram has higher rainfall in summer and it is closer to the equator.
 - C) Thiruvananthapuram is on the windward side and Mumbai is on the leeward side.
 - D) Thiruvananthapuram is thickly vegetated while Mumbai is not
2. Which of the following is not a characteristic of a barchan?
 - A) Its horns point in a down wind direction.
 - B) It has a crescent shape
 - C) Its windward slope is concave
 - D) It moves in the direction of the wind.
3. If the number of a Survey of India topographical sheet is 53 E/1, its scale is:
 - A) 1:25 000
 - B) 1:50 000
 - C) 1:250 000
 - D) 1:5000
4. Coral reefs are to be found in:
 - A) Polar latitudes
 - B) Tropical latitudes
 - C) Temperate latitudes
 - D) All of the above
5. The age and sex composition of the population is best represented by
 - A) Choropleth
 - B) Isopleth
 - C) Pie Diagram
 - D) Pyramid Diagram
6. Which of the following is an antecedent river?
 - A) Beas
 - B) Satluj
 - C) Ravi
 - D) Jhelum
7. Representative Fraction is a method used for showing
 - A) Scale on the map
 - B) Direction on the map
 - C) Contours on the map
 - D) Distance on the map
8. Which of the following is not a method used for finding north
 - A) Pole Star method
 - B) Similar Triangles method
 - C) Watch method
 - D) Rod method
9. Following is an example of cold desert
 - A) Sahara
 - B) Kalahari
 - C) Gobi
 - D) Mojave
10. Mollweide Projection was used primarily for drawing
 - A) Distribution Maps
 - B) Political Maps
 - C) Navigational Maps
 - D) Cadastral Maps

SAMPLE MULTIPLE CHOICE QUESTIONS FOR MASTERS IN DISASTER MANAGEMENT

1. Spread of epidemics is associated with
 - A) Floods
 - B) Landslides
 - C) Earthquake
 - D) Volcanic Eruption
2. The switching over from the use of diesel to CNG is important because:
 - A) CNG is cheaper than diesel
 - B) Diesel is polluting fuel and CNG is non-polluting fuel
 - C) CNG is easily available
 - D) CNG is a non renewable resource
3. Which of the following is caused due to water contamination?
 - A) Oral Cancer
 - B) Hypertension
 - C) Gastroenteritis
 - D) Tuberculosis
4. Which of the following is a conventional source of energy
 - A) Solar Energy
 - B) Thermal Energy
 - C) Tidal Energy
 - D) Wind Energy
5. Which of the following is a primary activity?
 - A) Teaching
 - B) Retail trade
 - C) Mining
 - D) Tailoring
6. RIO-10 (The World Summit for Sustainable Development) in 2002 was held at
 - A) Keo Karo (India)
 - B) Johannesburg (South Africa)
 - C) New York (USA)
 - D) Melbourne (Australia)
7. Approximately 71% surface of earth is covered with water bodies, ice caps and glaciers that is why earth is also known as:-
 - A) Blue Planet
 - B) Green Planet
 - C) White Planet
 - D) Yellow Planet
8. Which of the following is eco-friendly way of managing kitchen waste?
 - A) Open dumping
 - B) Land filling
 - C) Burning
 - D) Vermi Composting

9. Indian Cheetah and Dodo bird are:
 - A) Vulnerable species
 - B) Extinct species
 - C) Threatened species
 - D) Rare species
10. Harike wetland is located on confluence of which two rivers?
 - A) Ganga-Yamuna
 - B) Chandra-Bhaga
 - C) Ganga-Brahmaputra
 - D) Beas-Satluj

SAMPLE MULTIPLE CHOICE QUESTIONS FOR MASTERS IN REMOTE SENSING & GIS

1. Consider the following statements:

A The representative fraction of a map = $\frac{\text{distance on the ground}}{\text{distance on the map}}$

B the denominator of the representative fraction is always once

E)

A) Cylindrical Equal Area

B) Bonne's Projection

C) Gnomonic Projection

D) Sinusoidal Projection

 - A) A only
 - B) B only
 - C) Both A and B
 - D) Neither A or B
2. Map showing the depths of oceans and seas is termed as:
 - A) Ethnographic map
 - B) Orographic map
 - C) Bathymetric map
 - D) Geological map
3. Which one of the following is the largest scale of map?
 - A) 1 : 10 000
 - B) 1 : 50 000
 - C) 1: 100 000
 - D) 1 : 1000 000
4. Kaziranga is famous for:
 - A) Great Indian Bustard
 - B) One horned rhino
 - C) Cheetah
 - D) Ostrich
5. In the topographical sheet settlements are represented by
 - A) Green Color
 - B) White Color
 - C) Red Color
 - D) Black Color
6. Silent Valley is located in
 - A) Kashmir
 - B) Kerala
 - C) Uttaranchal
 - D) Tamil Nadu
7. Which of the following is a perspective projection?
 - A) Cylindrical Equal Area
 - B) Bonne's Projection
 - C) Gnomonic Projection
 - D) Sinusoidal Projection
1. The point vertically below the camera lens in a photograph is called:
 - A) Ground point
 - B) Principal point
 - C) Isocenter
 - D) Ground nadir point
9. Which one of the following is the smallest scale of map?
 - A) 1: 10 000
 - B) 1:50 000
 - C) 1: 100 000
 - D) 1: 1000 000
10. Output Device of a computer is:
 - A) Keyboard
 - B) Printer
 - C) Monitor
 - D) Speaker
11. Pixel refers to
 - A) Picture element
 - B) Picture effect
 - C) Perfect element
 - D) Primary element
12. The term GPS refers to:
 - A) Global Prevention System
 - B) Global Protection System
 - C) Global Positioning System
 - D) None of the above.
13. The term GIS refers to:
 - A) Geographical Informative System
 - B) Global Information System
 - C) Geological Information System
 - D) Geographical Information System