

**ADMISSION BROCHURE
FOR
ACADEMIC SESSION 2015-16
(PART A)**



GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
SECTOR 16C, DWARKA, DELHI - 110078

PART - A

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CHAPTER- 1: List of Common Entrance Tests (CET) / Admission Codes

The admissions to the programmes of studies in the Guru Gobind Singh Indraprastha University are primarily through common entrance tests (CET) conducted by the University or on merit of the qualifying degrees. The programmes of studies are grouped together, on the basis of common syllabi (for CET), for the purpose of conduction of CET. The programme(s) groups, wherever a CET is to be conducted, are assigned a unique CET code. If a programme or programme group is such that the admissions for them is not on the basis of a CET conducted by the University, then the CET code for that programme or programme group is treated as the Admission Code. Thus, without creating any ambiguity, this document may use the term CET code or Admission Code as synonyms. The University reserves the right to cancel any CET.

Only Indian citizens are eligible for admission through this admission brochure.

Terms and conditions notified in this brochure, and notified time to time on the University website <http://ipu.ac.in>, shall be binding on all applicants. In case of any dispute, the decision of the Vice-Chancellor, Guru Gobind Singh Indraprastha University, Delhi shall be final.

1.1 Bachelor of Technology (B.Tech.) Common Entrance Tests

S.No.	Name of CET	Abbreviated Name of CET	CET Code
1	Lateral Entry to B.Tech. Programmes for Diploma holders (Admission is to the 2 nd year/ 3 rd semester of the 4 year degree programme of the batch admitted in the previous academic session, 2014-15, for the CET Code 131).	LEBTECH (DIPLOMA)	128
2	Lateral Entry to B.Tech. Programmes for B.Sc. Graduates (Admission is to the 2 nd year/ 3 rd semester of the 4 year degree programme of the batch admitted in the previous academic session, 2014-15 for the CET Code 131).	LEBTECH (BSC)	129
3	B.Tech./M.Tech. (Dual Degree) (Bio-Technology)	BTECHBT	130
4	B.Tech. CET for the following programmes of studies: 1. B.Tech./M.Tech. (Dual Degree) (Chemical Engineering) 2. B.Tech./M.Tech. (Dual Degree) (Bio-Chemical Engineering) 3. B.Tech./M.Tech. (Dual Degree) (Information Technology) 4. B.Tech./M.Tech. (Dual Degree) (Computer Science & Engineering) 5. B.Tech./M.Tech. (Dual Degree) (Electronics & Communication Engg.) 6. B.Tech. (Information Technology) 7. B.Tech. (Computer Science & Engineering) 8. B.Tech. (Electronics & Communication Engineering) 9. B.Tech. (Mechanical & Automation Engineering) 10. B.Tech. (Power Engineering) 11. B.Tech. (Electrical & Electronics Engineering) 12. B.Tech. (Instrumentation & Control Engineering) 13. B.Tech. (Tool Engineering) 14. B.Tech. (Civil Engineering) 15. B.Tech. (Environment Engineering) 16. B.Tech. (Electrical Engineering) 17. B.Tech. (Mechanical Engineering) 18. B.Tech. (Mechatronics)	BTECH	131

NOTE:

1. All applicants must appear in the appropriate CET for admission.
2. Only CET qualified applicants shall be considered for admission, through the University counselling, subject to fulfillment of eligibility and admission criterion.

1.2 Master of Technology (M.Tech.) Common Entrance Tests

S.No.	Name of CET	Abbreviated Name of CET	CET Code
1	M.Tech. CET for the following programmes of studies (Computer Science Group): 1. M.Tech. (Computer Science & Engineering) (Regular) 2. M.Tech. (Information Technology) (Regular) 3. M.Tech. (Information Security) (Regular) 4. M.Tech (Computer Science & Engineering) (Weekend) 5. M.Tech (Information Technology) (Weekend)	MTECH (CS)	139
2	M.Tech. CET for the following programmes of studies (Electronics Group): 1. M.Tech. (Digital Communication) (Regular) 2. M.Tech (Electronics & Communication Engineering) (Regular) 3. M.Tech. (VLSI Design) (Regular) 4. M.Tech. (Signal Processing) (Regular) 5. M.Tech. (RF & Microwave Engg.) (Regular) 6. M.Tech (Electronics & Communication Engineering) (Weekend)	MTECH (EC)	140
3	M.Tech (Tool Engineering) (Regular)	MTECH (TE)	147
4	M.Tech. (Food Processing Technology) (Regular)	MTECH (FPT)	148
5	M.Tech. (Nano Science and Technology) (Regular)	MTECH (NST)	149
6	M.Tech. (Engineering Physics) (Regular)	MTECH (EP)	150
7	M.Tech. (Chemical Engineering) (Regular)	MTECH (CE)	152
8	M.Tech. (Robotics and Automation) (Regular)	MTECH (RA)	156

NOTE:

1. The master of technology programmes are run in the regular mode in general. Though for some programmes classes are conducted on the weekends (and have been specified in the above table).
2. For the programmes run in regular mode, the admissions would be offered to applicants / candidates with valid and qualified GATE score in the relevant disciplines as specified in Chapter 2. If seats remain vacant / unfilled after admissions on the basis of valid and qualified GATE score, seats would be offered to CET qualified students.
3. For programmes of studies in the weekend mode, the admissions would be based on the merit of CET. Thus, all applicants who are desirous of taking admissions in the programmes of studies offered in weekends must appear for the respective CET (even if they have a valid and qualified GATE score).
4. GATE scholarship would be available if and only if approved by the statutory bodies (AICTE) for the regular programmes of studies. No GATE scholarship would be available to students admitted to programmes of studies in the weekend mode or against sponsored candidates category.

1.3 Bachelor of Architecture (B. Arch.)

S.No.	Name of Programme	Abbreviated Name	CET Code
1	Bachelor of Architecture	BARCH	100

NOTE:

1. There shall be no CET for admissions to B.Arch. Programme. For procedure of admissions to this programme the applicants should see Chapter 2 of this admissions brochure.

1.4 Professional Programmes

1.4.1 CET for Post - Graduate Programmes of Studies

S.No.	Name of CET	Abbreviated Name of CET	CET Code
1	MBA CET for the following programmes: 1. Master of Business Administration 2. Master of Business Administration (Financial Markets)	MBA	101
2	Master of Business Administration (Information Technology)	MBA(IT)	116
3	MCA CET for the following programmes: 1. Master of Computer Applications 2. Master of Computer Applications (Software Engineering)	MCA	105
4	Master in Mass Communication	MMC	106
5	MPT CET for the following programmes: 1. Master of Physiotherapy (Musculoskeletal) 2. Master of Physiotherapy (Neurology) 3. Master of Physiotherapy (Sports) 4. Master of Physiotherapy (Cardiopulmonary)	MPT	107
6	Master Occupational Therapy (Neurology)	MOT	108
7	Master of Prosthetics and Orthotics	MPO	109
8	Master of Public Health (Field Epidemiology)	MPH(FE)	110
9	Master of Science (Environment Management)	MSCEM	111
10	Master of Laws - LL.M	LLM	112
11	Master of Arts (English)	MAENG	113
12	Master of Arts (Criminology)	MACRIM	118
13	Master of Science (Forensic Sciences)	MSCF	119
14	Master of Education - M.Ed.	MED	120
15	Master of Science (Biodiversity & Conservation)	MSCBC	123
16	CET for the following programmes: 1. Master in Conservation, Preservation and Heritage Management 2. Master in Archaeology and Heritage Management	MCPHMMAHM	141
17	Master of Science (Natural Resource Management)	NRM	145
18	Master in Philosophy(Clinical Psychology)	MPHILCP	157
19	Master of Computer Applications (Dual Degree)	MCADD	142

NOTE:

1. All applicants must appear in the appropriate CET for admission.
2. Only CET qualified applicants shall be considered for admission, through the University counselling, subject to fulfillment of eligibility and admission criterion.

1.4.2 CET for Programmes of Studies at Graduation Level

S.No.	Name of CET	Abbreviated Name of CET	CET Code
1	Bachelor of Computer Applications	BCA	114
2	Bachelor of Science (Hons.) Nursing (Only for Unmarried Female Candidates)	BSCN	115
3	CET for the following programmes of studies: 1. Bachelor of Arts and Bachelor of Laws (Integrated) 2. Bachelor of Business Administration and Bachelor of Laws (Integrated)	LLB	121
4	CET for the following programmes of studies: 1. Bachelor of Education 2. Bachelor of Special Education	BED	122
5	CET for the following programmes of studies 1. Bachelor of Physiotherapy 2. Bachelor of Prosthetics and Orthotics 3. Bachelor of Science (Medical Lab. Technology) 4. Bachelor of Audiology and Speech Language Pathology 5. Bachelor of Ayurvedic Medicine and Surgery 6. Bachelor of Homeopathic Medicine & Surgery	PARA	124
6	CET for BBA & Allied Programmes: 1. Bachelor of Business Administration 2. Bachelor of Business Administration (Banking & Insurance) 3. Bachelor of Business Administration (Computer Aided Management) 4. Bachelor of Business Administration (Tour and Travel Management) 5. Bachelor of Business Administration (Modern Office Management)	BBA	125
7	Bachelor of Journalism & Mass Communication	BJMC	126
8	Bachelor of Hotel Management & Catering Technology	BHMCT	127
9	Bachelor of Commerce (Honours)	BCOM	146
10	Bachelor of Science (Yoga Science)	BSCYS	117
11	B.Sc. Medical Technology (RT)	BSCMT(RT)	158

NOTE:

1. All applicants must appear in the appropriate CET for admission.
2. Only CET qualified applicants shall be considered for admission, through the University counselling, subject to fulfillment of eligibility and admission criterion.

1.4.3 Post Graduate Diploma Programmes

S.No.	Name of Programme	Abbreviated Name	CET Code
1	Post Graduate Diploma in Radiological Physics	PGDRP	114

NOTE:

- The mode of admissions to this programme shall be notified on or before 20th February, 2015.

1.4.4 Programmes of Studies for which classes are conducted on weekends

S.No.	Name of Programme	Abbreviated Name	CET Code
1	Master of Business Administration (with sectorial specialization)	MBAW	155
2	Master of Journalism & Mass Communication	MJMC	176
3	Master of Law (Weekend) for the following programmes 1. LLM(Cyber Law & Cyber Crime) 2. LLM (Intellectual & Industrial Property Law)	LLMW	181
4	Master of Business Administration (Disaster Management)	MBADM	186

NOTE:

- No CET shall be conducted for these programme / programme groups.

1.5 Graduate and Post-Graduate Medical Programmes of Studies

S.No.	Name of CET	Abbreviated Name of CET	CET Code
1	Bachelor of Medicine & Bachelor of Surgery	MBBS	103
2	Bachelor of Dental Surgery*	BDS	104
3	Post Graduate Medical Degree/ Diploma	PGMC	102
4	D.M.(Cardiology)	DMCARD	132
5	M.Ch. (CTVS)	MCHCTVS	133
6	M.Ch.(Neuro Surgery)	MCHNS	134
7	DM (Neurology)	DMN	135
8	M.Ch.(Plastic Surgery)	MCHPLAST	136
9	DM (Pulmonary & Critical Care Medicine)	DMPCCM	138
10	M.Ch (Paediatrics Surgery)	MCHPAED	143
11	M.Ch. (Urology)	MCHURO	144

* Decisions regarding conduction of BDS CET shall be notified later by the University.

NOTE:

- All applicants must appear in the appropriate CET for admission.
- Only CET qualified applicants shall be considered for admission subject to fulfillment of eligibility and admission criterion.

1.6 Application Form Fees

All the candidates shall submit application forms only through online mode, for all Common Entrance Tests 2015. The application form is available at the University website <http://www.ipu.ac.in>. The application form along with the Common Entrance Test Fee of Rs.750/- plus service charge & taxes as applicable from 9th February, 2015, onwards. The Admit Cards can be downloaded by using candidates log-in ID and password, online.

1.8 Important Dates/Time

1. Last Date of application submission for PGMC (CET Code: 102) : 10th March, 2015
2. Last date for application submission for all other CET codes, other than B.Arch. (CET Code: 100) and PGMC (CET Code: 102) : 7th April, 2015
3. Start of application submission for B.Arch. (CET Code: 100) : 1st June, 2015
4. Last Date of application submission for B.Arch. (CET Code: 100) : 2nd July, 2015
5. The applications should be submitted on or before the last date. On the last date of application filling, the application can be submitted by 4.00PM only.

1.9 Important Instructions

1. The application forms shall be available in the online mode only from the University Website: <http://ipu.ac.in>
2. The last date for applying shall not be extended for any programme or programme group for which a common entrance test is to be conducted by the University.
3. It is the responsibility of the candidates to ascertain whether they possess the requisite eligibility and qualifications for admission. Appearing for the written examination does not necessarily mean acceptance of eligibility (Chapter 2).
4. The applicants are advised that since the form filling as well as admit cards shall be made available through the online mode only, they must keep the details of their login id and the password secure and safe.
5. Applicants should be careful in choosing the CETs that they apply for, as no change would be permissible after the application has been submitted.
6. After the application for any CET is submitted, if there is mistake in date of birth, spelling mistake in name of applicants or the parents name or in the choice of category claimed for the purpose of availing reservation, the applicant must submit an application in physical form to:

Reception, Examination Division, Guru Gobind Singh Indraprastha University, Delhi.

This application must be submitted before 3.00 PM of 14th April, 2015 for CET Code other than 102. For CET Code 102, the last date for such applications is before 3.00 PM of 16th March, 2015. After this no request for any correction shall be entertained.

7. A Separate Application Form has to be filled-in for each programme (s) having distinct CET Code.
8. No separate intimation will be sent to the candidates regarding declaration of results and commencement of counselling/ admission. Result will be declared on University Website (<http://www.ipu.ac.in>). Detailed schedule of first counselling/admissions will be notified prior to commencement of respective counselling, on the University Website (<http://www.ipu.ac.in>). Tentative dates of commencement of first and second counselling shall be notified by 20th February, 2015. The schedule may be deferred if the sanctioned intake for the respective programme is not received by the University in time.
9. The University will declare and display the ranks of only those candidates who are declared as qualified in the CET-2015. The candidates will be called for counselling/admission depending upon the number of seats available in each programme. The admissions will be made only out of these qualified candidates strictly in order of merit. The rank of candidates who do not qualify in CET-2015 will not be declared.
10. Applicants should retain a printout of the CET application form as proof of application.
11. In all communication regarding submission of application or otherwise related to admissions, the copy of the application form must be submitted as otherwise the communication would be deemed incomplete and no processing would be performed on the communication, without any notice to the applicant.
12. There will be no rounding-off of the percentage of marks of qualifying examination while deciding the basic eligibility of any candidate for admission e.g. if a candidate obtained 49.99% marks in his/her qualifying examination, then it will not be rounded-off to 50%.

13. It is the responsibility of the candidates to ascertain whether they possess the requisite eligibility and qualifications for admission. Filling the application form and / or appearing for the written examination does not necessarily mean acceptance of eligibility.
14. The tentative schedule of counselling shall be notified on the University website <http://ipu.ac.in> on or before 20.02.2015.
15. The list of documents required shall be informed through the detailed counselling schedule as notified on the University website <http://ipu.ac.in>.
16. The candidates are advised to check their status with the help of the login id and password.
17. Write the complete e-mail address and phone number in the form carefully. Please note that this e-mail address and phone number may be used by the University for future communication.

CHAPTER- 2: Eligibility Conditions & Admission Criteria

The eligibility conditions specified below is for the general / open category of admissions. Relaxation of eligibility conditions for reserved categories shall be notified by the University on or before 20th February, 2015 (unless specified herein).

2.1 Bachelor of Technology (B.Tech.)

S.No.	Name of CET	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	Lateral Entry to B.Tech. Programmes for Diploma holders	128	<p>Eligibility Conditions: Three-years diploma in any of the following branches of Engg./Technology with a minimum of 60% marks in aggregate from any recognized Diploma awarding institute/university/board recognized by AICTE:- Computer Engg; Automobile Engg; Chemical Engg, Civil Engg, Construction Engg, Electrical Engg, Electronics & Communication Engg, Electronics, Instrumentation & Control, Mechanical Engg., Maintenance Engg., Plastic Engg., Printing Technology, Production Engg., Public Health & Environmental Engg., Tool & Die Making.</p> <p>Admissions Criteria: Applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.</p> <p><i>Note: Candidates with Diploma in Architecture are not eligible for lateral entry to Engineering/Technology degree programme.</i></p>
2	Lateral Entry to B.Tech. Programmes for B.Sc. Graduates	129	<p>Eligibility Conditions: B.Sc. Graduates with 60% marks in aggregate with Mathematics as a subject from any recognized University.</p> <p>Admissions Criteria: Applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.</p>
3	B.Tech./M.Tech. (Dual Degree) (Bio-Technology)	130	<p>Eligibility Conditions: Pass in 12th Class of 10+2 pattern of CBSE or equivalent with a minimum aggregate of 55% marks in Physics, Chemistry and Biology/Biotechnology provided the candidate has passed in each subject separately. Candidate must additionally have passed English as a subject of study (core/ elective/ functional) in the qualifying examination.</p> <p>Admissions Criteria: Applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.</p>
4	B.Tech. CET	131	<p>Eligibility Conditions: Pass in 12th Class of 10+2 pattern of CBSE or equivalent with a minimum aggregate of 55% marks in Physics, Chemistry and Mathematics provided the candidate has passed in each subject separately. Candidate must additionally have passed English as a subject of study (core/ elective/ functional) in the qualifying examination.</p> <p>Admissions Criteria: All applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.</p>

2.2 Master of Technology (M.Tech.)

S.No.	Name of CET	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	M.Tech. CET for the following programmes of studies (Computer Science Group): 1. M.Tech. (Computer Science & Engineering) (Regular) 2. M.Tech. (Information Technology) (Regular) 3. M.Tech. (Information Security) (Regular) 4. M.Tech (Computer Science & Engineering) (Weekend) 5. M.Tech (Information Technology) (Weekend)	139	Eligibility Conditions: Minimum 60% or equivalent in the qualifying examination as under:- 1. B.Tech. / B.E. in Computer Science/Computer Science & Engineering / Computer Engineering / Information Technology / Electronics and Communication Engineering / Electronics & Instrumentation Engineering / Instrumentation & Control Engineering/ Electrical Engineering/Electrical & Electronics Engineering or equivalent. 2. Grad. IETE/AMIE (ECE/CSE/IT/EE). 3. M.Sc. (IT/ Electronics/ Computer Science/Informatics/ Information Science & Technology/ Physics/ Mathematics/ Statistics/ Operation Research/Applied Physics). 4. MCA or MCA (SE) Admissions Criteria(for regular programmes of studies): 1. GATE qualified in Computer Science and Information Technology with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 139.
2	M.Tech. CET for the following programmes of studies (Electronics Group): 1. M.Tech. (Digital Communication) (Regular) 2. M.Tech (Electronics & Communication Engineering) (Regular) 3. M.Tech. (VLSI Design) (Regular) 4. M.Tech. (Signal Processing) (Regular) 5. M.Tech. (RF & Microwave Engg.) (Regular) 6. M.Tech (Electronics & Communication Engineering) (Weekend)	140	Eligibility Conditions: Minimum 60% or equivalent in the qualifying examination as under:- 1. B.Tech./B.E. in Computer Science/Computer Science & Engineering/Computer Engineering/Information Technology / Electronics and Communication Engineering/Electronics & Instrumentation Engineering/Instrumentation & Control Engineering/ Electrical Engineering/Electrical & Electronics Engineering or equivalent. 2. Grad. IETE/AMIE (ECE/CSE/IT/EE). 3. M.Sc. (IT/ Electronics/ Computer Science/Informatics/ Information Science & Technology/ Physics/ Mathematics/ Statistics/ Operation Research/Applied Physics). 4. MCA or MCA (SE) Admissions Criteria(for regular programmes of studies): 1. GATE qualified in Electronics and Communication with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 140.

3	M.Tech (Tool Engineering) (Regular)	147	<p>Eligibility Conditions: Minimum 60% or equivalent in the qualifying examination as under:- 1. B.Tech./ B.E. in Tool Engineering/ Mechanical/ Mechanical and Automation /Production/Production and industrial engineering or equivalent. 2. Grad. AMIE (ME) A(II) Or CET qualified (for Non-GATE) candidates. Admissions Criteria: 1. GATE qualified in Mechanical/Production/Production and industrial Engineering with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 147.</p>
4	M.Tech. (Food Processing Technology) (Regular)	148	<p>Eligibility Conditions: Minimum 60% or equivalent in the qualifying examinations as: 1. BE/B.Tech (Food Technology / Chemical Technology/ Biochemical Engg. / Biotechnology) or equivalent. 2. MS / M.Sc. (Chemistry / Biochemistry / Food Science / Microbiology / Biotechnology) or equivalent. Admissions Criteria: 1. GATE qualified in the following: i. XE (Engineering Sciences): with option of Section G (Food Technology - FT). ii. XL (Life Sciences): with option of Section M (Food Technology - FT). iii. BT (Biotechnology) with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 148.</p>
5	M.Tech. (Nano Science and Technology) (Regular)	149	<p>Eligibility Conditions: Minimum 55% or equivalent in the qualifying examinations: M.Sc.(Physics / Applied Physics / Electronics Mathematics / Chemistry / Biotechnology / Biosciences/ Life Sciences); B.E./B.Tech (Electronics / Computer Science / Electrical / Mechanical / Engineering Physics / Metallurgy / Material Engineering / Information Technology / Biotechnology / Biomedical / Chemical Engineering or Technology); or equivalent and Mathematics as one of the subjects at +2 or undergraduate level is a must. Admissions Criteria: 1. GATE qualified in the relevant discipline with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 149.</p>

6	M.Tech. (Engineering Physics) (Regular)	150	<p>Eligibility Conditions: Minimum 55% or equivalent in the qualifying examinations as under: 1. BE/B.Tech. Electronics/Computer Science / Electrical / Engineering Physics / Information Technology/Instrumentation & Control or equivalent 2. Post Graduation in Physics / Applied Physics / Electronics / Mathematics or equivalent with minimum of 55% marks in aggregate in the qualifying degree. However, must have studied Physics at the undergraduate level.</p> <p>Admissions Criteria: 1. GATE qualified in the relevant discipline with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 150.</p>
7	M.Tech. (Chemical Engineering) (Regular)	152	<p>Eligibility Conditions: Minimum 60% or equivalent in the qualifying examinations as under: 1. B.Tech./B.E. in Chemical Engineering or equivalent</p> <p>Admissions Criteria: 1. GATE qualified in the discipline specified in the eligibility conditions with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 152.</p>
8	M.Tech. (Robotics and Automation) (Regular)	156	<p>Eligibility Conditions: Minimum 60% or equivalent in any one of the following qualifying examination: 1. B.Tech./B.E. in Computer Science/Computer Engineering / Computer Science and Engineering/Information Technology or equivalent. 2. B.Tech./B.E. in instrumentation and Control Engineering / Electronics Engineering/Electronics and Communication Engineering / Electrical Engineering/Electrical and Electronics Engineering or equivalent. 3. B.Tech./B.E. in Mechanical Engineering / Mechanical and Automation Engineering/Industrial Engineering/Production Engineering/Automobile Engineering / Mechatronics / Manufacturing Engineering or equivalent. 4. B.Tech./B.E. in Aerospace Engineering or equivalent.</p> <p>Admissions Criteria: 1. GATE qualified in the discipline specified in the eligibility conditions with a valid score card of GATE. Or 2. CET qualified (for Non-GATE) candidates in CET code 152.</p>

NOTE:

1. The decision of equivalence of degree of the Guru Gobind Singh Indraprastha University shall be final.
2. The mode of admissions shall be:
 - I. For regular mode programmes admissions would be first given to candidates / applicants who are GATE qualified (as per eligibility and admission conditions specified for the CET Code) and possess a valid GATE score card, on the basis of the merit based on GATE score. If in case of tie in score, the candidate older in age will be given priority. The merit list may change subject to verification of GATE Score Card and other information from the original documents/mark sheets at the time of Counselling.
 - II. For regular mode programmes, if seats remain vacant after the admissions of the GATE candidates, the seat would be offered to CET qualified candidates based on merit / rank of CET.
 - III. For weekend programmes, admissions would be given only on the basis of the merit / rank of the CET.

All candidates desirous of taking admission in the weekend mode programmes should appear in the relevant CET, even if they possess a qualified and valid GATE score.

- IV. GATE scholarships shall be available only after the AICTE approval for the relevant branch / programme for the Academic Session 2015-16.
 - V. For admissions in the weekend mode programmes and against sponsored seats in the regular mode programmes, no GATE scholarship shall be available.
3. CET admit card will be issued by the University to be used as proof of identity of the candidates at the time of counselling/admission.
 4. Admission of the students passing out of GGSIPU: CPI awarded by University shall be treated as equivalent to percentage.

2.3 Bachelor of Architecture (B. Arch.)

1. There shall be no CET for admissions to B.Arch. Programme. For procedure of admissions to this programme the applicants should see Chapter 2 of this admissions brochure.

2. Eligibility Conditions:

- i. Pass in 12th Class of 10+2 scheme of Senior School Certificate Examination of CBSE or equivalent with a minimum aggregate of 50% marks with Mathematics as a subject of examination at the 10+2 level
OR
- ii. 10+3 Diploma (any stream) recognized by Central/ State Governments with 50% aggregate marks.
OR
- iii. International Baccalaureate Diplomas, after 10 years of schooling, with not less than 50% marks in aggregate and with Mathematics as compulsory subject of examination.
- iv. All candidates possessing any of the above qualifications must also have passed the National Aptitude Test of Architecture (NATA) conducted by Council of Architecture.
- v. For eligibility for NATA you are advised to refer the official website of Council of Architecture i.e. <http://www.coa.gov.in/>

3. Admission Criteria:

- i. Admissions will be made on the basis of NATA Score and the percentage of Aggregate marks, i.e., (percentage will be calculated considering all the subjects) obtained in the qualifying examination, i.e. Senior secondary level or equivalent.
- ii. Merit list shall be prepared based on:
 - a. Architectural Aptitude (NATA score) : 50%
 - b. Qualifying Examination (i.e., 10+2 OR 10+3 years diploma recognized by the Central / State Governments) : 50%

4. Appearing in NATA Examination conducted by Council of Architecture

- i. Basic Eligibility for NATA
 1. The aspirant should have passed Higher Secondary Examination (HSE) or its equivalent examination from a recognized University or Board or Institute to apply for this exam.
 2. The aspirants currently appearing for the 10+2 exam are also eligible to attend the exam subject to some terms and conditions specified by the authority.
 3. The aspirants should have studied Mathematics as one of the subjects in the qualifying examination.
 4. The aspirant must have at least 50% marks in the qualifying examination in aggregate across all subjects and also in Mathematics separately.
 5. The aspirant should be physically and mentally fit at the time of exam.
 6. Read more here : <http://entrance-exam.net/nata-eligibility-criteria/>
- ii. All candidates are advised to take NATA Examination of the Council of Architecture at their own initiative, in such a manner so that result of the same is available with the candidate on or before 01.07.2015. It is once again reiterated that the candidates will have to take the NATA Examination at their own initiative for which neither University will give any separate intimation nor shall allow any candidate to take admission in its B.Arch. programme to candidates who do not hold the valid NATA Score.
- iii. In order to pass the Architectural Aptitude Test (NATA) the candidate must obtain a minimum of 40% marks.

5. In the inter-se-merit of candidates securing equal ranks, following criteria will be adopted to determine the merit:
 - i. The Candidate getting higher score in NATA;
 - ii. In case of candidates securing equal scores in NATA, then the candidate getting higher marks in Maths of the qualifying examination;
 - iii. In case of tie in (i) and (ii) above, the candidate getting higher marks in qualifying examination;
 - iv. In case of tie in (i), (ii) and (iii) above, the candidate older in age shall rank higher.
6. Applicants should retain a printout of the CET application form as proof of identity of the candidates at the time of counselling/admission.

2.4 Professional Programmes

2.4.1 Post - Graduate Programmes of Studies

S.No.	Name of CET	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	MBA CET for the following programmes: 1. Master of Business Administration 2. Master of Business Administration (Financial Markets)	101	<p>Eligibility Conditions: Any recognized Bachelor's Degree in any discipline with a minimum of 50% marks in aggregate. OR Bachelor's Degree in Engineering, Technology or any other subject with minimum of 50% marks in aggregate or any qualification recognized as equivalent thereto with minimum of 50% marks in aggregate. OR Passed the Final Examination of the Institute of Chartered Accountants of India or England, the Institute of Cost and Works Accountants of India or England or the Institute of Company Secretaries of India.</p>
2	Master of Business Administration (Information Technology)	116	<p>Eligibility Conditions: B.E./B. Tech with minimum of 60% marks. OR M.Sc. (CS), M. Sc. (IT), M.Sc. (Electronics) with minimum of 60% marks. OR MCA with minimum of 60% marks.</p>
3	MCA CET for the following programmes: 1. Master of Computer Applications 2. Master of Computer Applications (Software Engineering)	105	<p>Eligibility Conditions: Bachelor's Degree of a recognized University in any discipline with at least 50% marks in aggregate and must also have passed Mathematics and English (core or elective or functional) at least at the Senior School Certificate Examination (Class XII) of the CBSE or any other Examination recognized as equivalent thereto. OR BCA/BIT/BIS of a recognized University of at least three years duration with at least 50% marks in aggregate or any qualification recognized as equivalent thereto. OR Bachelor's Degree in Engineering or Technology or a qualification recognized as equivalent thereto with at least 50% marks in aggregate.</p>
4	Master in Mass Communication	106	<p>Eligibility Conditions: Graduation in any discipline from a recognized University with aggregate of 50% marks</p>

5	MPT CET	107	<p>Eligibility Conditions: Pass in Bachelor of Physiotherapy programme (BPT) of 4½ years duration (including internship) with 50% marks in aggregate from a recognized University.</p> <p align="center">OR</p> <p>Pass in Bachelor of Physiotherapy/B.Sc. (Physiotherapy) of 3½ years duration (including internship) with 50% marks in aggregate and bridge course of one year with 50% marks from a recognized University.</p>
6	Master Occupational Therapy (Neurology)	108	<p>Eligibility Conditions: Pass in Bachelor of Occupational Therapy programme (BOT) with 50% marks in aggregate from a recognized University.</p>
7	Master of Prosthetics and Orthotics	109	<p>Eligibility Conditions: Pass in Bachelor of Prosthetics & Orthotics programme (BPO) with 50% marks in aggregate from a recognized University.</p>
8	Master of Public Health (Field Epidemiology)	110	<p>Eligibility Conditions: Candidates possessing MBBS degree from any recognized institution are eligible to apply for the course. In-service personnel with the above qualification, working in health Institutions/ organisation in Central/State Govt. or Public Sector having 5 years experience, of which at least 3 years should be in Public Health activities are eligible. Such candidates, at the time of counselling for admission, would need to furnish a letter from their employer that if they are admitted, they would be relieved for 2 years for under taking the course on full time basis at NCDC. Admission will be done on All India Basis and the guidelines of Govt. of India, applicable to Central Govt. Educational Institutions will be followed.</p>
9	Master of Science (Environment Management)	111	<p>Eligibility Conditions: B.Sc. Degree or its equivalent with at least 50% marks in aggregate.</p> <p align="center">OR</p> <p>B.Sc.(Engg.), B.Tech. or B.E. in Civil/Chemical/ Agricultural Engg Degree with at least 50% marks in aggregate.</p>
10	Master of Laws - LL.M	112	<p>Eligibility Conditions: LL.B Degree as required by the Bar Council of India for Enrollment as an Advocate or an equivalent Law Degree from a Foreign University, in either case with not less than 50% marks.</p>
11	Master of Arts (English)	113	<p>Eligibility Conditions: 1. Graduation in any discipline from a recognized University with aggregate of 50% marks.</p> <p>Admission Criteria: 1. The admission test to M.A(English) Programme shall have three components/ stages (absence in an any stage shall deem the candidate ineligible for admission consideration / unqualified):</p> <p>a. <i>Stage One</i>:- CET Test based on MCQ Examination. The result of the CET at this stage shall be the CET roll number based list of qualified candidates, who shall be eligible to participate in the subsequent stages.</p> <p>b. <i>Stage Two</i>:- An essay writing test for CET qualified students for evaluation of their creative, critical, analytic and writing skills to be conducted by Dean, University School of Humanities and Social Sciences. Schedule of Stage 2 to be notified later by</p>

			<p>Dean, University School of Humanities and Social Sciences. c. <i>Stage Three</i>:- Group Discussion and Personal Interview / Oral Presentations for CET qualified students, to be conducted by University School of Humanities and Social Sciences. Schedule of Stage 3 to be notified later by Dean, University School of Humanities and Social Sciences.</p> <p>2. The Essay Writing Test shall be evaluated by a committee of Examiners constituted by the Dean, University School of Humanities and Social Sciences. A single paper would be checked by at least two examiners, and the student score would be the marks obtained as an average.</p> <p>3. Group Discussion and Personal Interview/ Presentation would be conducted and evaluated by the panel of four examiners, constituted by Dean, University School of Humanities and Social Sciences. The final score of the student would be an average of the score given by each examiner.</p> <p>4. The consolidated merit of the prospective student should be as under:</p> <table border="0"> <tr> <td>i. CET Examination :</td> <td align="right">50%</td> </tr> <tr> <td>ii. Essay Writing Test :</td> <td align="right">25%</td> </tr> <tr> <td>iii. Group Discussion and Personal Interview/ Presentation:</td> <td align="right">25%</td> </tr> </table>	i. CET Examination :	50%	ii. Essay Writing Test :	25%	iii. Group Discussion and Personal Interview/ Presentation:	25%
i. CET Examination :	50%								
ii. Essay Writing Test :	25%								
iii. Group Discussion and Personal Interview/ Presentation:	25%								
12	Master of Arts (Criminology)	118	<p>Eligibility Conditions: Graduate from any UGC recognised University securing atleast 50% , marks in aggregate at the final examination.</p>						
13	Master of Science (Forensic Sciences)	119	<p>Eligibility Conditions: A B.Sc Degree from any recognized University with at least 50% marks in the aggregate. The candidate must have studied for at least 2 year (4 semesters) of 3 years degree course, any 2 subjects out of (a) Physics, (b) Chemistry (c) Biology (Zoology/ Genetics/ Biotechnology/ Physical Anthropology).</p> <p align="center">OR</p> <p>B.Sc (Forensic Science) with minimum 50% marks from any recognized University (Eligible only for specialization in Forensic Document Examination).</p>						
14	Master of Education	120	<p>Eligibility Conditions: Candidates should have obtained at least 50% marks or an equivalent grade in the following programmes:</p> <ol style="list-style-type: none"> 1. B.Ed. 2. B.A. B.Ed. 3. B.Sc. B.Ed. 4. B.El. Ed. 5. D.El. Ed. <p>with an under graduate degree (with 50% marks in each)</p>						
15	Master of Science (Biodiversity & Conservation)	123	<p>Eligibility Conditions: B.Sc. degree or equivalent (Botany, Zoology, Biotechnology, Biochemistry, Anthropology or any field of Life Sciences) with minimum 50% marks.</p>						

16	CET for the following programmes: 1. Master in Conservation, Preservation and Heritage Management 2. Master in Archaeology and Heritage Management	141	Eligibility Conditions: The candidates eligible to apply for the Master Degree Courses should be a Graduate (3 years degree course) in any subject of Humanities, Commerce or Sciences (those appearing in 3rd year final exam may also apply). The student must be a graduate from an Indian or recognized foreign university or have passed an examination recognized as equivalent to a degree and possess such other qualifications as may be prescribed by the University from time to time.
17	Master of Science (Natural Resource Management)	145	Eligibility Conditions: Bachelor's Degree with Life-Sciences, Environmental Sciences, Physical Sciences, Earth Science, Agriculture, geography/Economics with B.Sc. background and having minimum of 50% marks in aggregate.
18	Master in Philosophy(Clinical Psychology)	157	Eligibility Conditions: M.A./M.Sc. degree in Psychology from a University recognized by the UGC with a minimum of 55% marks in aggregate preferably with special paper in Clinical Psychology. The CET hall be followed by interview for admission to this programme. Weightage of marks will be 90% for CET and 10% for the interview and practical, as per RCI. Schedule of Interview and Practicals to be notified later. <i>Note:- Candidates with M.A./M.Sc. degree by correspondence, part time course or by distance education are not eligible for admission.</i>
19	Master of Computer Applications (Dual Degree)	142	Eligibility Conditions: Pass 10+2 examination or equivalent with Physics & Mathematics as compulsory subjects along with one of the Chemistry / Biotechnology / Biology / Technical Vocational subject and should obtain atleast 50% marks in the above subjects taken together. The candidate should also have passed English separately in the qualifying examination.

Note:

- Admission Criteria:** All applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.
- It is the responsibility of the candidates to ascertain whether they possess the requisite eligibility and qualifications for admission. Appearing for the written examination does not necessarily mean acceptance of eligibility.

2.4.2 Programmes of Studies at Graduation Level

S.No.	Name of CET	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	Bachelor of Computer Applications	114	<p>Eligibility Conditions: Pass in 12th Class of 10+2 of CBSE or equivalent with a minimum of 50% marks in aggregate* with pass in English (core or elective or functional) and Mathematics or Computer Science / Informatics Practice / Computer Applications. OR Three year Diploma in a branch of Engineering from a polytechnic duly approved by All India Council for Technical Education and affiliated to a recognized examining body with a minimum of 50% marks in aggregate.</p>
2	Bachelor of Science (Hons.) Nursing (Only for Unmarried Female Candidates)	115	<p>Eligibility Conditions: Pass in 12th class of 10+2 of CBSE with Science (Physics, Chemistry, Biology) or equivalent with a minimum aggregate of 50% marks in Physics, Chemistry, Biology provided that the candidate has passed in each subject separately. The candidate must also have passed English (core or elective) in qualifying examination.</p>
3	LLB CET	121	<p>Eligibility Conditions: Pass in 12th class of 10+2 of CBSE or equivalent with a minimum of 50% marks in aggregate* and must also have passed English (core or elective or functional) as a subject.</p>
4	BED CET	122	<p>Eligibility Conditions: 1. Bachelor of Education: Candidates with at least 50% marks either in Bachelors degree and/or in the Masters degree in Sciences, Social Sciences, and Humanities. OR Bachelors in Engineering or Technology with specialization in Science and Mathematics with 55% marks or any other qualification equivalent thereto.</p> <p>Note: (i) The candidate must have passed at least two subjects out of the list of the teaching subjects (Please see Next Table). (ii) These two subjects should be available as teaching subjects in the institute/college in which the candidates seeks to take admission. The next Table shows the list of subjects that were offered in the Academic Session 2014-15, the list of subjects for the Academic Session would be displayed together with the detailed counseling schedule. (iii) The candidates are advised not to opt for two languages as teaching methodology subjects. (iv) University shall abide by the NCTE norms for admissions and shall not be responsible for the further job prospects of the students. (v) For B.A.(H)/B.Sc.(H) students, 50% marks in aggregate are required in their main exam (excluding the qualifying/subjects) and 45% in the subsidiary are mandatory.</p> <p>2. Bachelor of Special Education: The minimum requirement</p>

			for the candidates seeking admission to this B.Ed Course is B.A/ B.Sc/ B.Com or an equivalent degree at graduate level. The eligibility for admission is 50% marks in aggregate in 10+2+3 pattern or any other qualification recongnized as equivalent thereto.
5	<p>CET for the following programmes of studies:</p> <ol style="list-style-type: none"> 1. Bachelor of Physiotherapy 2. Bachelor of Prosthetics and Orthotics 3. Bachelor of Science (Medical Lab. Technology) 4. Bachelor of Audiology and Speech Language Pathology 5. Bachelor of Ayurvedic Medicine and Surgery 6. Bachelor of Homeopathic Medicine & Surgery 	124	<p>Eligibility Conditions:</p> <p>1. For programmes other than Bachelor of Homeopathic Medicine & Surgery: Pass in 12th Class of 10+2 of CBSE or equivalent with a minimum aggregate of 50% marks in Physics, Chemistry and Biology provided the candidate has passed in each subject separately. A candidate also must have passed in English (core or elective or functional) as a subject of study - in the qualifying examination.</p> <p>2. For Bachelor of Homeopathic Medicine & Surgery: Pass in 12th class examination under 10+2 system conducted by the Medicine Surgery (BHMS) recognized Board/University with required subjects, i.e. Physics, Chemistry, Biology and securing minimum 60% marks aggregate in these subjects, will be eligible. A candidate also must have passed in English as a subject of study (core, elective or functional) in the qualifying examination.</p> <p>Note:- Blind (including colour blind), deaf and/or dumb candidates shall not be eligible for admission in the BHMS course.</p>
6	<p>CET for BBA & Allied Programmes:</p> <ol style="list-style-type: none"> 1. Bachelor of Business Administration 2. Bachelor of Business Administration (Banking & Insurance) 3. Bachelor of Business Administration (Computer Aided Management) 4. Bachelor of Business Administration (Tour and Travel Management) 5. Bachelor of Business Administration (Modern Office Management) 	125	<p>Eligibility Conditions:</p> <p>Pass in 12th Class of 10+2 of CBSE or equivalent with a minimum of 50% marks in aggregate* and must also have passed English (core or elective or functional) as a subject.</p>

7	Bachelor of Journalism & Mass Communication	126	<p>Eligibility Conditions: Pass in 12th Class of 10+2 of CBSE or equivalent with (Mass Communication) a minimum of 50% marks in aggregate* and must also have passed English (core or elective or functional) as a subject.</p>
8	Bachelor of Hotel Management & Catering Technology	127	<p>Eligibility Conditions: Pass in 12th Class of 10+2 of CBSE or equivalent with a minimum of 50% marks in aggregate* and must also have passed in English (core or elective or functional) as a subject.</p>
9	Bachelor of Commerce (Honours)	146	<p>Eligibility Conditions: 50% in aggregate in 10+2 examination / senior school certificate examination of C.B.S.E . as minimum marks for admission to B.Com with pass in five subjects (One language and four elective subjects) or an examination recognized as equivalent to that.</p> <p>(I) Pre-University Examination (Two years after ten years of schooling) of an Indian School / College. OR Intermediate Examination of an Indian University / Board or an Examination recognized as equivalent to that (Pass in Five written subjects</p> <p>(ii) Indian School Certificate Examination (12 years) conducted by the Council for the Indian School Certificate Examination, New Delhi (Pass in Five written subjects).</p> <p>(iii) Examination of a foreign university / board which is recognized as equivalent to 10+2 CBSE examination/or Indian university.</p>
10	Bachelor of Science (Yoga Science)	117	<p>Eligibility Conditions: Pass in 12th class of 10+2 pattern of CBSE or Equivalent with Science (Physics, Chemistry and Biology) with a minimum aggregate of 50% marks in Physics, Chemistry and Biology provided that the candidate has passed in each subject separately. A candidate also must have passed in English as a subject of study (core, elective or functional) in the qualifying examination.</p>
11	B.Sc. Medical Technology (RT)	158	<p>Eligibility Conditions: Pass in 12th class of 10+2 of CBSE or equivalent with minimum aggregate of 55% marks in Physics, Chemistry and Biology provided the candidate has passed in each subject separately. A candidate also must have passed in English (core or selective or function) as a subject of studies in the qualifying examination. OR Diploma in Radiotherapy Technology after pass in 12th class of CBSE or equivalent with minimum aggregate of 50% marks in Physics, Chemistry and Biology provided the candidate has passed in each subject separately, having minimum 5 years of experience of Radiotherapy.</p>

*Aggregate of 50% marks in the 12th class for the purpose of eligibility will be taken as the aggregate of best four subjects including one language and compulsory subject(s). These compulsory subjects will vary for various programmes. The details of compulsory subject(s) whatever applicable will be notified on university website before start of the counselling.

Note:

1. **Admission Criteria:** All applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.
2. Candidate should be not less than 17 years as on 31st December 2015 for Bachelor of

Homeopathic Medicine & Surgery/Bachelor of Ayurvedic Medicine & Surgery Programme.

3. Admission of students passing out of GGSIPU: The CPI awarded by the University to be treated as equivalent to percentage.

2.4.3 Post Graduate Diploma Programmes

S.No.	Name of Programme	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	Post Graduate Diploma in Radiological Physics	114	Eligibility Criteria: M.Sc.(Physics) with 60% Marks. Admission Criteria: To be notified on or before 20 th February, 2015

2.4.4 Programmes of Studies for which classes are conducted on weekends

S.No.	Name of Programme	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	Master of Business Administration (with sectorial specialization)	155	<p>Eligibility Conditions:</p> <ol style="list-style-type: none"> i) Graduation or its equivalent in any discipline with at least 50% marks in aggregate. ii) At least one year post-qualification executive/supervisory/teaching experience. The cut-off date for counting experience shall be 31st May, 2015. iii) A No-objection certificate is required to be submitted at the time of admission from the current employer. <p>Admission Criteria: Admission shall be based on marks obtained in the qualifying examination(Graduation) and performance in Personal interview. Merit list shall be prepared based on the following: a) 70% weightage will be given to the percentage secured in the qualifying examination. b) 30% weightage will be given to the performance in Personal Interview. Thus the merit list shall be prepared on the basis of marks earned by each candidate from out of 100 comprising of percentage of marks obtained in eligibility qualification and marks obtained in Personal Interview. The exact dates of interview will be notified on the University website ww.ipu.ac.in in the first week of June 2015 by the respective Dean of the University School.</p>
2	Master of Journalism & Mass Communication	176	<p>Eligibility Conditions: Graduation or its equivalent in any discipline with at least 50% marks in aggregate.</p> <p>Admission Criteria: Admission shall be based on marks obtained in the qualifying examination (Graduation) and performance in Personal Interview. Merit list shall be prepared based on the following:</p> <ol style="list-style-type: none"> I. Percentage of Marks secured in the qualifying examination on a 100 - point scale. II. One mark each for an additional year of relevant experience but up to a maximum of 10 additional marks. The cutoff date for counting the experience shall be 31st May, 2015. III. Personal Interview marks on a 40 - point scale. IV. In case of tie between the candidates, i.e. all marks being

			equal, the candidate for admission will be selected as per the discretion of the admission committee.
3	Master of Law (Weekend) for the following programmes 1. LLM(Cyber Law & Cyber Crime) 2. LLM (Intellectual & Industrial Property Law)	181	<p>Eligibility Conditions: LL.B Degree as required by the Bar Council of India for Enrollment as an Advocate or an equivalent Law Degree from a Foreign University.</p> <p>Admission Criteria: Merit list shall be prepared based on the following:</p> <ol style="list-style-type: none"> i) There shall be no Entrance Test. ii) The Admissions shall be based on the weightage of marks obtained by the candidates in the qualifying degree and in the Interview/ Viva. iii) The Committee to conduct Interview / Viva shall be constituted by the Hon'ble Vice-Chancellor. iv) Total weightage marks shall be 100 out of which weightage of 60 marks will be awarded on the performance in qualifying degree and 40 marks for performance in Interview / Viva. v) In case of tie between the candidates, i.e. all marks being equal the candidate for admission will be selected as per the discretion of the committee.
4	Master of Business Administration (Disaster Management)	186	<p>Eligibility Conditions:</p> <ol style="list-style-type: none"> 1. Graduate or equivalent in any subject with minimum Programme of 50% marks in aggregate. 2. At least one year post-qualification executive/ professional experience. <p>Admission Criteria: Merit list shall be prepared based on the following:</p> <ol style="list-style-type: none"> 1. Percentage of marks secured in the qualifying examination on a 100 point scale. 2. One mark each for an additional year of relevant experience put up to a maximum of 15 additional marks. 3. Personal Interview marks on a 25 point scale. 4. The final merit list shall be prepared on the basis of marks earned by each candidate from out of 140 comprising percentage of marks obtained in eligibility qualification, experience and marks obtained in Personal Interview.

NOTE:

1. No CET shall be conducted for these programme / programme groups.
2. Admission of students passing out of GGSIPU: The CPI awarded by the University to be treated as equivalent to percentage.

2.5 Graduate and Post-Graduate Medical Programmes of Studies

S.No.	Name of CET	CET Code	ELIGIBILITY CONDITIONS & ADMISSION CRITERIA
1	Bachelor of Medicine & Bachelor of Surgery (MBBS)	103	Candidate must have passed the in the subject of Physics, Chemistry, Biology and English (Core or Elective or Functional) individually and must have obtained a minimum of 50% marks together in Physics, Chemistry, Biology and English (40% in case of SC/ST/OBC candidate, subject to availability of seat for these categories in the respective institutions). There shall be a 2-stage CET for MBBS, the qualified students of stage - 1 shall be required to appear in the second stage. The merit of the second stage only shall be used for the purpose of counselling.
2	Bachelor of Dental Surgery* (BDS)	104	Candidate must have passed the in the subject of Physics, Chemistry, Biology and English (Core or Elective or Functional) individually and must have obtained a minimum of 50% marks together in Physics, Chemistry, Biology and English (40% in case of SC/ST/OBC candidate, subject to availability of seat for these categories in the respective institutions).
3	Post Graduate Medical Degree/ Diploma (Streams available shall be notified before the start of counselling for admissions)	102	The CET is conducted only for the state quota seats available in the University. Every candidate selected for admission to PGMC shall possess MBBS degree recognized by Medical Council of India and must have completed one year compulsory rotatory internship on or before 30th April 2015. The Candidate should have obtained permanent registration with the MCI or any of the State Medical Council. Only candidates who have obtained their MBBS degree from the Guru Gobind Singh Indraprastha University, Delhi are eligible to appear in the CET.
4	D.M. (Cardiology)	132	Candidates should have qualified MD Medicine.
5	M.Ch. (CTVS)	133	Candidates should have qualified MS General Surgery/DNB General Surgery
6	M.Ch. (Neuro Surgery)	134	Candidates should have qualified MS General Surgery/DNB General Surgery
7	DM (Neurology)	135	Candidates should have qualified MD Paediatrics
8	M.Ch. (Plastic Surgery)	136	Candidates should have qualified MS General Surgery/DNB General Surgery
9	DM (Pulmonary & Critical Care Medicine)	138	Candidates should have qualified MD General Medicine /PM/Paediatrics
10	M.Ch (Paediatrics Surgery)	143	Candidates should have qualified MS General Surgery/DNB General Surgery
11	M.Ch. (Urology)	144	Candidates should have qualified MS General Surgery/DNB General Surgery

* Decisions regarding conduction of BDS CET shall be notified later by the University.

Admission Criteria: All applicants must appear in the CET conducted. The admissions would be based on the merit / rank in the CET.

2.5.1 Detailed MBBS (CET Code 103)/BDS (CET Code 104) Eligibility Criteria

- (1) Candidate should be an Indian citizen. Non-Resident Indians and Foreign Nationals are not eligible.
- (2) Candidate should not be less than 17 (Seventeen) years as on the 31st December, 2015.
- (3) MBBS: Candidate should have passed the 12th Class under the 10+2 Scheme/Senior School Certificate Examination or Intermediate Science (I.Sc.) or an equivalent examination of the recognised University/Board of any Indian State with PHYSICS, CHEMISTRY, BIOLOGY and ENGLISH (Core or Elective or Functional).
BDS: Candidate, who have passed 12th class examination under 10+2 system conducted by the C.B.S.E./ Council of the Indian School Certificate Examination/Jamia Milia Islamia, New Delhi with required subjects i.e. Physics, Chemistry, Biology and English from the recognized schools conducting regular classes situated within the National Capital Territory of Delhi only, will be eligible for admission for BDS Programme.
- (4) To claim seat under MBBS programme at NDMC for the academic session 2015-16, the candidate must have studied 11th and 12th classes regularly from a recognized school within the National Capital Territory of Delhi.
- (5) To claim seat under BDS programme for the academic session 2015-16, the candidate must have studied 11th and 12th classes regularly from a recognized school within the National Capital Territory of Delhi.
- (6) Candidate must have passed in the subject of Physics, Chemistry, Biology and English (Core or Elective or Functional) individually and must have obtained a minimum of 50% marks together in Physics, Chemistry and Biology (40% in case of SC/ST candidates, subject to availability of seat for these categories in the respective institutions).

Notes:

- (1) All those candidates who have appeared in the qualifying examination with Physics, Chemistry, Biology and English (Core or Elective or Functional) and expect to pass the examination with required percentage of marks are also eligible to apply and appear in the CET: MBBS & BDS-2015. However, their candidature will be considered only if they are able to produce documentary evidence of having passed the qualifying examination with the required subjects and percentage of marks at the time of counselling for admission. **NO PROVISIONAL ADMISSION WILL BE DONE FOR ANY RESULT AWAITED OR COMPARTMENT / SUPPLEMENTARY CASES.** However, In case the result of the Compartment/Supplementary examination(s) is/are declared by the time of admission/counselling and the candidate fulfills the eligibility conditions as mentioned above, then such candidates would be eligible for the admission for the academic session 2015-16.
- (2) It is the responsibility of the candidates to ascertain whether they possess the requisite eligibility and qualifications for admission. Appearing for the written examination does not necessarily mean acceptance of eligibility.
- (3) There will be no rounding-off of the percentage of marks of qualifying examination while deciding the basic eligibility of any candidate for admission e.g. if a candidate obtained 49.9% marks in his/her qualifying examination, then it will not be rounded-off to 50%. Therefore, the candidate is not eligible for that programme where minimum requirement of marks is 50%. In case candidate for any reason fills the minimum percentage wrongly in verification form, he/she shall be exclusively responsible.

2.5.2 Eligibility for admission to ACMS for ARMY category for MBBS programme

For admissions to Army College of Medical Sciences, for the children of eligible serving Army personnel, Ex Army personnel and war widows/widows of the Army, the eligibility criterion shall be notified by 20th February, 2015.

2.5.3 Detailed eligibility criteria for Post Graduate Medical Course CET (PGMC) (CET CODE-102)

1. Candidate should be an Indian citizen. Non-Resident Indians and Foreign Nationals are not eligible.
2. Every candidate selected for admission to Post Graduate Medical Course shall possess MBBS degree recognized by Medical Council of India and must have completed one year compulsory rotatory internship on or before 30th April, 2015. The candidate should have obtained permanent registration with the Medical Council of India or any of the State Medical Council.
3. The candidate must have obtained 600 marks out of 1200, i.e., 50% marks in the Post Graduate Medical Common Entrance Test in case of general category and 40% marks in case of candidates belonging to SC, ST, OBC category, i.e., they are required to obtain 480 marks out of 1200.
4. The candidates should be medically fit to pursue the allocated course on Medical Examination. The selected candidate will be required to undergo Medical Examination by duly constituted medical board at the assigned institution. The candidate shall not be allowed to join the course, if he/she is found medically unfit for the course.
5. The in-service candidates shall submit a No Objection Certificate (NOC) from their employer to the effect that they have no objection and the candidates will be relieved/granted study leave for pursuing the course at the time of counselling, and the certificate should be available at the time of Counselling, failing which he /she will not be eligible for the counselling.
6. No employed / in-service candidate shall be allowed to join a course unless he/she has been relieved/sanctioned study leave from his/her employer.
7. After declaration of result of Post-Graduate Medical Entrance Test (CETCode:102), a candidate who is in service and who is likely to get admission, should initiate the process of obtaining Study Leave/getting relieved so that he/she is able to join the course concerned by the stipulated date.
8. No employed candidate shall be allowed to join a course unless he/she has been relieved/sanctioned study leave from his/her employer.
9. Candidates who are already admitted to any Post Graduate Medical Degree/Diploma Course in any University/Institution as on the date of counselling will not be eligible for admission. Candidate will be required to give an undertaking/ Declaration in this respect at the time of counselling / admission.
10. Candidates who have taken admission in any Post Graduate Medical Degree Course in this University during the academic session 2013-14 or 2014-15 and subsequently resigned from the course concerned are not eligible.
11. Candidate, who has passed a Post-Graduate Degree course, will not be given admission to Diploma Course in the same subject.
12. In case of any dispute, the decision of the Post-Graduate Admission Committee shall be final. However, an appeal could be made to the Vice-Chancellor, Guru Gobind Singh Indraprastha University against such a decision.

2.5.4 Detailed eligibility criteria for Super Specialty Medical Courses (SSMC)(CET CODE-132/133/134/135/136/138/143/144)

1. Candidate should be an Indian citizen. Non-Resident Indians and Foreign Nationals are not eligible.
2. The candidate should be medically fit to pursue the allocated course on medical examination.
3. The candidate must have passed the Post graduate (MD/MS/DNB) examination, as per details mentioned in Section 2.5 of this Chapter, before the of date of commencement of first counselling.
4. The candidate holding Diploma of National Board of Examination will be eligible for admission to Super Specialty Courses, provided they have done thesis work. Evidence of thesis shall be produced by the candidate.
5. The in-service candidates shall submit a No Objection Certificate (NOC) from their employer to the effect that they have no objection and the candidates will be relieved/granted study leave for pursuing the course at the time of counselling, and the certificate should be available at the time of Counselling, failing which he /she will not be eligible for the counselling.
6. No employed / in-service candidate shall be allowed to join a course unless he/she has been relieved/sanctioned study leave from his/her employer.
7. After declaration of result of Super Speciality Medical Courses, a candidate who is in service and who is likely to get admission, should initiate the process of obtaining Study Leave/getting relieved so that he/she is able to join the course concerned by the stipulated date.
8. No employed / in-service candidate shall be allowed to join a course unless he/she has been relieved/sanctioned study leave from his/her employer.
9. Candidates who are already admitted to any Super Specialty Medical Courses in any University/Institution as on the date of counselling will not be eligible for admission. Candidate will be required to give an undertaking in this respect at the time of counselling / admission.
10. Candidates who have taken admission in any Super Specialty Medical Courses through Common Entrance Test conducted by this University during the academic session 2013-14 or 2014-15 and subsequently resigned from the course concerned are not eligible.

CHAPTER- 3: Schedule and Syllabus of Common Entrance Tests

3.1 Bachelor of Technology (B.Tech.) Common Entrance Tests

S. No.	CET	CET Code	Subjects of Entrance Test*	Date, Day & Time of CET - 2015	Date & day of Declaration of CET Result**
1	LEBTECH (DIPLOMA)	128	(I) Applied Mechanics-(25) (II) Applied Mathematics-(25%) (III) Fundamentals of Electrical Engineering and Electronics-(25%) (IV) Fundamentals of Mechanical Engineering & Computer Awareness-(25%)	16.05.2015 (Saturday) 10:30 A.M. to 01:00 P.M..	26.05.2015 (Tuesday)
2	LEBTECH (BSC)	129	(i) B.Sc Level Mathematics- (40%) (ii) English (10+2 level)-(20%) (iii) Analytical & Logical Reasoning (20%) (iv) Scientific Aptitude - (20%)	16.05.2015 (Saturday) 10:30 A.M. to 01:00 P.M.	26.05.2015 (Tuesday)
3	BTECHBT	130	(i) Physics-(25%) (ii) Chemistry-(25%) (iii) Biology (Botany and Zoology) - (50%) or Biotechnology - (50%)	16.05.2015 (Saturday) 02:00 to 04:30 P.M.	26.05.2015 (Tuesday)
4	BTECH	131	(i) Physics-(33.33%) (ii) Chemistry-(33.33%) (iii) Mathematics - (33.33%)	17.05.2015 (Sunday) 02:00 to 04:30 P.M.	26.05.2015 (Tuesday)

Note:

* Syllabi for CET Code 128, for the prescribed subjects shall be of Diploma level. Syllabi for CET Code 130 and 131, for the subjects of Physics, Chemistry, Mathematics, Biology (Botany & Zoology) or Biotechnology shall be upto 12th under the 10+2 Scheme for the students passing class 12th in the year 2015.

** Result shall be declared on or before the notified date.

3.2 Master of Technology (M.Tech.) Common Entrance Tests

S. No.	CET	CET Code	Subjects of Entrance Test	Date, Day & Time of CET - 2015	Date & day of Declaration of CET Result**
1	MTECH (CS)	139	As per the Syllabus of GATE- 2015 Computer Science and Information Technology	16.05.2015 (Saturday) 02:00 - 04:30 P.M.	26.05.2015 (Tuesday)
2	MTECH (EC)	140	As per the Syllabus of GATE 2015-Electronics & Communication Engineering	23.05.2015 (Saturday) 10:30- 01:00 P.M.	02.06.2015 (Tuesday)
3	MTECH (TE)	147	As per the Syllabus of GATE 2015-Production & Industrial Engineering	25.04.2015 (Saturday) 10:30AM- 01:00 PM	05.05.2015 (Tuesday)
4	MTECH (FPT)	148	See Section 3.2.2	25.04.2015 (Saturday) 02.00 - 04:30 PM	05.05.2015 (Tuesday)
5	MTECH (NST)	149	See Section 3.2.3	25.04.2015 (Saturday) 10:30AM- 01:00 PM	05.05.2015 (Tuesday)
6	MTECH (EP)	150	See Section 3.2.4	25.04.2015 (Saturday) 02:00 - 04:30 PM	05.05.2015 (Tuesday)
7	MTECH (CE)	152	As per Syllabus of GATE- 2015 of Chemical Engineering	23.05.2015 (Saturday) 02:00 - 04:30 PM	02.06.2015 (Tuesday)
8	MTECH (RA)	156	See Section 3.2.5	30.05.2015 (Saturday) 02:00- 04:30 P.M	05.06.2015 (Friday)

** Result shall be declared on or before the notified date.

3.2.1 Information for GATE Scholars

CET Code	CET	Last date of application up to 4 PM	Display of List of GATE based Applicants*	Date for display of schedule for verification of Documents	Date for verification of documents	Date of declaration final Merit List
139	MTECH (CS)	07.04.2015 (Tuesday)	21.04.2015 (Tuesday)	15.05.2015 (Friday)	26.05.2015 (Tuesday)	05.06.2015 (Friday)
140	MTECH (EC)					
147	MTECH (TE)					
148	MTECH (FPT)					
149	MTECH (NST)					
150	MTECH (EP)					
152	MTECH (CE)					
156	MTECH (RA)					

Note: Candidates desirous of seeking admission on the basis of GATE Score must appear for document verification as per schedule notified by the University. Authorized representative (with the permission of the Registrar, Guru Gobind Singh Indraprastha University) may appear for verification. In case, a candidate / representative does not appear for document verification, the candidature of such candidates would be forfeited and the candidates shall not be considered for admission.

3.2.2 Syllabus for CET for M.Tech. (Food Processing Technology) CET Code-152

(i) FOOD MICROBIOLOGY

Characteristics of microorganisms: Morphology, structure and detection of bacteria, yeast and mold in food, Spores and vegetative cells; Microbial growth in food: Intrinsic and extrinsic factors, Growth and death kinetics, serial dilution method for quantification; Food spoilage: Contributing factors, Spoilage bacteria, Microbial spoilage of milk and milk products, meat and meat PRODUCTS; FOODBORNE disease: Toxins produced by Staphylococcus, Clostridium and Aspergillus; Bacterial pathogens: Salmonella, Bacillus, Listeria, Escherichia coli, Shigella, Campylobacter; Fermented food: Buttermilk, yoghurt, cheese, sausage, alcoholic beverage, vinegar, sauerkraut and soya sauce.

(ii) MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY

Structure of atoms, molecules and chemical bonds. Composition, structure and function of biomolecules (carbohydrates, lipids, proteins, nucleic acids and vitamins). Stabilizing interactions (Van der Waals, electrostatic, hydrogen bonding, hydrophobic interaction, etc.). Principles of biophysical chemistry (pH, buffer, reaction kinetics, thermodynamics, colligative properties). Bioenergetics, glycolysis, oxidative phosphorylation, coupled reaction, group transfer, biological energy transducers. Principles of catalysis, enzymes and enzyme kinetics, enzyme regulation, mechanism of enzyme catalysis, isozymes Conformation of proteins (Ramachandran plot, secondary structure, domains, motif and folds). Conformation of nucleic acids (helix (A, B, Z), t-RNA, micro-RNA). Stability of proteins and nucleic acids. Metabolism of carbohydrates, lipids, amino acids nucleotides and vitamins.

(iii) CELLULAR ORGANIZATION

Membrane structure and function (Structure of model membrane, lipid bilayer and membrane protein diffusion, osmosis, ion channels, active transport, membrane pumps, mechanism of sorting and regulation of intracellular transport, electrical properties of membranes). Structural organization and function of intracellular organelles (Cell wall, nucleus, mitochondria, Golgi bodies, lysosomes, endoplasmic reticulum, peroxisomes, plastids, vacuoles, chloroplast, structure & function of cytoskeleton and its role in motility). Organization of genes and chromosomes (Operon, unique and repetitive DNA, interrupted genes, gene families, structure of chromatin and chromosomes, heterochromatin, euchromatin, transposons). Cell division and cell cycle (Mitosis and meiosis, their regulation, steps in cell cycle, regulation and control of cell cycle). Microbial Physiology (Growth yield

and characteristics, strategies of cell division, stress response).

(iv) SYSTEM PHYSIOLOGY - PLANT

Photosynthesis - Light harvesting complexes; mechanisms of electron transport; photoprotective mechanisms; CO₂ fixation-C₃, C₄ and CAM pathways. Respiration and photorespiration - Citric acid cycle; plant mitochondrial electron transport and ATP synthesis; alternate oxidase; photorespiratory pathway. Nitrogen metabolism - Nitrate and ammonium assimilation; amino acid biosynthesis. Plant hormones - Biosynthesis, storage, breakdown and transport; physiological effects and mechanisms of action. Sensory photobiology - Structure, function and mechanisms of action of phytochromes, cryptochromes and phototropins; stomatal movement; photoperiodism and biological clocks. Solute transport and photoassimilate translocation - uptake, transport and translocation of water, ions, solutes and macromolecules from soil, through cells, across membranes, through xylem and phloem; transpiration; mechanisms of loading and unloading of photoassimilates. Secondary metabolites - Biosynthesis of terpenes, phenols and nitrogenous compounds and their roles. Stress physiology - Responses of plants to biotic (pathogen and insects) and abiotic (water, temperature and salt) stresses.

(v) FOOD CHEMISTRY AND NUTRITION

Carbohydrates: Structure and functional properties of mono- oligo-polysaccharides including starch, cellulose, pectic substances and dietary fibre; Proteins: Classification and structure of proteins in food; Lipids: Classification and structure of lipids, Rancidity of fats, Polymerization and polymorphism; Pigments: Carotenoids, chlorophylls, anthocyanins, tannins and myoglobin; Food flavours: Terpenes, esters, ketones and quinones; Enzymes: Specificity, Kinetics and inhibition, Coenzymes, Enzymatic and non-enzymatic browning; Nutrition: Balanced diet, Essential amino acids and fatty acids, PER, Water soluble and fat soluble vitamins, Role of minerals in nutrition, Antinutrients, Nutrition deficiency diseases.

3.2.3 Syllabus for CET for M.Tech. (Nano Science and Technology) CET Code-149

Answer any three section, Physics & Chemistry sections are compulsory

1. Physics - 33.33%
2. Chemistry - 33.33%
3. Mathematics - 33.33% Or Biology - 33.33%.

PHYSICS

Interference: Young's double slit experiment, Fresnel's biprism, Thin films, Newton's rings, Michelson's interferometer, Fabry Perot interferometer.

Diffraction: Fresnel Diffraction: Zone plate, circular aperture, opaque circular disc, narrow slit, Fraunhofer diffraction: Single slit, double slit, diffraction grating, resolving power and dispersive power.

Polarization: Types of polarization, Brewsters law, Malu's Law, Nicol prism, double refraction, quarter-wave and half-wave plates, optical activity, specific rotation.

Lasers: Introduction, coherence, population inversion, basic principle and operation of a laser, Einstein A and B coefficients, type of lasers, He-Ne laser, Ruby laser, semiconductor laser, holography-theory and applications Fibre Optics: Types of optical fibres and their characteristics, (Attenuation and dispersion step index and graded index fibres, principle of fibre optic communication-total internal reflection, numerical aperture, fibre optical communication network (qualitative)-its advantages.

Theory of Relativity: Galenlian transformations, the postulates of the special theory of relativity, Lorentz transformations, time dilation, length contraction, velocity addition, mass energy equivalence.

Thermodynamics: The first law and other basic concepts: dimensions, units, work, heat, energy, the first law of thermodynamics, enthalpy, equilibrium, phase rule, heat capacity, PVT behavior of pure substances, ideal gas, real gas, heat effects.

The second law and Entropy: statements, heat engines, Kelvin-Planck and Clausius statements and their equality, reversible and irreversible processes, Carnot cycle, thermodynamic temperature scale,

entropy, entropy calculations, T-S diagrams, properties of pure substances, use of steam tables and Mollier diagram.

Refrigeration and liquefaction: the Carnot refrigerator, the vapor-compression cycle, comparison of refrigeration cycles, liquefaction processes, heat pump. Rankine power cycle.

Quantum Mechanics: Wave particle duality, deBroglie waves, evidences for the wave nature of matter - the experiment of Davisson and Germer, electron diffraction, physical interpretation of the wave function and its properties, the wave packet, the uncertainty principle.

The Schrodinger wave equation (1 - dimensional), Eigen values and Eigen functions, expectation values, simple Eigen value problems - solutions of the Schrodinger's equations for the free particle, the infinite well, the finite well, tunneling effect, simple harmonic oscillator (qualitative), zero point energy. Quantum Statistics: The statistical distributions, Maxwell Boltzmann, Bose-Einstein and Fermi-Dirac statistics, their comparisons, Fermions and Bosons. Applications: Molecular speed and energies in an ideal gas. The Black-body spectrum and failure of classical statistics to give the correct explanation - the application of Bose-Einstein statistics to the Black-body radiation spectrum, Fermi-Dirac distribution to free electron theory, electron specific heats, Fermi energy and average energy - its significance.

Band theory of solids: Origin of energy bands in solids, Kronig-Penny model, Brillouin zones, effective mass, Metals, semiconductors and insulators and their energy band structure. Extrinsic and intrinsic semiconductors, p-n junction diodes- its characteristics, tunnel diode, zener diode, photodiode, LED, photovoltaic cell, Hall effect in semiconductors, transistor characteristics (common base, common emitter, common collector). Digital techniques and their applications (registers, counters, comparators and similar circuits) A/D and D/A converters Superconductivity: ZFC and FC, Meissner effect, Type I and II superconductors, the Josephson effect, flux quantization, Cooper pairs, BCS theory, properties and applications of superconductors.

X-rays: production and properties, crystalline and amorphous solids, Bragg's law, applications. Electricity and magnetism: Electric fields, Gauss' Law, its integral and differential form, applications. Lorentz force, fields due to moving charges, the magnetic field, Ampere's law, motion of a charged particle in an electric and magnetic field, magnetic and electrostatic focussing, Hall effect, determination of e/m by cathode ray tube, positive rays, Thomson's parabolic method, Isotopes, Mass spectrographs (Aston and Bainbridge), Electron microscope, Cyclotron and Betatron.

Overview of Electro - Magnetism: Maxwell's Equations: The equation of continuity for Time - Varying fields, Inconsistency in ampere's law Maxwell's Equations, conditions at a Boundary Surface, Introduction to EM wave.

Nuclear Physics: Introduction of nucleus, Nucleus radius and density, Nuclear forces, Nuclear reactions, Cross section, Q-value and threshold energy of nuclear reactions, Basic Idea for Nuclear Reactor, Breeder reactor, The Geiger-Muller (G.M.) Counter, Introduction of Accelerators and its Applications.

Numerical techniques: Interpolations, differentiation, integration; Nonlinear equations, the bisection methods, Newton's method, root finding; Differential equations, Euler's method, the Runge-Kutta method; Matrices-inverting, finding eigenvalues and eigenfunctions.

CHEMISTRY

Gaseous State: Kinetic theory, molecular velocity, Probable distribution of velocities, mean free path, collision frequency. Distribution of energies of molecules translational, rotational & vibrational, Law of equipartitions of energies, Equation of State of a real gas. Critical phenomenon & principle of corresponding states.

The phase rule: Derivation of phase rule, significance of various terms involved in the definition of phase rule. Phase diagrams of one component systems (Water, Sulphur and CO₂). Two component

system: Eutectic, congruent and incongruent systems with examples: Partial miscible liquids: Lower and upper consolute point.

Chemical thermodynamics: Intensive and extensive variables; state and path functions; isolated, closed and open systems; zeroth law of thermodynamics.

First law: Concept of heat, q , work, w , internal energy U and statement of first law; enthalpy, H , relation between heat capacities, calculations of q , w , U and H for reversible, irreversible and free expansion of gases (ideal and van der Waals) under isothermal and adiabatic conditions. Thermochemistry: Heats of reactions: standard states; enthalpy of formation of molecules and ions and enthalpy of combustion and its applications; calculation of bond energy, bond dissociation energy and resonance energy from thermochemical data, effect of temperature (Kirchoff's equations) and pressure on enthalpy of reactions. Adiabatic flame temperature, explosion temperature.

Second Law: Concept of entropy; thermodynamic scale of temperature, statement of the second law of thermodynamics; molecular and statistical interpretation of entropy. Calculation of entropy change for reversible and irreversible processes.

Third Law: Statement of third law, concept of residual entropy, calculation of absolute entropy of molecules. Free Energy Functions: Gibbs and Helmholtz energy; variation of S , G , A with T , V , P ; Free energy change and spontaneity. Relation between Joule-Thomson coefficient and other thermodynamic parameters; inversion temperature; Gibbs-Helmholtz equation; Maxwell relations; thermodynamic equation of state.

Chemical Kinetics: Rate, mechanism, steady state concept, Kinetics of complex reactions, concept of energy barrier/energy of activation. Theories of reaction rates, Lindemann theory of unimolecular reaction and reactions in flow system.

Electrochemistry: Concept of electrolysis, Electrical current in ionic solutions. Kohlrausch's law and migration of ions. Transference number. Hittroff and moving boundary methods. Applications of conductance measurements. Strong electrolytes: Onsager equation: Activity and activity coefficients of strong electrolyte.

Surface Chemistry: Adsorption, adsorbate and adsorbents. Types of adsorption. Freundlich adsorption isotherm, Langmuir adsorption isotherms. B.C.T. Isotherm: Surface area of the adsorbent. Changes in entropy, enthalpy and free energy on adsorption. Gibbs adsorption equation.

Catalysis: Types of catalysis, homogenous/heterogeneous, enzyme catalysis, acid/base catalysis and their kinetics. Mechanism of heterogeneous catalysis. Kinetics of surface reactions: unimolecular and bimolecular. pH-dependence of rate constants of catalysed reactions.

Autocatalysis Colloids: Colloidal state, classification of colloidal solution, true solution, colloidal solution and suspensions, preparation of sol, Purification of colloidal solutions. viscosity & plasticity General and optical properties, stability of colloids, coagulation of lyophobic sols, electrical properties of sols, kinetic properties of colloids:- Brownian movement, size of colloidal particle, emulsions, gels, colloidal electrolytes and applications of colloids. Emulsions, emulsifiers, theory of emulsification.

Polymers: Basic concepts & Terminology, such as monomers, Polymers, Functionality, Thermoplastics, Thermosets Linear, Branched, cross linked polymers etc. different definitions of molecular weight viz., M_w , M_n , M_v and their determinations. Industrial applications of polymers, Addition, condensation and ionic polymerization's, solutions of polymers, good solvents, & bad solvent, solubility parameter, solutions viscosity and determination of intrinsic viscosity. Atomic Structure: Introduction to wave mechanics, the Schrodinger equation as applied to hydrogen atom, origin of quantum numbers, Long form of periodic table on the basis of Electronic configuration s, p, d, f block elements periodic trends, ionisation potential, atomic and ionic radii electron affinity & electro-negativity. Chemical Bonding: Ionic bond- energy changes, lattice energy Born Haber Cycle, Covalent bond-energy changes, Potential

energy curve for H₂ Molecule, characteristics of covalent compound. Co-ordinate bond - Werner's Theory, effective atomic numbers, isomerism in coordinate compounds. Hydrogen bonding. Concept of hybridisation and resonance, Valence Shell Electron Repulsion theory (VSEPR). Discussion of structures of H₂O, NH₃, SiF₄. Molecular orbital theory, Linear combination of atomic orbitals (LCAO) method. Structure of simple homo nuclear diatomic molecule like H₂, N₂, O₂, F₂.

Acids & Bases: Basics of acidities and basicities, electrolytic dissociation, concept of strengths of acids and bases, ionization of water, concept of pH and its scale, Buffer solutions, Buffer solution of weak acid and its salt, calculation of pH of buffer solution, Henderson equation, acid-base indicators and theory of indicators.

Classification of Organic compounds IUPAC nomenclature, Structural isomerism, Cis-trans isomerism, shapes and molecular orbital structures of compounds containing C, N and O conformation of alkanes, structures of dienes, pyridine, pyrrole, aromatic compounds, delocalisation, concept of aromaticity, stability of cycloalkanes, resonance concept, inductive and mesomeric effects, directive effects, activating and deactivating groups, hydrogen-bonding, organic reagents and reaction intermediates.

Chemistry of hydrocarbons House synthesis halogenation of alkanes, free radical mechanism, cracking effect of structure on Physical properties of compounds, alkenes catalytic hydrogenation, dehydration of alcohols, dehydrogenation, Saytzeff rule, electrophilic addition reactions, peroxide effect, mechanism of allylic substitution, acidity of 1-alkynes, conjugated dienes, 1,2 and 1,4 additions, free radical and ionic mechanisms of addition polymerisation reactions. Ring opening reactions of cyclopropane and cyclobutane, chemistry of benzene and alkyl benzenes. Aromatic electrophilic substitution reaction, Friedel-Crafts reaction.

Chemistry of functional groups Alkyl and aryl halides, nucleophilic substitution, synthetic utility of Grignard reagents and alkylolithiums, Mechanism of Grignard reaction of alcohols, Benzyl alcohol, acidity of phenols, Epoxy compounds, Anisole nucleophilic addition, Benzaldehyde, acetophenone, benzophenone, aldol condensation, acidity of acids, alkyl and aryl amines.

MATHEMATICS

Linear Independence and dependence of vectors, Systems of linear equations - consistency and inconsistency, rank of a matrix, Gauss elimination method, Eigen values and Eigen vectors. Successive differentiation, Leibnitz's theorem, Lagrange's Theorem, Cauchy Mean value theorems, Taylor's theorem, Asymptotes, Curvature, Reduction Formulae of trigonometric functions, Properties of definite Integral, Applications to length, area, volume, surface of revolution. Partial derivatives, Method of Lagrange's multipliers. Jacobians of coordinates transformations. Double and Triple integrals.

Method of separation of variables, homogeneous, linear equations, exactness and integrating factors, linear equations of higher order with constant coefficients, Operator method to find particular integral. Scalar and vector fields, Directional Derivative, Gradient of scalar field, divergence and curl of a vector field. Green's theorem, Divergence theorem and Stoke's theorem.

Probability: Definition of Sample Space, Event, Event Space, Conditional Probability, Additive and Multiplicative law of Probability, Baye's Law theorem, Application based on these results.

BIOLOGY

History of earth, theories of origin of life nature of the earliest organism. Basic rules of classification and nomenclature, Classification-two kingdom, five kingdom - brief introduction to kingdoms, three domain introduction and structure of viroids, prions and virus (HIV, TMV, Bacteriophage), Prokaryote (Bacteria-cell structure, nutrition, reproduction), Protista, Fungi, Plantae and Animalia. Structure and reproduction of bacteria and their economic importance

Chemicals of life: Definition, Properties, Types, Mechanism of action, factors affecting kinetics and their industrial applications, (Biomolecules)- Biomolecules-carbohydrates, proteins, fats and lipids,

nucleic acids (DNA and RNA) and identification of biomolecules in tissues.

Cell: The cell concept, structure of prokaryotic and eukaryotic cells, plant cells and animal cells, cell membranes, cell organelles and their function. Structure and use of compound microscope.

Histology: Meristemes (apical, intercalary, lateral) and their function; simple tissue (parenchyma, collenchymas, sclerenchyma); Complex tissue (xylem and phloem); Tissue systems (epidermal, ground, vascular); primary body and growth (root, stem, leaf); Secondary growth. Animal Epithelial tissue, connective tissue, muscle tissue and nervous tissue and their function in body.

Nutrition: Autotrophic (Photosynthesis) Pigment systems, Chloroplast, light absorption by chlorophyll and transfer of energy, two pigment systems, photosynthetic unit, phosphorylation and electron transport system, Calvin-Benson Cycle (C3), Hatch Slack Pathway (C4), Crassulacian Acid Metabolism (CAM), factors affecting photosynthesis; Mineral Nutrition in plants. Heterotrophic - Forms of heterotrophic nutrition, elementary canal in humans, nervous and hormonal control of digestive systems, fate of absorbed food materials; Nutrition in humans, Reference values. Energy Utilization: (Respiration) - Structure of mitochondria, cellular respiration, relationship of carbohydrate metabolism to other compounds, Glycolysis, fermentation, formation of acetyl co-A, Krebs cycle, Electron Transport System and Oxidative Phosphorylation, ATP, factors affecting respiration.

Transport: Plant water relationships, properties of water, diffusion, osmosis, imbibition, movement of water in flowering plants, uptake of water by roots, the ascent of water in xylem, apoplast symplast theory, Transpiration- structure of leaf and stomata in plants opening and closing mechanism of stomata factors affecting transpiration, significance of transpiration General characteristics of blood vascular system, development of blood systems in animals, Composition of blood, circulation in blood vessels, formation of tissue fluids, the heart, functions of mammalian blood, the immune system.

Food- Cereals(wheat, rice, maize), Beverages (tea, coffee, cocoa), sugarcane, medicinal plants (Taxus, Catharanthus, Salix, Azadirachta) and rubber (Hevea), Apiculture, Sericulture, Vermiculture and Leather.

3.2.4 Syllabus for CET for M.Tech. (Engineering Physics) CET Code-150

1. Physics - 60% 2. Mathematics - 40%

PHYSICS

Interference: Young's double slit experiment, Fresnel's biprism, Thin films, Newton's rings, Michelson's interferometer, Fabry Perot interferometer.

Diffraction: Fresnel Diffraction: Zone plate, circular aperture, opaque circular disc, narrow slit, Fraunhofer diffraction: Single slit, double slit, diffraction grating, resolving power and dispersive power.

Polarization: Types of polarization, Brewsters law, Malu's Law, Nicol prism, double refraction, quarter-wave and half-wave plates, optical activity, specific rotation.

Lasers: Introduction, coherence, population inversion, basic principle and operation of a laser, Einstein A and B coefficients, type of lasers, He-Ne laser, Ruby laser, semiconductor laser, holography-theory and applications Fibre Optics: Types of optical fibres and their characteristics, (Attenuation and dispersion step index and graded index fibres, principle of fibre optic communication-total internal reflection, numerical aperture, fibre optical communication network (qualitative)-its advantages.

Theory of Relativity: Galenlian transformations, the postulates of the special theory of relativity, Lorentz transformations, time dilation, length contraction, velocity addition, mass energy equivalence.

Thermodynamics: The first law and other basic concepts: dimensions, units, work, heat, energy, the first law of thermodynamics, enthalpy, equilibrium, phase rule, heat capacity, PVT behavior of pure

substances, ideal gas, real gas, heat effects.

The second law and Entropy: statements, heat engines, Kelvin-Planck and Clausius statements and their equality, reversible and irreversible processes, Carnot cycle, thermodynamic temperature scale, entropy, entropy calculations, T-S diagrams, properties of pure substances, use of steam tables and Mollier diagram.

Refrigeration and liquefaction: the Carnot refrigerator, the vapor-compression cycle, comparison of refrigeration cycles, liquefaction processes, heat pump. Rankine power cycle.

Quantum Mechanics: Wave particle duality, deBroglie waves, evidences for the wave nature of matter - the experiment of Davisson and Germer, electron diffraction, physical interpretation of the wave function and its properties, the wave packet, the uncertainty principle.

The Schrodinger wave equation (1 - dimensional), Eigen values and Eigen functions, expectation values, simple Eigen value problems - solutions of the Schrodinger's equations for the free particle, the infinite well, the finite well, tunneling effect, simple harmonic oscillator (qualitative), zero point energy. Quantum Statistics: The statistical distributions, Maxwell Boltzmann, Bose-Einstein and Fermi-Dirac statistics, their comparisons, Fermions and Bosons. Applications: Molecular speed and energies in an ideal gas. The Black-body spectrum and failure of classical statistics to give the correct explanation - the application of Bose-Einstein statistics to the Black-body radiation spectrum, Fermi-Dirac distribution to free electron theory, electron specific heats, Fermi energy and average energy - its significance.

Band theory of solids: Origin of energy bands in solids, Kronig-Penny model, Brillouin zones, effective mass, Metals, semiconductors and insulators and their energy band structure. Extrinsic and intrinsic semiconductors, p-n junction diodes- its characteristics, tunnel diode, zener diode, photodiode, LED, photovoltaic cell, Hall effect in semiconductors, transistor characteristics (common base, common emitter, common collector). Digital techniques and their applications (registers, counters, comparators and similar circuits) A/D and D/A converters

Superconductivity: ZFC and FC, Meissner effect, Type I and II superconductors, the Josephson effect, flux quantization, Cooper pairs, BCS theory, properties and applications of superconductors.

X-rays: production and properties, crystalline and amorphous solids, Bragg's law, applications. Electricity and magnetism: Electric fields, Gauss' Law, its integral and differential form, applications. Lorentz force, fields due to moving charges, the magnetic field, Ampere's law, motion of a charged particle in an electric and magnetic field, magnetic and electrostatic focussing, Hall effect, determination of e/m by cathode ray tube, positive rays, Thomson's parabolic method, Isotopes, Mass spectrographs (Aston and Bainbridge), Electron microscope, Cyclotron and Betatron.

Overview of Electro - Magnetism: Maxwell's Equations: The equation of continuity for Time - Varying fields, Inconsistency in ampere's law Maxwell's Equations, conditions at a Boundary Surface, Introduction to EM wave.

Nuclear Physics: Introduction of nucleus, Nucleus radius and density, Nuclear forces, Nuclear reactions, Cross section, Q-value and threshold energy of nuclear reactions, Basic Idea for Nuclear Reactor, Breeder reactor, The Geiger-Muller (G.M.) Counter, Introduction of Accelerators and its Applications. Numerical techniques: Interpolations, differentiation, integration; Nonlinear equations, the bisection methods, Newton's method, root finding; Differential equations, Euler's method, the Runge-Kutta method; Matrices-inverting, finding eigenvalues and eigenfunctions.

MATHEMATICS

Linear Independence and dependence of vectors, Systems of linear equations - consistency and inconsistency, rank of a matrix, Gauss elimination method, Eigen values and Eigen vectors. Successive differentiation, Leibnitz's theorem, Lagrange's Theorem, Cauchy Mean value theorems,

Taylor's theorem, Asymptotes, Curvature, Reduction Formulae of trigonometric functions, Properties of definite Integral, Applications to length, area, volume, surface of revolution. Partial derivatives, Method of Lagrange's multipliers. Jacobians of coordinates transformations. Double and Triple integrals.

Method of separation of variables, homogeneous, linear equations, exactness and integrating factors, linear equations of higher order with constant coefficients, Operator method to find particular integral.

Scalar and vector fields, Directional Derivative, Gradient of scalar field, divergence and curl of a vector field. Green's theorem, Divergence theorem and Stoke's theorem.

Probability: Definition of Sample Space, Event, Event Space, Conditional Probability, Additive and Multiplicative law of Probability, Baye's Law theorem, Application based on these results.

3.2.5 Syllabus for CET for M.Tech. (Robotics & Automation) CET Code-156

ENGINEERING MATHEMATICS

Mathematical Logic: Propositional Logic, First Order Logic.

Complex Variables: Analytic functions, Cauchy's integral theorem and integral formula, Taylor's and Laurent' series. Residue theorem, solution integrals.

Differential equations: First order equation (linear and non-linear), Higher order linear differential equations with constant coefficients, Methods of variation of parameters, Cauchy's and Euler's equations. Initial and boundary value problems, Partial Differential Equations and variable separable method.

Probability and Statistics:-Sampling theorems, Conditional probability, Mean, Median, mode and standard deviation, Random variables, Discrete and continuous distributions, Poisson, Normal and Binomial distribution, Correlation and regression analysis.

Set Theory & Algebra:- Sets: Relations; Functions; Groups; Partial Orders; Lattice; Boolean Algebra.

Combinatorics : Permutations; Combinations; Counting; Summation; generating functions; recurrence relations, asymptotics.

Graph Theory: Connectivity: spanning trees; Cut vertices & edges; covering; matching; independent sets; Colouring; Planarity; Isomorphism.

Linear Algebra:- Algebra of matrices, determinants, systems of linear equations, Eigen values and Eigen vectors.

Numerical Methods:- LU decomposition for systems of linear equations; numerical solutions of non-linear algebraic equations by Secant, Bisection and Newton- Raphson Methods; Numerical integration by trapezoidal and Simpson's rules.

Calculus:- Limit, Continuity & differentiability, Mean value Theorems, Theorems of Integral calculus, evaluation of definite & improper integrals, Partial derivatives, Total derivatives, maxima & minima,

Multiple integrals, Fourier series. Vector identities, Directional derivatives, Line, Surface and Volume integrals, Stokes, Gauss and Green's theorems.

ENGINEERING SUBJECTS

Network theorems: Superposition, Thevenin and Norton's maximum power transfer.

Electric Circuits and Fields: Network graph, KCL, KVL, node and mesh analysis, transient response of dc and ac networks.

Programming in C, Functions.

Electrical Machines: Single phase transformer- equivalent circuit, phasor diagram, tests, regulations and efficiency, DC machines- types, windings, generator characteristics, armature reaction and commutation, starting and speed control of motors; three phase induction motors- principles, types, performances characteristics, starting and speed control; single phase induction motors; synchronous machines- performances, regulation and parallel operation of generators, motor starting, characteristics and application; servo and stepper motors.

Electronic Devices: Generation and recombination of carriers. P-n junction diode, Zener diode, BJT, JFET, MOS capacitor, MOSFET, LED, p-i-n and available photo diode, Basics of LASERS. Device technology.

Basics of Measurement Systems:- Static and dynamic characteristics of Measurement Systems. Error and uncertainty, analysis, statistical analysis of data and curve fitting.

Transducers, Mechanical Measurement and Industrial Instrumentation: Resistive, Capacitive, Inductive and piezoelectric transducers and their signal conditioning. Measurement of displacement, velocity and acceleration (translational and rotational), force, torque, vibration and shock. Measurement of pressure, flow, temperature and liquid level. Measurement of pH, conductivity, viscosity and humidity. Control System:- Principles of feedback, transfer function; block diagrams; steady-state errors, Basic control system components; block diagrammatic description, reduction of block diagrams. Open loop and closed loop (feedback) systems and stability analysis of these systems.

Applied Mechanics:- Free body diagrams and equilibrium, trusses and frames; virtual work; kinematics and dynamics of particles and of rigid bodies in plane motion, including impulse and momentum (linear and angular) and energy formulations, impact, strength of materials- stress, strain and their relationship, Mohr's circle, deflection of beams, bending and shear stress, Euler's theory of columns.

Theory of Machines: Acceleration of a point on a link, Acceleration diagram, Coriolis component of acceleration, Crank and slotted lever mechanism, Klein's construction for Slider Crank mechanism and Four Bar mechanism, Analytical method for slider crank mechanism, Mechanisms with Lower Pairs Pantograph, Exact straight line motion mechanisms- Peaucellier's Hart and Scott Russell mechanism, Approximate straight line motion mechanisms- Peaucellier's, Hart and Scott Russell mechanism. Approximate straight line motion mechanism- Grass-Hopper, Watt and Tchebicheff mechanism, Analysis of Hooke's joint, Davis and Ackermann steering gear mechanisms

3.3 Bachelor of Architecture (B. Arch.)

1. Date for submission of Application Form Online- 1st June 2015 (Monday) to 2nd July 2015 (Thursday).
2. Applicants will have to fill their result of qualifying examination and NATA Score.
3. Display of Registered candidate list on University's Website (www.ipu.ac.in) by Controller of Examinations (Operations): 07th July, 2015 (Tuesday).
4. Display of Schedule for verification of documents 07th July, 2015 (Tuesday).
5. Authorized representative (with the permission of the Registrar, Guru Gobind Singh Indraprastha University) may appear for verification. In case, a candidate/representative does not appear for document verification, the candidature of such candidates would be forfeited and the candidates shall not be considered for admission.
6. Display of Final Merit List 16th July, 2015 (Thursday).

NOTE:

1. There shall be no CET for admissions to B.Arch. Programme.

3.4 Professional Programmes

3.4.1 CET for Post - Graduate Programmes of Studies

S. No.	CET	CET Code	Subjects of Entrance Test*	Date, Day & Time of CET - 2015	Date & day of Declaration of CET Result**
1	MBA	101	(i) English Language & Comprehension- (30%), (ii) Numerical Ability- (30%) (iii) General Awareness- (10%) (iv) Reasoning ability including data interpretation- (30%)	17.05.2015 (Sunday) 10:30AM- 01:00 PM	26.05.2015 (Tuesday)
2	MBA(IT)	116	(i) English Language & Comprehension (ii) Numerical Ability & Mathematics (iii) Logical Reasoning & Data interpretation (iv) Computer Science	09.05.2015 (Saturday) 02:00 - 04:30 PM	19.05.2015 (Tuesday)
3	MCA	105	(i) Mathematics- (25%) (ii) English Language & Comprehension- (25%), (iii) Computer Awareness- (25%) (iv) Logical and Analytical Ability- (25%)	26.04.2015 (Sunday) 10:30 AM- 1:00 PM	05.05.2015 (Tuesday)
4	MMC	106	(i) Communication Skills- English (30%) (ii) Current Affairs- (20%) (iii) General Knowledge- (20%) (iv) Mass Media (Print/ TV/ Radio/ Film/ New Media)- (30%)	02.05.2015 (Saturday) 10:30 AM- 1:00 PM	12.05.2015 (Tuesday)
5	MPT	107	(i) Anatomy (ii) Biomechanics (iii) Exercise (iv) Electrotherapy (v) Physiotherapy- Rehabilitation in Clinical Sciences (vi) Musculoskeletal (vii) Neurology	02.05.2015 (Saturday) 10:30 AM- 1:00 PM	12.05.2015 (Tuesday)
6	MOT	108	(i) Anatomy (ii) Biomechanics (iii) Exercise (iv) Occupational Therapy in Mental Health (v) Occupational Therapy in Rehabilitation of Neurological conditions. (vi) Occupational Therapy in Physical Dysfunction	02.05.2015 (Saturday) 10:30 AM- 1:00 PM	12.05.2015 (Tuesday)
7	MPO	109	(i) Anatomy (ii) Biomechanics (iii) Electrotherapy (iv) Applied Mechanics and strength of materials (v) Prosthetics (vi) Orthotics	02.05.2015 (Saturday) 10:30 AM- 1:00 PM	12.05.2015 (Tuesday)

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8	MPH(FE)	110	(i) General Aptitude (ii) Allied Health Sciences (Biotechnology, Biochemistry, Microbiology and Entomology) (iii) Public Health	02.05.2015 (Saturday) 10:30 AM- 1:00 PM	12.05.2015 (Tuesday)
9	MSCEM	111	(i) Chemistry- (25%) (ii) Environment Science- (25%) (iii) Either Botany and Zoology- (50%) or Physics and Mathematics- (50%)	02.05.2015 (Saturday) 02:00 - 4:30 PM	12.05.2015 (Tuesday)
10	LLM	112	(i) General Knowledge (including English Language)- (20%) (ii) Jurisprudence, Constitutional Law, Law of Torts, Criminal Law, Commercial Law & Family Law- (30%) (iii) Public International Law, Human Rights Law and Environment Law- (30%) (iv) Current Trends in Law- (20%)	02.05.2015 (Saturday) 02:00 - 4:30 PM	12.05.2015 (Tuesday)
11	MAENG	113	(i) English Language & Comprehension (30%) (ii) General Awareness & Culture (20%) (iii) Literature (50%)	03.05.2015 (Sunday) 10:30AM- 01:00 PM	12.05.2015 (Tuesday)
12	MACRIM	118	(i) General Knowledge (ii) General Proficiency in English (Class 12th Standard) (iii) Elementary knowledge of Social Science. (iv) Understanding different faces of human behaviour.	03.05.2015 (Sunday) 02:00 - 04:30 PM	12.05.2015 (Tuesday)
13	MSCF	119	Section- I (50 questions) (i) Critical thinking (ii) Awareness of Laboratory safety (iii) Observation and attention to details (iv) Basic Computer Knowledge Section- II (100 questions) (Four components of 25 marks each) (i) Physics (ii) Chemistry (iii) Biology (Zoology, Genetics, Biotech, Physical Anthropology) (iv) Forensic Science	10.05.2015 (Sunday) 10:30AM-01:00 PM	19.05.2015 (Tuesday)
14	MED	120	(i) Teaching Aptitude (40%) (ii) General Awareness and Logical Reasoning (30%) (iii) English / Communication skills (30%)	10.05.2015 (Sunday) 10:30AM- 01:00 PM	19.05.2015 (Tuesday)
15	MSCBC	123	(i) Life Sciences (Taxonomy, morphology, anatomy, physiology, genetics, evolution, ecology, bio- geography and economic uses of all the five kingdoms and virus.) (50%) (ii) Anthropology- Human culture and Society (10%) (iii) Biotechnology (20%) (iv) General Knowledge related to Environment issues (20%)	16.05.2015 (Saturday) 10:30AM- 01:00 PM	26.05.2015 (Tuesday)

16	MCPHMAH M	141	(i) Indian History, Culture & Archaeology (ii) Museums of India (iii) Heritage Tourism (iv) Basic Science (12th Standard) (v) General Knowledge (vi) Current Affairs (vii) General Reasoning (viii) Geography & Natural Heritage (ix) Management of Heritage (x) Heritage Conservation	16.05.2015 (Saturday) 02:00 - 04:30 PM	26.05.2015 (Tuesday)
17	NRM	145	(i) Environment Science - (30 %) (ii) Biology- (40%) (iii) General Knowledge - Social Science, Economics & Policy- (30%)	23.05.2015 (Saturday) 10:30 A.M. - 01:00 P.M.	02.06.2015 (Tuesday)
18	MPHILCP	157	(i) Development Psychology (ii) Quantitative Techniques for Psychology (iii) Advanced Social Psychology (iv) Motivation and Personality (v) Organizational Psychology and Consumer Behaviour (vi) Organizational Behaviour: Basics of Organizational Behaviour (vii) Forensic Psychology: Study of Criminal Behaviour (viii) Psychopathology and Crime and Delinquency (ix) Guidance, Counselling and Psychology (x) Interpersonal Relationship (xi) Cognitive Psychology (xii) Applied Cognitive Psychology (xiii) Mental Abilities (xiv) Psychology Practical (xv) Class Room Psychology (xvi) Psychology Happiness (xvii) Psychology of Peace (xviii) Experimental Psychology (xix) Evolutionary Psychology (xx) Intervention Systems in Psychology (xxi) Child Assessment (xxii) Child Emotional and Behavioural Problems and Interventions (xxiii) Health Psychology (xxiv) Human Resource Management (xxv) Personnel Psychology (xxvi) Social Psychology and Praxis (xxvii) Change Management (xxviii) Consultation - Liaison Psychology (xxix) Organizational Development (xxx) Palliative Care and Counselling (xxxi) Group Processes (xxxii) Training and Development (xxxiii) Advanced General Psychology (xxxiv) Systems and Theories (xxxv) Experimental Psychology (xxxvi) Social Psychology (xxxvii) Advanced Social Psychology: Issues in Social Behaviour (xxxviii) Human Development (xxxix) Psychometrics	30.05.2015 (Saturday) 02:00 - 04:30 PM	05.06.2015 (Friday)

			(xl) Physiological Psychology (xli) Personality (xlii) Principles and Applications of Counselling (xliii) Psychopathology and Clinical Psychology (xliv) Community Psychology (xlv) Psychology of Group Dynamics Clinical & Health Psychology: Basic Psychological Processes in Health Disease Research Methods and Statistics (xlvii) Applied Behaviour Analysis and Cognitive- Behaviour Therapy (xlviii) Neuropsychological Rehabilitation (xlix) Managing Organizational Culture and Processes Leadership and Organizational Change (l) Personality Disorders: Theory, assessment, and Interventions (li) Rehabilitation Psychology (lii) Sports Psychology (liii) Consumer Psychology (liv) Disaster Management (lv) Environmental Psychology (lvi) Family and Couples Therapy (lvii) Gender and Psychology (lviii) Workplace Counselling		
19	MCADD	142	(i) Maths (25%) (ii) Physics (25%) (iii) English (25%) (iv) Logical Reasoning & Mental Ability (25%)	23.05.2015 (Saturday) 10:30A.M. - 01:00 P.M.	02.06.2015 (Tuesday)

* The division of number of questions in subparts of the syllabi is indicative.

** Result shall be declared on or before the notified date.

1. Level of questions asked shall be as per the level of qualifying examinations for entry to the programme(s) of studies.

3.4.2 CET for Programmes of Studies at Graduation Level

S. No.	CET	CET Code	Subjects of Entrance Test*	Date, Day & Time of CET - 2015	Date & day of Declaration of CET Result**
1	BCA	114	(i) English Language & Comprehension (15%) (ii) Mathematics - (30%) (iii) Computer Awareness- (30%) (iv) General Knowledge- IT and Science Related - (25%)	03.05.2015 (Sunday) 10:30AM- 01:00 PM	12.05.2015 (Tuesday)
2	BSCN [only for Unmarried Female Candidates]	115	(i) Physics - (20%) (ii) Chemistry- (20%) (iii) Biology- (40%) (iv) English Language and Comprehension - (10%) (v) General Awareness about Health related Matters- (10%)	03.05.2015 (Sunday) 02:00 - 04:30 PM	12.05.2015 (Tuesday)
3	LLB	121	(i) English Language and Comprehension- 25% 1. Use of prepositions, article, etc - 5% 2. Sentence Construction - 5% 3. Narration - 5% 4. Comprehension - 5% 5. Vocabulary - 5% (ii) General Knowledge- 25% 1. National Culture and History - 5% 2. Geography and Natural Resources - 5% 3. Science and Technology - 5% 4. International Affairs - 5% 5. Current National Events - 5% (iii) Reasoning- 25% 1. Numerical - 10% 2. Logical - 15% (iv) Legal Aptitude- 25% 1. General Legal Awareness - 10% 2. Understanding and Application of Legal Principles - 15%	09.05.2015 (Saturday) 02:00 - 04:30 PM	19.05.2015 (Tuesday)
4	BED	122	(i) English Comprehension- 10% (ii) Mental Ability- 20% (iii) Reasoning - 20% (iv) General Awareness - 20% (v) Aptitude for Teaching - 30%	09.05.2015 (Saturday) 10:30AM- 01:00 PM	19.05.2015 (Tuesday)
5	PARA	124	(i) Physics- (25%) (ii) Chemistry - (25%) (iii) Biology- (50%)	10.05.2015 (Sunday) 10:30AM- 01:00 PM	19.05.2015 (Tuesday)
6	BBA	125	(i) English Language & Comprehension - (25%) (ii) General Awareness- (25%) (iii) Logical and Analytical Ability- (25%) (iv) Aptitude relating to the field of Management and for Communication Skills- (25%)	10.05.2015 (Sunday) 02:00 - 04:30 PM	19.05.2015 (Tuesday)

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7	BJMC	126	(i) English Language & Comprehension - (25%) (ii) General Awareness- (25%) (iii) Reasoning- (25%) (iv) Media Aptitude- (25%)	16.05.2015 (Saturday) 10:30AM- 01:00 PM	26.05.2015 (Tuesday)
8	BHMCT	127	(i) English Language & Comprehension - (25%) (ii) General Awareness- (20%) (iii) Logical and Analytical Ability including Computer awareness- (30%) (iv) Knowledge of accounts / commerce & science- (20%)	24.05.2015 (Sunday) 10:30AM- 01:00 PM	02.06.2015 (Tuesday)
9	BCOM	146	(i) General English - (25%) (ii) Logical Reasoning- (25%) (iii) Data Interpretation - (35%) (iv) Basic General Awareness- (15%)	24.05.2015 (Sunday) 02:00 - 04:30 PM	02.06.2015 (Tuesday)
10	BSCYS	117	(i) Physics (25%) (ii) Chemistry (25%) (iii) Biology (50%)	30.05.2015 (Saturday) 10:30AM- 01:00 PM	05.06.2015 (Friday)
11	BSCMT(RT)	158	(i) Physics - (40%) (ii) Biology - (20%) (iii) Chemistry - (15%) (iv) English Language & Comprehension - (10%) (v) General awareness about health related methods - (10%)	30.05.2015 (Saturday) 02.00 - 04:30 PM	05.06.2015 (Friday)

* The division of number of questions in subparts of the syllabi is indicative.

** Result shall be declared on or before the notified date.

1. Level of questions asked shall be as per the level of qualifying examinations for entry to the programme(s) of studies.

3.4.3 Post Graduate Diploma Programmes

NOTE:

1. The mode of admissions to this programme shall be notified on or before 20th February, 2015.

3.4.4 Programmes of Studies for which classes are conducted on weekends

CET Code	CET	Last date of application up to 4 PM (A)	Display of List of Applicants*	Date for display of schedule for verification of Documents**	Date for verification of documents **	Date of declaration final Merit List**
155	MBAW	07.04.2015 (Tuesday)	A + 14 days	A + 21 days	A + 28 days	A + 35 days
176	MJMC					
181	LLMW					
186	MBADM					

* To be declared by Controller of Examinations (Operations).

** By the Dean / Director of concerned University School of Studies / Director of Centre.

MBAW: Dean, University School of Management Studies.

MJMC: Dean, University School of Media Studies.

LLMW: Dean, University School of Law and Legal Studies.

MBADM: Director: Centre for Disaster Management.

3.5 Graduate and Post-Graduate Medical Programmes of Studies

S. No.	CET	CET Code	Subjects of Entrance Test	Date, Day & Time of CET - 2015	Date & day of Declaration of CET Result**
1	MBBS Stage - I	103	(i) Physics - 25% (ii) Chemistry - 25% (iii) Biology - 50%	26.04.2015 (Sunday) 02.00 - 05:00 PM	05.05.2015 (Tuesday)
	MBBS Stage - II	103	(i) Physics - 25% (ii) Chemistry - 25% (iii) Biology - 50%	23.05.2015 (Saturday) 02.00 - 05:00 PM	28.05.2015 (Thursday)
2	BDS	104	(i) Physics - 25% (ii) Chemistry - 25% (iii) Biology - 50%	02.05.2015 (Saturday) 02.00 - 05:00 PM	12.05.2015 (Tuesday)
3	PGMC	102	See Section 3.5.1	21.03.2015 (Saturday) 10:30AM - 1:30PM	24.03.2015 (Tuesday)
4	DMCARD	132	Basic Sciences & Medicine as applied to Cardiology	23.05.2015 (Saturday) 10:30 AM to 12:00 Noon	02.06.2015 (Tuesday)
5	MCHCTVS	133	Basic Sciences & Surgery as applied to CTVS	23.05.2015 (Saturday) 10:30 AM to 12:00 Noon	02.06.2015 (Tuesday)
6	MCHNS	134	Basic Sciences & Surgery as applied to Neuro Surgery	23.05.2015 (Saturday) 02.00 - 3:30PM	02.06.2015 (Tuesday)
7	DMN	135	Basic Sciences & Medicines as applied to Neurology	23.05.2015 (Saturday) 02.00 - 3:30PM	02.06.2015 (Tuesday)
8	MCHPLAST	136	Basic Sciences & Medicines as applied to Burns, Plastic & Maxillofacial Surgery	24.05.2015 (Sunday) 10:30 AM to 12:00 Noon	02.06.2015 (Tuesday)
9	DMPCCM	138	Basic Sciences & Medicines as applied to Pulmonary & Critical Care Medicine	24.05.2015 (Sunday) 10:30 AM to 12:00 Noon	02.06.2015 (Tuesday)
10	MCHPAED	143	Basic Science & Surgery applied to Paediatrics Surgery	24.05.2015 (Sunday) 02.00 - 3:30PM	02.06.2015 (Tuesday)
11	MCHURO	144	Basic Sciences & Medicine as applied to Urology	30.05.2015 (Saturday) 10:30 AM to 12:00 Noon	05.06.2015 (Friday)

** Result shall be declared on or before the notified date.

3.5.1 CET for PGMC (CET Code 102)

- The Entrance Test shall cover all subjects of MBBS course and will comprise of one Paper of 3 hours duration. This paper shall carry 300 Multiple Choice Questions (MCQs) of 4 marks each, divided in two sections viz. I & II. The subjects covered under these Sections are detailed

below:-

1. Section-I Pre & Para-Clinical subjects, i.e., Pathology, Physiology, Pharmacology, Forensic Medicine, Medical Microbiology, Medical Bio-Chemistry and Anatomy.
2. Section-II Clinical Subjects, i.e., General Medicine, Obstetrics & Gynecology, Paediatrics, Anesthesiology, Dermatology including Venereology & Leprosy, Radio-Diagnosis, Radio-Therapy, Community Medicine, Pulmonary Medicine, Psychiatry, General Surgery, Orthopaedics, Ophthalmology and Otorhinolaryngology.
3. Section-I will be of one hour duration and will carry 100 MCQs allocated 400 marks and Section-II will be of two hours duration and will carry 200 MCQs allocated 800 marks respectively.

Note: Students will be required to distribute their time of 3 hours duration for the two sections in such a way that they are able to finish Section - I within 1 hour and Section -II in the next 2 hours.

2. Every question shall have four alternative answers, and out of these only one correct or most appropriate answer should be selected and marked on the OMR answer sheet provided with each paper.
3. There will be negative marking for every incorrect answer. 'Incorrect answers will include Wrong answers' as well as "those which contain more than one answer to the question." For each incorrect answer 1 mark will be deducted.
4. Candidates are required to bring a black ball point pen to the Examination Hall for marking their responses by darkening the ovals on OMR answer sheet. Use of pencil is strictly prohibited.
5. The University will not entertain any request for re-checking, re-evaluation, re-assessment or scrutiny of OMR answer sheet.
6. For those who are unable to appear in the CET:PGMC 2015 on the scheduled date for any reason, re-test will not be held by the University under any circumstances and the fee deposited for such test shall not be refunded.

3.6 List of City/ Centre for B. Tech/ MBBS Stage II MCA/ MBA programmes for Common Entrance Test (CET-2015)

- (i) The CET for the above mentioned programmes will be held at following centres provided sufficient number of candidates opt for a particular centre:

S.No	Name of the City/ Centre	Centre/ City Code
1	Bengaluru	51
2	Bhopal	52
3	Chandigarh	53
4	Dehradun	54
5	Delhi	55
6	Jaipur	56
7	Jalandhar	57
8	Kolkata	58
9	Lucknow	59

- (ii) MBBS (Stage II) test will be conducted only in Delhi.
(iii) For all other programmes the Common Entrance Tests (CET 2015) will be conducted only in Delhi.
(iv) The choices indicated by the candidates in respect to the Centres of Entrance Examination shall

only be considered as their preferred choices. The actual Centre Code will be allotted by the University and the same shall be considered as final. Neither any change in the preferences already indicated by the candidate shall be allowed by the University nor any correspondence in this regard will be entertained under any circumstances. The University may drop any of the above mentioned centres if sufficient number of candidates are not available or for any other reason deemed appropriate to drop the centre.

In case University decides to drop both the preferences of centres given by the candidate then, in such circumstances, 'Delhi' centre will be allotted. The allotment of centres will be rearranged if that choice is not available.

3.7 General guidelines for Common Entrance Examinations

1. The written examinations conducted are OMR based.
2. For marking / writing on the OMR answer sheet , a black ball pen should (only) be used.
3. The marks for the correct answers are specified in the question booklet given at the time of examinations.
4. There may be negative marking for every incorrect answer. 'Incorrect answers will include Wrong answers' as well as "those which contain more than one answer to the question." For each incorrect answer 1 mark will be deducted. The negative marking scheme of examination for a particular CET shall be specified in question booklet. For all examinations other than DM/MCH (SSMC) there shall be negative marking.
5. The University shall declare the result of each CET in respect of qualifying candidates as given in the tables given above and the list will be displayed on the University's website, i.e., <http://www.ipu.ac.in> No separate intimation to this effect will be sent to the candidates individually.
6. The University does not issue or supply or intimate the marks / ranks to any candidate and no correspondence on the subject will be entertained. However, marks obtained by individual candidate can be seen or downloaded from the University's website <http://www.ipu.ac.in>
7. Requests for revaluation/ re-checking of OMR answer sheet will not be entertained under any circumstances.

3.8 Result Awaited Cases For Engineering, B.Arch. & Professional Programmes (Except MBBS/BDS/PGMC/SSMC)

1. **Compartment/Supplementary Cases:**
 - i. All such candidates who have appeared in the qualifying examination (irrespective of the outcome of their final result) will be eligible to appear in the CET 2015-16 and all such candidates will be provisionally admitted in the respective programmes. Further, such provisionally admitted candidates will have to fulfill his/her eligibility as per the eligibility laid down in the admission brochure, latest by October 15, 2015.
 - ii. All such candidates whose result is awaited, will have to submit an affidavit at the time of admission/ verification of document (schedule to be notified later) on non-judicial stamp paper of Rs.10/- in the prescribed Proforma (to be made available on or before 20th February, 2015). Further, in case the candidate is minor i.e. below 18 years of age; in that case, the affidavit shall be signed by his/her parent/guardian. Candidates/parents/guardians may further note that submission of false affidavit is a punishable offence;
 - iii. The candidate will have to submit the final result of qualifying degree proving his/her eligibility on or before October 15th, 2015 (Thursday) to their Concerned Dean/Principal/Director of their respective School/College/Institute where the admission has been granted. The concerned Dean/Principal/Director must submit the details of the results of these provisionally admitted students within 07 days, i.e. October 22nd, 2015, to the Incharge (Admissions), Academic Reception Counter, Administrative Block, GGS

Indraprastha University, Sec 16 C, Dwarka, New Delhi-110078, duly signed by the concerned Dean/Principal/Director;

- iv. In case the candidate fails to submit his/her final result of qualifying degree in the manner as prescribed above to prove his/her eligibility on or before October 15th, 2015, whatsoever the reason may be, his/her admission will be treated as null and void (cancelled) and the entire fee will be forfeited and under no any circumstances he/she will be allowed to appear in the End Term Exam. No extension beyond October 15th, 2015 shall be allowed by the university in any case. The Dean of the Schools/Director/Principal shall be responsible to ensure that the eligibility of all students are checked by them to ensure correctness of admissions specially in case of provisionally admitted students. The provisional admission will automatically stand cancelled if the candidate fails to submit result in time i.e. October 15th, 2015.
2. There will be no rounding-off of the percentage of marks of qualifying examination while deciding the basic eligibility of any candidate for admission for e.g. if a candidate obtained 49.9% marks in his/her qualifying examination, then it will not be rounded-off to 50%. Therefore, the candidate is not eligible for that programme where minimum requirement of marks is 50%. In case candidate for any reason fills the minimum% wrongly in Verification Form, he/she shall be solely responsible.
3. The eligibility in the LLB programme will be strictly laid down by Bar Council of India. As per Bar Council of India letter No. LE Cir.: 02/2010 dated 20.12.2010, it is stated that “*The applicants who have obtained 10+2 or graduation/post graduation through Open Universities system directly without having any basic qualification for prosecuting such students are not eligible for admission in the law courses.....*” Ref.: BCI Letter No. BCI:D:1823/2010 (LE) dated 31.11.2010.
4. **Physical Fitness:** The applicant must be in good mental and physical health and should be free from any physical defect which is likely to interfere with his/her studies including active outdoor duties required of a professional. Accordingly, all the students shall be required to submit a Medical Certificate indicating fitness from a Registered Medical Practitioner as per format given in (to be made available on or before 20th February, 2015).

3.9 Age Limit for all programmes (Except PGMC/SSMC)

S.No.	Programme	As on 01.08.2015 candidate should not be beyond
1	For all Undergraduate Programmes where entry qualification is 12th pass other than MBBS/BDS	21 years
2	For MBBS/BDS	25 years
3	For all other Post Graduate Programmes where entry qualification is graduation	35 years

Note:

1. Candidate should be not less than 17 years as on 31st December 2015 for BHMS/BAMS/MBBS/BDS Programme.
2. For MPH (FE) programme upper age limit is 45 years for In service candidates and 35 years as on 1st August 2015 for Direct candidates.
3. For BHMS candidates, the candidate must have attained or will attain the age of Seventeen (17) years as on 31st December 2015. The candidates attaining seventeen years on 01st January 2016 or later will not be eligible. Also, the Blind (including colour blind), deaf and/or dumb candidates shall not be eligible for admission in the course.
4. **Age Relaxation:** The upper age limit may be relaxed upto a maximum of five years in exceptional cases by the Admission Officer (designated) of the concerned programme (except MBBS/BDS) if he/she is satisfied with the merit of the case. Candidates

exceeding the upper age limit upto five years may provisionally apply/ appear in the Common Entrance Test. However, they would be required to submit to the satisfaction of the Admission Officer an explanation regarding the gap period, i.e., the details of the period spent by him/her after passing the qualifying examination to justify the relaxation. Such explanation should be in the form of an application to the concerned Admission Officer along with supporting documents (if any). Any relaxation of age beyond this shall be given by the Competent Authority of the University. The candidates desirous of applying for age relaxation should apply in writing to Registrar, Guru Gobind Singh Indraprastha University. The application should reach the Admission Division of the University on or before 20th April, 2015 at the address:

Incharge Admissions, Admission Branch, Guru Gobind Singh Indraprastha University, Dwarka, Sector 16C, Delhi 110078.

Late applications shall be summarily rejected.

5. If a candidate takes admission on the basis of a false age value, the admission of such a candidate shall be cancelled with forfeiture of entire fees paid, as and when such cases are detected.

CHAPTER- 4: CET Admit Card

1. The Admit Card will be made available online, 7 days before the date of the CET. The Admit Cards may be downloaded from the candidates individual account using log-in ID and password from the website which was used for filling up the application form.
2. No candidate will be allowed to enter the Examination Hall without the valid CET Admit Card 2015, issued by the University.
3. Candidates are required to carry two printouts of the admit card at the time of CET. One copy of the admit card should be retained by the candidate after getting it signed by the Invigilator. The second copy should be handed over to the Invigilator for University records. Both the copies shall require that a passport sized photograph of the candidate is pasted. Candidates are advised to keep two copies of the photograph uploaded at the time form filling handy for this purpose for each CET applied for.
4. Candidate must preserve the CET Admit Card till the admission procedure is over as it has to be handed over to the Admission Officer at the time of counselling/admission.
5. Request for issue of duplicate Admit Card will not be entertained after the Common Entrance Test (under any circumstances).
6. No claim of having filled up the Application Form and non-receipt of admit card will be admissible after the CET.
7. Impersonation is a punishable offence. No candidate will be permitted to appear in CET without the Admit Card. The admit card should be presented to the invigilator(s) for verification. The candidate's identity will be verified in respect of his/her details on the admit card/centre verification record. If the identity is doubtful, the candidate may not be allowed to appear in the examination. The authorities may permit the candidates to appear for the examination after completing the necessary formalities (visible mark of identification) at their discretion. No extra time will be allowed for these formalities to be completed. Police action will be initiated in case of dubious identity.
8. MBBS Stage II : New CET admit card will be issued for MBBS (Stage-II) examination 7 days before the date of the CET. The Admit Cards may be downloaded from the candidates individual account using log-in ID and password from the website which was used for filling up the application form.
9. In case of non receipt of Admit Card the candidate may contact Office of Controller of Examinations (Operations) at GGSIP University, Sector 16C , Dwarka, New Delhi 110078 at least 5 days before the scheduled commencement of respective CET. The application in this regard must be supported by a copy of the printed version of the application form and proof of payment for the application for admissions. Without the submission of these two documents, no application in regard to non-receipt of admit cards shall be entertained, the application in this regard shall be deemed incomplete and rejected without intimation to the applicant.



**GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY**

--Sd--

Registrar

Guru Gobind Singh Indraprastha University
Sector 16C, Dwarka, Delhi 110078