Guidance for Competitive exam

The current era is full of competition and the students should appear in number of competitive examinations. All the students should be encouraged and guided to prepare for such challenging examinations. Various departments are conducting their regular classes and various activities while keeping a track with the need of the day. The institute sometimes conduct special lectures and different competitive classes for the development of the students. Number of students derives benefit of the activities conducted by this. They acquire knowledge about how to plan and prepare tactfully for the examinations. Through interactions they recognize their true potentials and abilities to attain success. Regular classes are held for Engineering students (GATE), Pharmacy graduates (GPAT), basic science students (NET) and other courses scholars for preparation of examination like NISM, ICAR, Judiciary classes etc.

The Graduate Aptitude Test in Engineering (GATE) is an examination which primarily assesses the comprehensive understanding of various undergraduate

subjects in engineering and science, for admission into the Masters Program and recruitment by some Public Sector Companies.

The National Eligibility Test (NET), also known as UGC NET or NTA-UGC-NET, is the examination for determining the eligibility for the post of assistant professor and/or Junior Research Fellowship award in Indian universities and colleges. The Teacher Eligibility Test, known as TET, is the minimum qualification required in India for a person to be eligible for an appointment as a teacher for Classes I to VIII. The test is mandatory for teaching jobs in Indian government schools.Candidates should have obtained a Diploma in Education or Bachelor of Education (B. Ed) or completed any other prescribed teacher training programme/course.

Lower Judiciary Services – The eligibility criteria for appearing in Judicial Services Examination is a degree in LL. B and he/she can be enrolled or qualified to be enrolled as an Advocate under the Advocates' Act 1961. No experience is required and final year candidates can also appear.

NISM :Anyone who is 18 years and above can participate in the NISM exam and become a mutual fund distributor/ advisor. There is no educational qualification listed as per the Association of Mutual fund (AMFI) website. (BBA and B Com).

Students benefited by guidance for competitive examinations offered by the Institution during the 2019-20

Sr. No.	Deptt	Session	Details of career counseling	Number of students attended / participated	Page No./Hyperlink
1	B.TECH (CEA)	2019-20	Gate Preparation	3	4
2	B.TECH (CE)	2019-20	Preparation classes for GATE	12	9
3	B.TECH (ECE)	2019-20	GATE Preparation Program	9	15
4	B.TECH (EE)	2019-20	GATE Preparation Program	15	19
5	B.TECH (ME)	2019-20	GATE classes	17	26
6	Biotechnology	2019-20	Competitive exam Preparation	12	32
7	Chemistry	2019-20	Competitive exam preparation-IIT-JAM	11	36
8	Education	2019-20	Special classes for the preparation of TET/CTET	19	41
9	IBM PG	2019-20	Preparation classes for NISM [MBA]	66	42
10	IBM UG	2019-20	Classes of Developing Competitive Edge	246	50
11	IPR	2019-20	Graduate Pharmacy Aptitude Test (GPAT Classes)	12	55
12	LAW	2019-20	CORPORATE PREPATION	12	58
13	LAW	2019-20	Judiciary Classes	40	64

GLA UNIVERSITY MATHURA

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Competitive Exam Report (2019-20)

Department of Computer Engineering & Applications

About GATE 2020

Graduate Aptitude Test in Engineering (GATE) is basically an examination on the comprehensive understanding of the candidates in various undergraduate subjects in Engineering/Technology/Architecture and post-graduate level subjects in Science. GATE 2020 will be conducted for 25subjects (also referred to as "papers") and it would be distributed over 1st, 2nd, 8th & 9th of February2020. The GATE examination centers are spread in different cities across India, as well as, in six cities outside India. The examination would be purely a Computer Based Test (CBT).The GATE score would reflect the relative performance level of the candidate in a particular subject, which is quantified based on the several years of examination data. Note that the GATE 2020 score is valid for THREE YEARS from the date of announcement of the results.

GLA UNIVERSITY MATHURA

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Competitive Exam Report (2019-20)

Department of Computer Engineering & Applications

Notice

Date:05-07-2019

All students of B. Tech. III year and IV year are informed that GATE classes are being arranged from August 2019 onwards. All the interested students can give their names in the department for the same till 20th July, 2019.

Programme Name - B. Tech. (CSE)

Semester/Section - VII/V/All

Session - 2019-20

Name of Faculty- Mr. Himanshu Sharma/Mr. RohitAgrawal

Designation Assistant Professor

Subject - GATE 2020 for CSE

Date – 5 Aug - 2019

Timing - 4-6 pm

Venue - Room No. 424, AB-I

(Prof. Anand Singh Jalal)
Head of Department, CEA

Head of the Department
Computer Engineering & Applications
Institute of Engineering & Technology
GLA University, Mathura

Competitive Exam Report (2019-20)

Department of Computer Engineering & Applications

Syllabus

CS	Computer Science and Information Technology

General Aptitude(GA): Common Syllabus for all papers

The GATE CS Syllabus consists of GA section which will follow the same pattern of questions and marking scheme for all the papers of GATE 2017. This section is considered to be easy and will test your English skills and general numeric ability.

Verbal Ability: English grammar, sentence completion, verbal analogies, word groups, instructions, critical reasoning and verbal deduction.

Numerical Ability: Numerical computation, numerical estimation, numerical reasoning and data interpretation.

Section1: Engineering Mathematics

Discrete Mathematics: Propositional and first order logic. Sets, relations, functions, partial orders and lattices.Groups. Graphs: connectivity, matching, coloring. Combinatorics: counting, recurrence relations, generating functions.

Linear Algebra: Matrices, determinants, system of linear equations, eigenvalues and eigenvectors, LU decomposition.

Calculus: Limits, continuity and differentiability. Maxima and minima. Mean value theorem. Integration.

Probability: Random variables. Uniform, normal, exponential, poisson and binomial distributions. Mean, median, mode and standard deviation. Conditional probability and Bayes theorem.

Computer Science and Information Technology

Section 2: Digital Logic

Boolean algebra. Combinational and sequential circuits.Minimization.Number representations and computer arithmetic (fixed and floating point).

Section 3: Computer Organization and Architecture

Machine instructions and addressing modes. ALU, data□path and control unit.Instruction pipelining. Memory hierarchy: cache, main memory and secondary storage; I/O interface (interrupt and DMA mode).

Section 4: Programming and Data Structures

Programming in C. Recursion. Arrays, stacks, queues, linked lists, trees, binary search trees, binary heaps, graphs.

Section 5: Algorithms

Searching, sorting, hashing. Asymptotic worst case time and space complexity. Algorithm design techniques: greedy, dynamic programming and divide□and□conquer. Graph search, minimum spanning trees, shortest paths.

Section 6: Theory of Computation

Regular expressions and finite automata. Context-free grammars and push-down automata.Regular and contex-free languages, pumping lemma.Turing machines and undecidability.

Section 7: Compiler Design

Lexical analysis, parsing, syntax-directed translation. Runtime environments.Intermediate code generation.

Section 8: Operating System

Processes, threads, inter□process communication, concurrency and synchronization. Deadlock.CPU scheduling.Memory management and virtual memory. File systems.

Section 9: Databases

ER□model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control.

Section 10: Computer Networks

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Competitive Exam Report (2019-20)

Department of Computer Engineering & Applications

Concept of layering. LAN technologies (Ethernet). Flow and error control techniques, switching. IPv4/IPv6, routers and routing algorithms (distance vector, link state). TCP/UDP and sockets, congestion control. Application layer protocols (DNS, SMTP, POP, FTP, HTTP). Basics of Wi-Fi. Network security: authentication, basics of public key and private key cryptography, digital signatures and certificates, firewalls.

NOTICE FOR GATE CLASSES 2019-2020

GLA UNIVERSITY
MATHURA
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Department of Civil Engineering
GLA University, Mathura

Date: 03rd Sep, 2019

Notice

This is to notify that students of Civil Engineering IV year can attend the preparatory sessions for GATE. Interested students can register their name and attend the sessions to prepare efficiently. Interested candidates should contact Mr. Anuj Goyal before 9th Sep, 2019. Schedule of the classes will be shared on/before 16th Sep, 2019

Professor & Head
Department of Civil Engineering
Institute of Engineering & Technology
GLA University, Mathura-281 406

Head,
Department of Civil Engineering

GLA UNIVERSITY

Department of Civil Engineering

Schedule for GATE classes 2019-2020			
Sr.No.	Date	10:30 – 12:30	2:00 – 5:00
1	20/09/2019	Engineering Mechanics	Engineering Mechanics
2	27/09/2019	Solid Mechanics	Solid Mechanics
3	04/10/2019	Solid Mechanics	Structural Analysis
4	11/10/2019	Structural Analysis	Construction materials and management
5	18/10/2019	Construction materials and management	Concrete Structures
6	25/10/2019	Concrete Structures	Concrete Structures
7	01/11/2019	Steel Structures	Steel Structures
8	08/11/2019	Soil Mechanics	Soil Mechanics
9	15/11/2019	Soil Mechanics	Foundation Engineering
10	22/11/2019	Transportation Engineering	Transportation Engineering
11	29/11/2019	Transportation Engineering	Railway Engineering
12	06/12/2019	Engineering Survey	Engineering Survey
13	13/12/2019	Fluid Mechanics	Fluid Mechanics
14	20/12/2019	Hydrology	Hydrology
15	27/12/2019	Irrigation	Irrigation
16	03/01/2020	Water and waste water	Water and waste water
17	10/01/2020	Water and waste water	Water and waste water
18	17/01/2020	Air pollution	Noise Pollution

Signature of Coordinator

Signature of HOD

GATE 2020 SYLLABUS

CE Civil Engineering

CE: Civil Engineering

Section 2: Structural Engineering

Engineering Mechanics: System of forces, free-body diagrams, equilibrium equations; Internal forces in structures; Friction and its applications; Kinematics of point mass and rigid body; Centre of mass; Euler's equations of motion; Impulse-momentum; Energy methods; Principles of virtual work.

Solid Mechanics: Bending moment and shear force in statically determinate beams; Simple stress and strain relationships; Theories of failures; Simple bending theory, flexural and shear stresses, shear centre; Uniform torsion, buckling of column, combined and direct bending stresses.

Structural Analysis: Statically determinate and indeterminate structures by force/ energy methods; Method of superposition; Analysis of trusses, arches, beams, cables and frames; Displacement methods: Slope deflection and moment distribution methods; Influence lines; Stiffness and flexibility methods of structural analysis.

Construction Materials and Management: Construction Materials: Structural steel - composition, material properties and behaviour ; Concrete - constituents, mix design, short-term and long-term properties; Bricks and mortar; Timber; Bitumen. Construction Management: Types of construction projects; Tendering and construction contracts; Rate analysis and standard specifications; Cost estimation; Project planning and network analysis - PERT and CPM.

Concrete Structures: Working stress, Limit state and Ultimate load design concepts; Design of beams, slabs, columns; Bond and development length; Prestressed concrete; Analysis of beam sections at transfer and service loads.

Steel Structures: Working stress and Limit state design concepts; Design of tension and compression members, beams and beam- columns, column bases; Connections - simple and eccentric, beam-column connections, plate girders and trusses; Plastic analysis of beams and frames.

Section 3: Geotechnical Engineering

Soil Mechanics: Origin of soils, soil structure and fabric; Three-phase system and phase relationships, index properties; Unified and Indian standard soil classification system; Permeability - one dimensional flow, Darcy's law; Seepage through soils - two-dimensional flow, flow nets, uplift pressure, piping; Principle of effective stress, capillarity, seepage force and quicksand condition; Compaction in laboratory and field conditions; One- dimensional consolidation, time rate of consolidation; Mohr's circle, stress paths, effective and total shear strength parameters, characteristics of clays and sand.

Foundation Engineering: Sub-surface investigations - scope, drilling bore holes, sampling, plate load test, standard penetration and cone penetration tests; Earth pressure theories - Rankine and Coulomb; Stability of slopes - finite and infinite slopes, method of slices and Bishop's method; Stress distribution in soils - Boussinesq's and Westergaard's theories, pressure bulbs; Shallow foundations - Terzaghi's and Meyerhoff's bearing capacity theories, effect of water table; Combined footing and raft foundation; Contact pressure; Settlement analysis in sands and clays; Deep foundations - types of piles, dynamic and static formulae, load capacity of piles in sands and clays, pile load test, negative skin friction.

Section 4: Water Resources Engineering

Fluid Mechanics: Properties of fluids, fluid statics; Continuity, momentum, energy and corresponding equations; Potential flow, applications of momentum and energy equations; Laminar and turbulent flow; Flow in pipes, pipe networks; Concept of boundary layer and its growth.

Hydraulics: Forces on immersed bodies; Flow measurement in channels and pipes; Dimensional analysis and hydraulic similitude; Kinematics of flow, velocity triangles; Basics of hydraulic machines, specific speed of pumps and turbines; Channel Hydraulics - Energy-depth relationships, specific energy, critical flow, slope profile, hydraulic jump, uniform flow and gradually varied flow

Hydrology: Hydrologic cycle, precipitation, evaporation, evapo-transpiration, watershed, infiltration, unit hydrographs, hydrograph analysis, flood estimation and routing, reservoir capacity, reservoir and channel routing, surface run-off models, ground water hydrology - steady state well hydraulics and aquifers; Application of Darcy's law.

Irrigation: Duty, delta, estimation of evapo-transpiration; Crop water requirements; Design of lined and unlined canals, head works, gravity dams and spillways; Design of weirs on permeable foundation; Types of irrigation systems, irrigation methods; Water logging and drainage; Canal regulatory works, cross-

drainage structures, outlets and escapes.

Section 5: Environmental Engineering

Water and Waste Water: Quality standards, basic unit processes and operations for water treatment. Drinking water standards, water requirements, basic unit operations and unit processes for surface water treatment, distribution of water. Sewage and sewerage treatment, quantity and characteristics of wastewater. Primary, secondary and tertiary treatment of wastewater, effluent discharge standards. Domestic wastewater treatment, quantity of characteristics of domestic wastewater, primary and secondary treatment. Unit operations and unit processes of domestic wastewater, sludge disposal.

Air Pollution: Types of pollutants, their sources and impacts, air pollution meteorology, air pollution control, air quality standards and limits.

Municipal Solid Wastes: Characteristics, generation, collection and transportation of solid wastes, engineered systems for solid waste management (reuse/ recycle, energy recovery, treatment and disposal).

Noise Pollution: Impacts of noise, permissible limits of noise pollution, measurement of noise and control of noise pollution.

Section 6: Transportation Engineering

Transportation Infrastructure: Highway alignment and engineering surveys; Geometric design of highways - cross-sectional elements, sight distances, horizontal and vertical alignments; Geometric design of railway track; Airport runway length, taxiway and exit taxiway design.

Highway Pavements: Highway materials - desirable properties and quality control tests; Design of bituminous paving mixes; Design factors for flexible and rigid pavements; Design of flexible pavement using IRC: 37-2012; Design of rigid pavements using IRC: 58-2011; Distresses in concrete pavements.

Traffic Engineering: Traffic studies on flow, speed, travel time - delay and O-D study, PCU, peak hour factor, parking study, accident study and analysis, statistical analysis of traffic data; Microscopic and macroscopic parameters of traffic flow, fundamental relationships; Control devices, signal design by Webster's method; Types of intersections and channelization; Highway capacity and level of service of rural highways and urban roads.

Section 7: Geomatics Engineering

Principles of surveying; Errors and their adjustment; Maps - scale, coordinate system; Distance and angle measurement - Levelling and trigonometric levelling; Traversing and triangulation survey; Total station; Horizontal and vertical curves.

Photogrammetry - scale, flying height; Remote sensing - basics, platform and sensors, visual image interpretation; Basics of Geographical information system (GIS) and Geographical Positioning system (GPS).

Department of
Electronics & Communication Engineering

GLA UNIVERSITY MATHURA
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GLAU/EC/GATE/NOTICE/2019-20/16

Date 03-10-19

Notice

Gate Preparation Class (GATE2020)

All the students of B.Tech ECE 4th year are hereby informed that Dept. of ECE, GLA University is organizing classes for GATE 2020 on every working Saturday starting from 12th October 2020 at 10 AM in room no 3012. Interested students can collect and submit application form to Mr. Anjan Kumar by 3rd October Positively.

GATE Co-ordinator
Mr. Manish Kumar

Copy to :-

1. HOD ECE
2. All Notice board of the department
3. Time table Incharge

GLA UNIVERSITY, MATHURA

Department of Electronics & Communication Engg

TIME-TABLE (GATE Preparation Class) w.e.f. 12-10-2019

Course: B.Tech. | **Branch/Sec: EC** | **Session: 2019-20**

Period	1	2	3	4	5	6	7	8
Day\Time	10-12pm		12-2pm			3-4pm		
1st Saturday	Network Analysis(MK)		EDC(DK)		Lunch	Digital Electronics(DA)		
2nd Saturday	Control System(PCS)		Communication(AS)		Lunch	Microprocessor(AK)		
3rd Saturday	Engineering Math(SS)		EDC(DK)					
4th Saturday	Network Analysis(MK)					Control System(PCS)		

Sr. No.	Subjects Name	
1	Network Analysis	Manish Kumar
2	Control System	Mr Paresh Chand
3	Engineering Math	Dr Sikha
4	EDC	Dheeraj KALRA
5	Communication	Dr. Aasheesh Shukla
6	Microprocessor	Mr Anjan Kumar
7	Digital Electronics	Diwakar Agrawal

Department of
Electronics & Communication Engineering

GLA UNIVERSITY MATHURA
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Syllabus to be covered in preparation class

Section 1: Engineering Mathematics

Linear Algebra: Vector space, basis, linear dependence and independence, matrix algebra, eigenvalues and Eigen vectors, rank, solution of linear equations – existence and uniqueness.

Differential Equations: First order equations (linear and nonlinear), higher order linear differential equations, Cauchy's and Euler's equations, methods of solution using variation of parameters, complementary function and particular integral, partial differential equations, variable separable method, initial and boundary value problems.

Vector Analysis: Vectors in plane and space, vector operations, gradient, divergence and curl, Gauss's, Green's and Stoke's theorems.

Probability and Statistics: Mean, median, mode and standard deviation; combinatorial probability, probability distribution functions - binomial, Poisson, exponential and normal; Joint and conditional probability; Correlation and regression analysis.

Section 2: Networks, Signals and Systems

Network solution methods: Nodal and mesh analysis; Network theorems: superposition, Thevenin and Norton's, maximum power transfer; Wye-Delta transformation; Steady state sinusoidal analysis using phasors; Time domain analysis of simple linear circuits; Solution of network equations using Laplace transform;

Section 3: Electronic Devices

Energy bands in intrinsic and extrinsic silicon; Carrier transport: diffusion current, drift current, mobility and resistivity; Generation and recombination of carriers; Poisson and continuity equations; P-N junction, Zener diode, BJT, MOS capacitor, MOSFET, LED, photo diode and solar cell; Integrated circuit fabrication process: oxidation, diffusion, ion implantation, photolithography and twin-tub CMOS process.

Section 4: Analog Circuits

Small signal equivalent circuits of diodes, BJTs and MOSFETs; Simple diode circuits: clipping, clamping and rectifiers; Single-stage BJT and MOSFET amplifiers: biasing, bias stability, mid frequency small signal analysis and frequency response; BJT and MOSFET amplifiers: multi-stage, differential, feedback, power and operational; Simple op-amp circuits

Section 5: Digital Circuits

arithmetic circuits, code converters, multiplexers, decoders and PLAs; Sequential circuits: latches and flip-flops, counters, shift-registers and finite state machines; Data converters: sample and hold circuits, ADCs and DACs; Semiconductor memories: ROM, SRAM, DRAM; 8-bit microprocessor (8085): architecture, programming, memory and I/O interfacing.

Section 6: Control Systems

Basic control system components; Feedback principle; Transfer function; Block diagram representation; Signal flow graph; Transient and steady-state analysis of LTI systems; Frequency response; RouthHurwitz and Nyquist stability criteria; Bode and root-locus plots; Lag, lead and lag-lead compensation; State variable model and solution of state equation of LTI systems.

Section 7: Communications

Random processes: autocorrelation and power spectral density, properties of white noise, filtering of random signals through LTI systems; Analog communications: amplitude modulation and demodulation, angle modulation and demodulation, spectra of AM and FM, super heterodyne receivers, circuits for analog communications; Information theory: entropy, mutual information and channel capacity theorem.

Preparation In charge

Mr. Anjan Kumar

HOD(ECE)

Prof. Vinay Kumar Deolia

Activity Report

Department of Electronics &Communication Engineering

Name of Activity	:	GATE Preparation Program
Date and Duration	:	13-10-2019 to 15-12-2019 (2 months)
Resource Person	:	In house Subject expert from ECE Department
No. of Participants	:	9 Students

Event Overview

The Electronics and Communication Engineering department organized a two months' weekend special class for the Preparation of GATE Examination. In starting Key speaker Mr Anjan Kumar (Asst. Prof) department of ECE, who cleared GATE 3 times, explained why GATE is important and why one should give GATE. After that, he Shared the details about the syllabus for GATE and explained how to go with every subject. Later he shared the details about the resources that one should go to if he opts for self-study. After that, the in-depth details about each subject was followed. After an in-depth session about each topic, the strategy to crack the GATE exam took place in different sessions. A total of Nine students of the ECE department and a few technical staff members attended the lecture.

Lecture session and mock test session. (Prof Vinay Kumar Deolia (Head ECE) taking control system class)

Electronics & Communication Engg
GLA University, Mathura

Department of

Electrical Engineering

Department of Electrical Engineering
(Institute of Engineering & Technology)

Date: 06.05.2019

Notice

This is to inform all the students of B. Tech. EE/EN final year that department is going to conduct preparatory classes for GATE Exam. Interested students can contact Mr. Arvind Yadav to register their names before 15th May 2019. Class schedule and other necessary details will be shared by 25th May 2019.

Mr. Arvind Yadav
GATE Coordinator
Department of Electrical Engineering

Dr. Sanjay Maurya
Incharge/HoD
Department of Electrical Engineering

Campus: 17 KM Stone, NH # 2, Mathura – Delhi Road, P.O. – Chaumuhan, Mathura – 281406 (U.P.), India
Ph:-91-5662-250889, Fax:-91-5662-241687
Head Office: 200/1, Yugal Niwas, Raman Reti, Vrindavan, Mathura – 281124 (U.P.), India
Ph:-91-565-2540553, 2540721, Fax:- 91-565-2540436

Department of

Electrical Engineering

SCHEDULE

Schedule for GATE Classes 2019-20				
Sr. No.	**Week**	**Date**	**8:00 AM-9:00 AM**	**2:00 AM-3:00 AM**
1	**Week - 1**	3-Jun-2019	Electric Circuit	Power System
2		4-Jun-2019	Electric Circuit	Power System
3		5-Jun-2019	Electric Circuit	Power System
4		6-Jun-2019	Electric Circuit	Power System
5		7-Jun-2019	Electric Circuit	Power System
6	**Week - 2**	10-Jun-2019	Engg. Mathematics	Power Electronics
7		11-Jun-2019	Engg. Mathematics	Power Electronics
8		12-Jun-2019	Engg. Mathematics	Power Electronics
9		13-Jun-2019	Engg. Mathematics	Power Electronics
10		14-Jun-2019	Engg. Mathematics	Power Electronics
11	**Week - 3**	17-Jun-2019	Electric Machines	Control System
12		18-Jun-2019	Electric Machines	Control System
13		19-Jun-2019	Electric Machines	Control System
14		20-Jun-2019	Electric Machines	Control System
15		21-Jun-2019	Electric Machines	Control System
16	**Week - 4**	24-Jun-2019	Signals & Systems	Electric Machines
17		25-Jun-2019	Signals & Systems	Electric Machines
18		26-Jun-2019	Signals & Systems	Electric Machines
19		27-Jun-2019	Signals & Systems	Electric Machines
20		28-Jun-2019	Signals & Systems	Electric Machines
21	**Week - 5**	1-Jul-2019	Power System	EMFT

Department of

Electrical Engineering

22		2-Jul-2019	Power System	EMFT
23		3-Jul-2019	Power System	EMFT
24		4-Jul-2019	Power System	EMFT
25		5-Jul-2019	Power System	EMFT
26	**Week - 6**	8-Jul-2019	EMFT	Electrical & Electronics Measuring Instruments
27		9-Jul-2019	EMFT	Electrical & Electronics Measuring Instruments
28		10-Jul-2019	EMFT	Electrical & Electronics Measuring Instruments
29		11-Jul-2019	EMFT	Electrical & Electronics Measuring Instruments
30		12-Jul-2019	EMFT	Electrical & Electronics Measuring Instruments
33	**Week - 7**	15-Jul-2019	Electrical & Electronics Measuring Instruments	Digital Electronics
34		16-Jul-2019	Electrical & Electronics Measuring Instruments	Digital Electronics
35		17-Jul-2019	Electrical & Electronics Measuring Instruments	Digital Electronics
36		18-Jul-2019	Signals & Systems	Digital Electronics
37		19-Jul-2019	Signals & Systems	Digital Electronics
38	**Week - 8**	22-Jul-2019	Engg. Mathematics	Digital Electronics
39		23-Jul-2019	Engg. Mathematics	Digital Electronics
40		24-Jul-2019	Engg. Mathematics	Digital Electronics
41		25-Jul-2019	Engg. Mathematics	Signals & Systems
42		26-Jul-2019	Engg. Mathematics	Signals & Systems

Department of

Electrical Engineering

FACULTY ALLOTTED

Subject	Faculty
Electric Circuit	Mr. Prashant Prakash, Mr Mayank Goyal
Power System	Mr. Ravishankar Tiwari, Dr. Abhilash Gupta
Engineering Mathematics	Dr. Archana Dixit
Power Electronics	Mr Indresh Yadav, Mr. Arvind Yadav
Electrical Machines	Mr Gaurav Gupta, Mr. Ram Naresh Mishra
Control system	Mr Indresh Yadav
Signal & System	Mr. Mayank Goyal
EMFT	Mr. Mukesh Pushkarna
Electrical and Electronics Measuring instruments	Dr. Akansha shukla
Digital Electronics	Mr. Vikash kumar

Department of

Electrical Engineering

GATE SYLLABUS

EE: Electrical Engineering

SECtion 1: Engineering Mathematics

Linear Algebra: Matrix Algebra, Systems of linear equations, Eigenvalues, EigenvECtors.

Calculus: Mean value theorems, Theorems of integral calculus, Evaluation of definite and improperintegrals, Partial Derivatives, Maxima and minima, Multiple integrals, Fourier series, VECtor identities, DirECtional derivatives, Line integral, Surface integral, Volume integral, Stokes's theorem, Gauss's theorem, GrECn's theorem.

Differential equations: First order equations (linear and nonlinear), Higher order linear differentialequations with constant coefficients, Method of variation of parameters, Cauchy's equation, Euler's equation, Initial and boundary value problems, Partial Differential Equations, Method of separation of variables.

Complex variables: Analytic functions, Cauchy's integral theorem, Cauchy's integral formula, Taylorseries, Laurent series, Residue theorem, Solution integrals.

Probability and Statistics: Sampling theorems, Conditional probability, Mean, Median, Mode,Standard Deviation, Random variables, Discrete and Continuous distributions, Poisson distribution, Normal distribution, Binomial distribution, Correlation analysis, Regression analysis.

NumericalMethods: Solutions of nonlinear algebraic equations, Single and Multi-step methods fordifferential equations.

Transform Theory: Fourier Transform, Laplace Transform, z-Transform.

SECtion 2: Electric Circuits

Network graph, KCL, KVL, Node and Mesh analysis, Transient response of dc and ac networks,Sinusoidal steady state analysis, Resonance, Passive filters, Ideal current and voltage sources,Thevenin's theorem,Norton's theorem, Superposition

theorem,Maximumpower transfer theorem,Twoportnetworks,ThrECphase circuits, Power and power factor in ac circuits.

SECtion 3: Electromagnetic Fields

Coulomb's Law, ElECtricFieldIntensity,ElECtricFluxDensity,Gauss's Law, Divergence, ElECtricfield and potential due to point, line, plane and spherical chargedistributions, Effect of dielectric medium, Capacitance of simple configurations, Biot Savart's law, Ampere's law, Curl, Faraday's law, Lorentz force,Inductance,Magnetomotiveforce,Reluctance,Magneticcircuits,Self andMutualinductanceof simple configurations.

SECtion 4: Signals and Systems

Representation of continuous and discrete-time signals, Shifting and scaling operations, Linear Time Invariant andCausalsystems,Fourierseries representation ofcontinuousperiodicsignals,Sampling theorem,Applications of Fourier Transform, Laplace Transform and z-Transform.

SECtion 5: Electrical Machines

Single phase transformer: equivalent circuit, phasor diagram, open circuit and short circuittests,regulation and efficiency;**Three phase transformers:** connECtions, parallel operation**;**Auto transformer, Electrommechanical energy conversion principles,**DC machines:** Separately excited, series and shunt,motoring and generating mode ofoperation and theircharacteristics,startingandspeed controlofdcmotors;**Three phaseinductionmotors:** Principleofoperation,types, performance,torque-speedcharacteristics, no loadandblockedrotortests,equivalent circuit,starting and speed control;Operating principle of single phase induction motors;**Synchronous machines:** Cylindrical and salient pole machines, performance, regulationandparalleloperationofgenerators,startingof synchronous motor, characteristics; Types of losses and efficiency calculations of elECtric machines**.**

SECtion 6: Power Systems

Power generation concepts, ac and dctransmissionconcepts,Modelsand performance of transmission lines and cables, Series andshunt compensation, Electric fielddistributionand insulators,Distribution systems, Per unit quantities,

Busadmittancematrix,Gauss-Seideland Newton-Raphsonloadflow methods, VoltageandFrequencycontrol, PowerfactorcorrECtion, Symmetricalcomponents, Symmetrical and unsymmetrical fault analysis, Principlesofover current, differential and distance protECtion; Circuit breakers, System stability concepts, Equal area criterion.

SECtion 7 : Control Systems

Mathematical modeling and representation of systems, FECdback principle, transfer function,Block diagrams and Signal flow graphs, Transient and Steady state analysis of linear time invariant systems, Routh-Hurwitz and Nyquist criteria, Bode plots, Root loci, Stability analysis, Lag, Lead and Lead-Lag compensators; P, PI and PID controllers; State space model, State transition matrix.

SECtion 8 : Electrical and Electronic Measurements

Bridges and Potentiometers, Measurement of voltage, current, power, energy and power factor; Instrument transformers, Digital voltmeters and multimeters, Phase, Time and Frequency measurement; Oscilloscopes, Error analysis.

SECtion 9 : Analog and Digital Electronics

Characteristics of diodes, BJT, MOSFET;**Simple diode circuits:** clipping, clamping, rectifiers;**Amplifiers:** Biasing, Equivalent circuit and Frequency response; Oscillators and FECdback amplifiers;**Operational amplifiers:** Characteristics and applications;Simple active filters, VCOsandTimers, CombinationalandSequentiallogiccircuits,Multiplexer,Demultiplexer,Schmitttrigger, Sampleand hold circuits,A/Dand D/A converters. **8085 Microprocessor:** Architecture,Programmingand Interfacing.

SECtion 10 : Power Electronics

Characteristics ofsemiconductorpower devices: Diode,Thyristor, Triac, GTO, MOSFET,IGBT;**DC to DC conversion:**Buck,BoostandBuck-Boostconverters; Single and thrEC phase configuration of uncontrolled rECtifiers, Line commutated thyristor basedconverters, BidirECtionalac todcvoltage sourcEConverters,Issuesof linECurrentharmonics, Powerfactor,Distortionfactorofactodconverters, Single phase and thrEC phase inverters, Sinusoidal pulse width modulation.

GLA UNIVERSITY
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Department of Mechanical Engineering

Date: 31.05.2019

GLAU/ME/GATE/19/01

NOTICE

All the students of B.Tech. ME IV Year who have registered in GATE-2020 are hereby informed that their classes for GATE Preparation will be held from 03.06.2019 to 26.07.2019 between 11:00 AM to 1:00 PM in room no. 210.

(Prof. Piyush Singhal)
Head, Dept. of Mech. Engg.

Prof. PIYUSH SINGHAL
Dept. of Mech. Engg.

CC to:
All Faculty Members

ME	Mechanical Engineering

Section 1: Engineering Mathematics

Linear Algebra: Matrix algebra, systems of linear equations, eigenvalues and eigenvectors.

Calculus: Functions of single variable, limit, continuity and differentiability, mean value theorems, indeterminate forms; evaluation of definite and improper integrals; double and triple integrals; partial derivatives, total derivative, Taylor series (in one and two variables), maxima and minima, Fourier series; gradient, divergence and curl, vector identities, directional derivatives, line, surface and volume integrals, applications of Gauss, Stokes and Green's theorems.

Differential equations: First order equations (linear and nonlinear); higher order linear differential equations with constant coefficients; Euler-Cauchy equation; initial and boundary value problems; Laplace transforms; solutions of heat, wave and Laplace's equations.

Complex variables: Analytic functions; Cauchy-Riemann equations; Cauchy's integral theorem and integral formula; Taylor and Laurent series.

Probability and Statistics: Definitions of probability, sampling theorems, conditional probability; mean, median, mode and standard deviation; random variables, binomial, Poisson and normal distributions.

Numerical Methods: Numerical solutions of linear and non-linear algebraic equations; integration by trapezoidal and Simpson's rules; single and multi-step methods for differential equations.

Section 2: Applied Mechanics and Design

Engineering Mechanics: Free-body diagrams and equilibrium; trusses and frames; virtual work; kinematics and dynamics of particles and of rigid bodies in plane motion; impulse and momentum (linear and angular) and energy formulations, collisions.

Mechanics of Materials: Stress and strain, elastic constants, Poisson's ratio; Mohr's circle for plane stress and plane strain; thin cylinders; shear force and bending moment diagrams; bending and shear stresses; deflection of beams; torsion of circular shafts; Euler's theory of columns; energy methods; thermal stresses; strain gauges and rosettes; testing of materials with universal testing machine; testing of hardness and impact strength.

Theory of Machines: Displacement, velocity and acceleration analysis of plane mechanisms; dynamic analysis of linkages; cams; gears and gear trains; flywheels and governors; balancing of reciprocating and rotating masses; gyroscope.

Vibrations: Free and forced vibration of single degree of freedom systems, effect of damping; vibration isolation; resonance; critical speeds of shafts.

Machine Design: Design for static and dynamic loading; failure theories; fatigue strength and the S-N diagram; principles of the design of machine elements such as bolted, riveted and welded joints; shafts, gears, rolling and sliding contact bearings, brakes and clutches, springs.

Section 3: Fluid Mechanics and Thermal Sciences

Fluid Mechanics: Fluid properties; fluid statics, manometry, buoyancy, forces on submerged bodies, stability of floating bodies; control-volume analysis of mass, momentum and energy; fluid acceleration; differential equations of continuity and momentum; Bernoulli's equation; dimensional analysis; viscous flow of incompressible fluids, boundary layer, elementary turbulent flow, flow through pipes, head losses in pipes, bends and fittings.

Heat-Transfer: Modes of heat transfer; one dimensional heat conduction, resistance concept and electrical analogy, heat transfer through fins; unsteady heat conduction, lumped parameter system, Heisler's charts; thermal boundary layer, dimensionless parameters in free and forced convective heat transfer, heat transfer correlations for flow over flat plates and through pipes, effect of turbulence; heat exchanger performance, LMTD and NTU methods; radiative heat transfer, Stefan-Boltzmann law, Wien's displacement law, black and grey surfaces, view factors, radiation network analysis.

Thermodynamics: Thermodynamic systems and processes; properties of pure substances, behaviour of ideal and real gases; zeroth and first laws of thermodynamics, calculation of work and heat in various processes; second law of thermodynamics; thermodynamic property charts and tables, availability and irreversibility; thermodynamic relations.

Applications: *Power Engineering*: Air and gas compressors; vapour and gas power cycles, concepts of regeneration and reheat. *I.C. Engines*: Air-standard Otto, Diesel and dual cycles. *Refrigeration and air-conditioning*: Vapour and gas refrigeration and heat pump cycles; properties of moist air, psychrometric chart, basic psychrometric processes. *Turbomachinery*: Impulse and reaction principles, velocity diagrams, Pelton-wheel, Francis and Kaplan turbines.

Section 4: Materials, Manufacturing and Industrial Engineering

Engineering Materials: Structure and properties of engineering materials, phase diagrams, heat treatment, stress-strain diagrams for engineering materials.

Casting, Forming and Joining Processes: Different types of castings, design of patterns, moulds and cores; solidification and cooling; riser and gating design. Plastic deformation and yield criteria; fundamentals of hot and cold working processes; load estimation for bulk (forging, rolling, extrusion, drawing) and sheet (shearing, deep drawing, bending) metal forming processes; principles of powder metallurgy. Principles of welding, brazing, soldering and adhesive bonding.

Machining and Machine Tool Operations: Mechanics of machining; basic machine tools; single and multi-point cutting tools, tool geometry and materials, tool life and wear; economics of machining; principles of non-traditional machining processes; principles of work holding, design of jigs and fixtures.

Metrology and Inspection: Limits, fits and tolerances; linear and angular measurements; comparators; gauge design; interferometry; form and finish measurement; alignment and testing methods; tolerance analysis in manufacturing and assembly.

Computer Integrated Manufacturing: Basic concepts of CAD/CAM and their integration tools.

Production Planning and Control: Forecasting models, aggregate production planning, scheduling, materials requirement planning.

Inventory Control: Deterministic models; safety stock inventory control systems.

Operations Research: Linear programming, simplex method, transportation, assignment, network flow models, simple queuing models, PERT and CPM.

Schedule for GATE classes Session 2019-20 (Department of mechanical engineering)

IMMERSION				IMMERSION			
Technical classes timetable (3/06/19 TO 7/06/19)				Technical classes timetable (10/06/19 TO 14/06/19)			
day/time	10:00-11:30	11:30-1:00	3:00-4:30	day/time	10:00-11:30	11:30-1:00	3:00-4:30
Monday	Measurement and Metrology	Measurement and Metrology		Monday	Material Science	Material Science	
Tuesday		Measurement and Metrology	Measurement and Metrology	Tuesday		Material Science	Material Science
Wednesday	Measurement and Metrology		Applied Thermodynamics	Wednesday	Material Science		Heat and Mass Transfer
Thursday	Applied Thermodynamics	Applied Thermodynamics		Thursday	Heat and Mass Transfer	Heat and Mass Transfer	
Friday		Applied Thermodynamics	Applied Thermodynamics	Friday		Heat and Mass Transfer	Heat and Mass Transfer

IMMERSION				IMMERSION			
Technical classes timetable (17/06/19 TO 21/06/19)				Technical classes timetable (24/06/19 TO 28/06/19)			
day/time	10:00-11:30	11:30-1:00	3:00-4:30	day/time	10:00-11:30	11:30-1:00	3:00-4:30
Monday	Strength of Material	Strength of Material		Monday	Manufacturing Science	Manufacturing Science	
Tuesday		Strength of Material	Strength of Material	Tuesday		Manufacturing Science	Manufacturing Science
Wednesday	Strength of Material		Strength of Material	Wednesday	Manufacturing Science		Manufacturing Science
Thursday	Basic Thermodynamics	Basic Thermodynamics		Thursday	Dynamics of Machines	Dynamics of Machines	
Friday		Basic Thermodynamics	Basic Thermodynamics	Friday		Dynamics of Machines	Dynamics of Machines

IMMERSION				IMMERSION			
es timetable (1/07/19 TO 5/07/19)				Technical classes timetable (8/07/19 TO 12/07/19)			
day/time	10:00-11:30	11:30-1:00	3:00-4:30	day/time	10:00-11:30	11:30-1:00	3:00-4:30
Monday	KOM	KOM		Monday	Engineering Mechanics	Engineering Mechanics	
Tuesday		KOM	KOM	Tuesday		Engineering Mechanics	Engineering Mechanics
Wednesday	Fluid Mechanics and Machinery		Fluid Mechanics and Machinery	Wednesday	Engineering Mechanics		Refrigeration and Air conditioning
Thursday	Fluid Mechanics and Machinery	Fluid Mechanics and Machinery		Thursday	Refrigeration and Air conditioning	Refrigeration and Air conditioning	
Friday		Fluid Mechanics and Machinery	Fluid Mechanics and Machinery	Friday		Refrigeration and Air conditioning	Refrigeration and Air conditioning

IMMERSION				IMMERSION			
Technical classes timetable (15/07/19 TO 19/07/19)				Technical classes timetable (22/07/19 TO 26/07/19)			
day/time	10:00-11:30	11:30-1:00	3:00-4:30	day/time	10:00-11:30	11:30-1:00	3:00-4:30
Monday	Automobile Engineering	Automobile Engineering		Monday	Machine Design	Machine Design	
Tuesday		Automobile Engineering	Automobile Engineering	Tuesday		Machine Design	Machine Design
Wednesday	BASICS of CAM		BASICS of CAM	Wednesday	Machine Design		Machine Design
Thursday	BASICS of CAM	BASICS of CAD		Thursday	Machine Design	Industrial Engg.	
Friday		BASICS of CAD	BASICS of CAD	Friday		Industrial Engg.	Industrial Engg.

Tentative Schedule of Technical Classes for GATE Classes (SESSION 2019-20)

S.No.	Name	Subject	Date
1	Mr. Gaurav Bharadwaj	Measurement & Metrology	03.06.19-07.06.19
2	Mr. Gaurav Bharadwaj	Applied Thermodynamics	03.06.19-07.06.19
3	Mr. Aneesh Kumar	Material Science	10.06.19-14.06.19
4	Dr. Naveen Kumar Gupta	Heat & Mass Transfer	10.06.19-14.06.19
5	Mr. Bharat Singh Chahar	Strength of Materials	17.06.19-21.06.19
6	Mr. Bharat Singh Chahar	Basic Thermodynamics	17.06.19-21.06.19
7	Mr. Pankaj sonia	Manufacturing Science	24.06.19-28.06.19
8	Mr. Anuj kumar dahiya	Dynamics of Machine	24.06.19-28.06.19
9	Mr. Yasir Mahmood	Kinematics of Machines	01.07.19-05.07.19
10	Mr. Manish rawat	Fluid Mechanics/ machinery	01.07.19-05.07.19
11	Ms. Soni kumari	Engg. Mechanics	08.07.19-12.07.19
12	Dr. Pradeep Kumar Singh	Referigeration & Air Conditioning	08.07.19-12.07.19
13	Mr. Deepak Sharma	Automobile Engg.	15.07.19-19.07.19
14	Mr. Alok Soni	Basics of CAM	15.07.19-19.07.19
15	Mr. Kuwar Mausam	Basics of CAD	15.07.19-19.07.19
16	Mr. Harish kumar sharma	Machine Design	22.07.19-26.07.19
17	Mr. Viyat varun upadhyay	Industrial Engg.	22.07.19-26.07.19

Prof. PIYUSH SINGHAL
Head, Dept. of Mech. Engg.
GLA University, Mathura

NOTICE

Department of Biotechnology

GLA University, Mathura

Date: 01 august 2019

This is to notify that students of B.Sc. and M.Sc. Biotechnology and Microbiology Final year attend the preparatory classes for competitive exam will be held in the department from 10 august 2019. The sessions will be taken by the faculty of the department of biotechnology.

Head, Biotechnology

GLA University, Mathura	
M.Sc. I Semester (Microbiology) Session: 2019-20 w.e.f. 31/07/19	
Room :- 222 A	Class Advisor- Ms. Anuja Mishra

Room :- 222 A Class Advisor- Ms. Anuja Mishra								
Time	**08:00 - 09:00**	**09:00 - 10:00**	**10:00 - 11:00**	**11:00 - 12:00**	**12:00 - 01:00**	**01:00 - 02:00**		
Mon	Biochemistry (VK)	Bioinformatics (AS)	Computer Lab	Bioanalytical Techniques (AG)		Computer Lab	Maths & Biostatistics (RKY)	Bioinformatics (AS)
Tue	Biochemistry (VK)	Microbiology (AB) *222 B*	Maths & Biostatistics (RKY)	Computer Lab		Bioinformatics Lab (AS) [*Computer Lab*]		
Wed	Biochemistry (VK)		Bioanalytical Techniques (AG)			Bioanalytical Tech. & Biochemistry Lab (GP) [*Micro Lab*]		
Thu	NET Class	Bioinformatics (AS)	Maths & Biostatistics (RKY)	Computer Lab		Bioinformatics (AS)	Bioanalytical Techniques (AG)	Biochemistry (VK)

LUNCH

GLA University, Mathura

M.Sc. - I Semester (Biotechnology), Session: 2019-20 **w.e.f. 31/07/19**

Room :- 222 A **Class Advisor- Dr. Aditya Saxena**

	08:00 - 09:00	09:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 01:00	01:00 - 02:00	02:00 - 03:00	03:00 - 04:00
Mon	Biochemistry (VK)	Bioinformatics (AS)	Computer Lab	Bioanalytical Techniques (AG)		Cell Biology (AB)	Maths & Biostatistics (RKY)	Bioinformatics (AS)
Tue	Biochemistry (VK)	Computer Lab	Maths & Biostatistics (RKY)	Cell Biology (AB)		Cell Biology & Bioanalytical Tech. Lab (AG) [Biotech *Lab*]		
Wed	Biochemistry (VK)	Computer Lab	Bioanalytical Techniques (AG)	Cell Biology (AKB)	L U N C H	Bioinformatics Lab (AS) [Computer *Lab*]		
Thu	**NET Class**	Bioinformatics (AS)	Maths & Biostatistics (RKY)	Cell Biology (AKB)		Bioinformatics (AS)	Bioanalytical Techniques (AG)	Biochemistry (VK)
Fri	Computer Lab	Biophysical & Biochemistry Lab (VK) [*Biotech Lab*]				Bioanalytical Techniques (AG)	Computer Lab	Maths & Biostatistics (RKY)

AG - Dr. Anjana Goel **AS - Dr. Aditya Saxena**

VK - Dr. Vishal Khandelwal **RKY - Dr. R. K. Yadav**

Syllabus for Competitive Exam
Name of Activity: Competitive Exam
Nature of Activity: NET GATE PREPRATION
Duration of Activity: 6 Months

Content for competitive exam syllabus

General Biotechnology

Biochemistry: Biomolecules-structure and functions; Biological membranes, structure, action potential and transport processes; Enzymes- classification, kinetics, and mechanism of action; Basic concepts and designs of metabolism (carbohydrates, lipids, amino acids and nucleic acids) photosynthesis, respiration and electron transport chain; Bioenergetics

Microbiology: Viruses- structure and classification; Microbial classification and diversity (bacterial, algal and fungal); Methods in microbiology; Microbial growth and nutrition; Aerobic and anaerobic respiration; Nitrogen fixation; Microbial diseases and host-pathogen interaction

Cell Biology: Prokaryotic and eukaryotic cell structure; Cell cycle and cell growth control; Cell-Cell Communication, Cell signaling and signal transduction

Molecular Biology and Genetics: Molecular structure of genes and chromosomes; Mutations and mutagenesis; Nucleic acid replication, transcription, translation and their regulatory mechanisms in prokaryotes and eukaryotes; Mendelian inheritance; Gene interaction; Complementation; Linkage, recombination and chromosome mapping; Extrachromosomal inheritance; Microbial genetics (plasmids, transformation, transduction, conjugation

Analytical Techniques: Principles of microscopy-light, electron, fluorescent and confocal; Centrifugation- high speed and ultra; Principles of spectroscopy-UV, visible, CD, IR, FTIR, Raman, MS,NMR; Principles of chromatography- ion exchange, gel filtration, hydrophobic interaction, affinity, GC,HPLC, FPLC; Electrophoresis; Microarray

Immunology: History of Immunology; Innate, humoral and cell mediated immunity; Antigen; Antibody structure and function; Molecular basis of antibody diversity; Synthesis of antibody and secretion; Antigen-antibody reaction; Complement; Primary and secondary lymphoid organ; B and T cells and macrophages; Major histocompatibility complex (MHC); Antigen processing and presentation; Polyclonal and monoclonal antibody; **Bioinformatics**: Major bioinformatics resources and search tools; Sequence and structure databases; Sequence analysis (biomolecular sequence file formats, scoring matrices, sequence alignment, phylogeny); Data mining and analytical tools for

2019-20

GLA UNIVERSITY MATHURA

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(CHeMgLa: Chemistry Club @ GLAU)

Department of Chemistry, GLA University, Mathura.

05TH August. 2019

NOTICE: (Regarding preparation of Competitive exams:- IIT JAM / NET GATE)

This is to notify that department of Chemistry, GLA University, Mathura, is going to start classes for preparation of competitive exams such as IIT-JAM/NET/ GATE on weekend basis under the mentorship of faculty experts. Interested students can register themselves on or before 20/08/2019. Registration fee of Rs.100 per student will be charged as one time registration fee. There is no other course fee in any form for the classes.

The sessions will be taken by 1.) Dr. Vinod Vasishta 2.) Dr. Prabal Pratap Singh.

3.) Dr. Anupam Srivastava.

For more details regarding registration and other information, please contact:

(Mr. Rajendra Singh, PA to HOD. (7500674551).

(Professor D.K. Das)

Head Department of Chemistry.

Time Table / (IIT-JAM) Competition exam coaching Classes

Time Table: (w.e.f 21st August 2019- 20th Jan-2020; 2 days / week classes only)

DAY	10.00AM-11.00AM	1.00 pm- 2.30 PM	3.30PM- 5.00PM
Saturday	Organic Chemistry (VKV)	Inorganic Chemistry (Anu. S.)	Physical Chemistry (PPS)
Sunday	Tutorial (Physical) (Abh. S.) Online (Zoom)	Tutorial (Organic) (VKV) Online (zoom)	Physical Chemistry (PPS) Online Mode ……

Faculty appointed for sessions:

1. **Physical Chemistry: PPS. (Dr. Prabal Pratap Singh)**
2. **Organic Chemistry: (VKV) (Dr. Vinod Kumar Vashishtha**
3. **Inorganic Chemistry: (Anu. S.) (Dr. Anupam Srivastava**

IIT-JAM(Chemistry)

Proposed syllabus for 2019-20 batch

S. No.	Coverage of Topics	Teaching Hours proposed
1	Atomic structure	3 Hours
2	Chemical bonding	3 Hours
3	Periodicity in properties	3 Hours
4	Properties of s, p, d, and f block elements	4 Hours
5	Chemical Kinetics and equilibria	6 hours
6	Complex formation & Coordination compounds	8 hours
7	Chemical thermodynamics (first and second law)	6 hours
8	Chemical kinetics (zero, first, second, and third order reactions)	4 hours
9	Photochemistry & Electrochemistry	6 hours
10	Aromaticity	4 hours
11	Stereochemistry of carbon compounds	4 hours
12	Inductive, electromeric, conjugative effects and resonance	2 hours
13	Chemistry of functional groups	6 hours
14	Reaction Reagents	6hours
15	Spectroscopy techniques	6 hours
16	Sets (Model Question Papers)	-

Enrollment of students for IIT-JAM Competitive classes (2019-20)

DEPARTMENT OF CHEMISTRY

List of Students enrolled for IIT-JAM classes
Course Name: B.Sc. (Hons.-Chemistry) 2019-20

S.No.	Univ. Roll No.	Student Name
1	197010001	ADITI
2	197010008	BHUMIKA VARSHNEY
3	197010011	GAURAV SHARMA
4	187010013	GAURAV SOLANKI
5	197010016	KUSHA SAINI
6	197010017	MALLYA MISHRA
7	197010020	POOJA AGRAWAL
8	197010021	PRITI
9	197010022	REKHA AGRAWAL
10	197010027	SHIVANI AGRAWAL
11	197010029	TANISKA KAUSHIK

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Lecture Plan

DATE: 09-11-2019 to 30-11-2019 **Venue:** Room No - 412 (Block-9)

DAY	DATE	TIMING	TOPIC NAME	Resource Person
1	09/11/2019	10:00 AM -12:00 PM	**Measurement & Evaluation**	Mr.Rajesh Kumar Singh
	09/11/2019	01:00 PM -03:00 PM	**Action Research & Achievement Test**	Dr. Dayal Sandhu
2	16/11/2019	10:00 AM -12:00 PM	**Individual differences & Special Education**	Dr. Dayal Sandhu
	16/11/2019	01:00 PM -03:00 PM	**Pedagogy of Hindi**	Ms. Sangeeta Gupta
3	23/11/2019	10:00 AM -12:00 PM	**Pedagogy of English**	Mrs.Preeti Verma
	23/11/2019	01:00 PM -03:00 PM	**Pedagogy of Science & Mathematics**	Mrs.Jyoti Sharma
4	30/11/2019	10:00 AM -12:00 PM	**Pedagogy of Environmental studies**	Ms. Sangeeta Gupta
	30/11/2019	01:00 PM -03:00 PM	**Tricks for crack TET/CTET Exam.**	Dr. Dayal Sandhu

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Date: 04.11.2019

NOTICE

This is to inform to all B.Ed. students that Faculty of Education going to conduct special classes for the preparation of TET/CTET, on every Saturday, from 09.11.2019 to 30-11-2019. Interested students may contact coordinator Dr. Dayal Sandhu for details information before 07-11- 2019.

(Prof. Kavita Varma)
Principal,
Faculty of Education,
GLA University

2019-20

Institute of Business Management

NISM

Preparation Classes

Activity Report

Institute of Business Management,

GLA University, Mathura

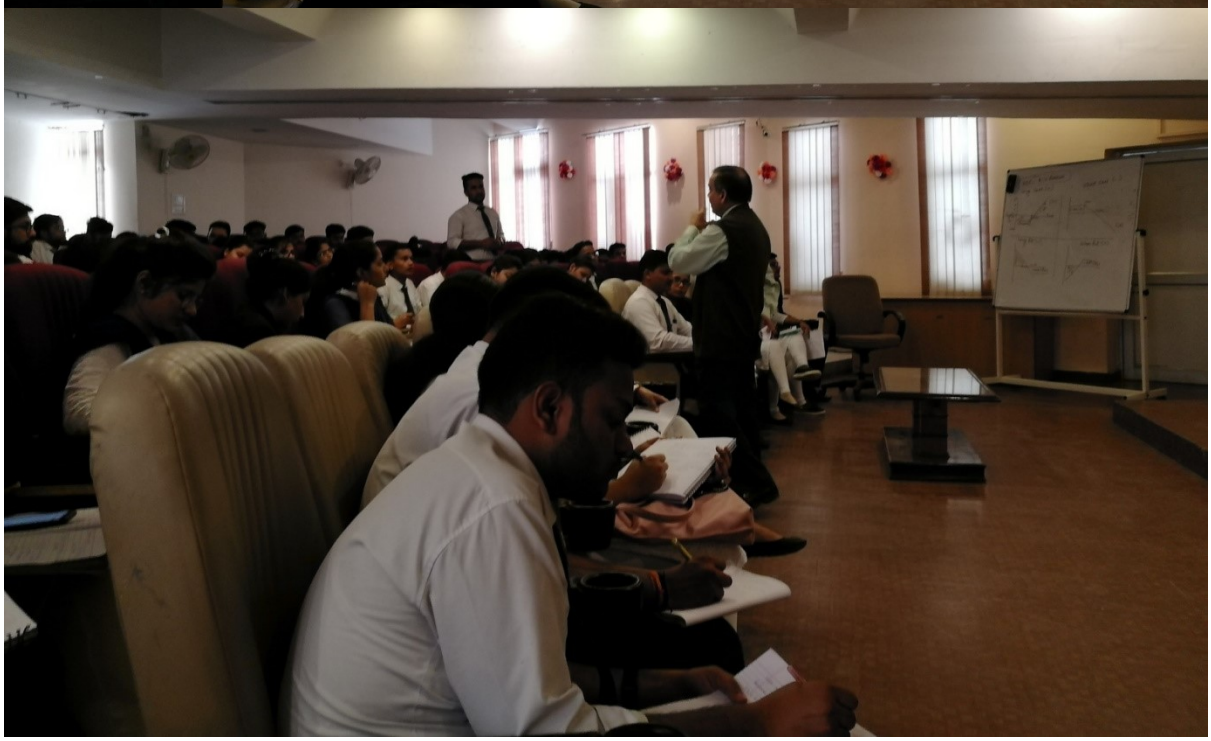
Name of Activity	:	Classes for Preparation of NISM
Date and Duration	:	Session 2019-20
Resource Person	:	1. Prof. Kanhaiya Singh 2. Dr. Ankit Saxena 3. Dr. T Guru Sant
Number of Participants	:	58
Activity Overview	:	

Managerial jobs have been increasingly demanding in context of skills required. Today, when a company visits to university campus, they do not only want a candidate with sound subject knowledge but they also look for candidates with some additional certifications. Just to ensure that our students of MBA are well prepared for such skill, department has initiated preparing candidates for NISM Certifications. The classes of NISM are highly appreciated among students as it gives them a constant platform to sharpen their preparation for NISM.

Intended Outcome

1. To prepare students for NISM Certification Examination
2. To resolve Students' Query from their respective certification opted and benefit all students with Q&A.
3. To make students more industry ready
4. To guide students with things to remember while appearing in NISM Certification Examination

Session 2019-20
Institute of Business Management
NISM Prepation Glimpses



Institute of Business Management, GLA University, Mathura
Criteria 5 - Student Support & Progression

Students qualifying in NISM Examination (Session - 2019-20)

S. No.	Session	Course	University Roll No.	Name Of the Student	Exam Registration ID	Exam Detail
1	2019-20	MBA	188410033	Anjali Siddhu	NISM-201900024839	NISM Series V-A: Mutual Fund Distributors Certification
2	2019-20	MBA	188410076	Deepak Gogia	NISM-201900110850	NISM Series XII: Securities Market Foundation Certification
3	2019-20	MBA	188410104	Harshit Jain	NISM-201900024839	NISM Series X-A: Investment Adviser (Level 1) Certification
4	2019-20	MBA	188410115	Jagjeet Singh	NISM-201900051982	NISM Series V-A: Mutual Fund Distributors Certification
5	2019-20	MBA	188410142	Lucky Bharti	UP0105203299	UGC NET (Management)
6	2019-20	MBA	188410190	Nutan	NISM-201900070649	NISM Series V-A: Mutual Fund Distributors Certification
7	2019-20	MBA	188410196	Pavan Agarwal	NISM-201800183896	NISM Series VIII: Equity Derivatives Certification
8	2019-20	MBA	188410196	Pavan Agarwal	NISM-201800183896	NISM Series XV: Research Analyst Certification
9	2019-20	MBA	188410244	Rishabh Tomar	NISM-201900110712	NISM Series V-A: Mutual Fund Distributors Certification
10	2019-20	MBA	188410262	Sagar Singh	NISM-201900110614	NISM Series V-A: Mutual Fund Distributors Certification
11	2019-20	MBA	188410298	Subhash Chand	NISM-201800163232	NISM Series X-A: Investment Adviser (Level 1) Certification
12	2019-20	MBA	188410298	Subhash Chand	NISM-201800163232	NISM Series XV: Research Analyst Certification
13	2019-20	MBA	188410313	Trapti Sharma	NISM-201900111137	NISM Series V-A: Mutual Fund Distributors Certification
14	2019-20	MBA - FMB	188413003	Aprajita Chandra	NISM-201800166448	NISM Series X-A: Investment Adviser (Level 1) Certification
15	2019-20	MBA - FMB	188413003	Aprajita Chandra	NISM-201800166448	NISM Series XV: Research Analyst Certification
16	2019-20	MBA - FMB	188413004	Arpit Bajaj	NCFM-00001350451	NCFM: Commercial Banking in India: A Beginner's Module
17	2019-20	MBA - FMB	188413004	Arpit Bajaj	NISM-201800155304	NISM Series X-A: Investment Adviser (Level 1) Certification
18	2019-20	MBA - FMB	188413007	Cheena Garg	NISM-201800174886	NISM Series XV: Research Analyst Certification

Institute of Business Management, GLA University, Mathura
Criteria 5 - Student Support & Progression

Students qualifying in NISM Examination (Session - 2019-20)

S. No.	Session	Course	University Roll No.	Name Of the Student	Exam Registration ID	Exam Detail
19	2019-20	MBA - FMB	188413008	Dilip Kumar Yadav	NISM-201800152399	NISM Series XV: Research Analyst Certification
20	2019-20	MBA - FMB	188413010	Krishan Pal	NISM-201800173576	NISM Series XV: Research Analyst Certification
21	2019-20	MBA - FMB	188413011	Neeraj Kumar	NISM-201800165570	NISM Series IX: Merchant Banking Certification
22	2019-20	MBA - FMB	188413012	Neha Vasishtha	NISM-201800168278	NISM Series V-A: Mutual Fund Distributors Certification
23	2019-20	MBA - FMB	188413013	Rahul Bindal	NISM-201800152278	NISM Series VIII: Equity Derivatives Certification
24	2019-20	MBA - FMB	188413013	Rahul Bindal	NISM-201800152278	NISM Series XV: Research Analyst Certification
25	2019-20	MBA - FMB	188413015	Rajat Agrawal	NISM-201800172191	NISM Series VIII: Equity Derivatives Certification
26	2019-20	MBA - FMB	188413015	Rajat Agrawal	NISM-201800172191	NISM Series X-A: Investment Adviser (Level 1) Certification
27	2019-20	MBA - FMB	188413015	Rajat Agrawal	NISM-201800172191	NISM Series XV: Research Analyst Certification
28	2019-20	MBA - FMB	188413018	Shivam Saxena	NISM-201800175989	NISM Series X-A: Investment Adviser (Level 1) Certification
29	2019-20	MBA - FMB	188413018	Shivam Saxena	NISM-201800175989	NISM Series XV: Research Analyst Certification
30	2019-20	MBA - FMB	188413019	Shivani Rawat	NISM-201800166529	NISM Series X-A: Investment Adviser (Level 1) Certification
31	2019-20	MBA - FMB	188413019	Shivani Rawat	NISM-201800166529	NISM Series XV: Research Analyst Certification
32	2019-20	MBA - FMB	188413020	Shubham Jayas	NISM-201800152418	NISM Series V-A: Mutual Fund Distributors Certification
33	2019-20	MBA - FMB	188413023	Vaibhav Sinha	NISM-201800152707	NISM Series X-A: Investment Adviser (Level 1) Certification
34	2019-20	MBA - FMB	188413023	Vaibhav Sinha	NISM-201800152707	NISM Series XV: Research Analyst Certification
35	2019-20	MBA - FMB	198413004	Ashwani Verma	NISM-201900109605	NISM Series V-A: Mutual Fund Distributors Certification
36	2019-20	MBA - FMB	198413004	Ashwani Verma	NISM-201900109605	NISM Series XII: Securities Market Foundation Certification

Institute of Business Management, GLA University, Mathura
Criteria 5 - Student Support & Progression

Students qualifying in NISM Examination (Session - 2019-20)

S. No.	Session	Course	University Roll No.	Name Of the Student	Exam Registration ID	Exam Detail
37	2019-20	MBA - FMB	198413005	Ayush Maheshwari	NISM-201900109154	NISM Series V-A: Mutual Fund Distributors Certification
38	2019-20	MBA - FMB	198413005	Ayush Maheshwari	NISM-201900109154	NISM Series XII: Securities Market Foundation Certification
39	2019-20	MBA - FMB	198413006	Chirag Verma	NISM-201900097920	NISM Series V-A: Mutual Fund Distributors Certification
40	2019-20	MBA - FMB	198413006	Chirag Verma	NISM-201900097920	NISM Series XII: Securities Market Foundation Certification
41	2019-20	MBA - FMB	198413007	Durvesh Sharma	NISM-201900109201	NISM Series V-A: Mutual Fund Distributors Certification
42	2019-20	MBA - FMB	198413008	Gokul Tiwari	NISM-201900109952	NISM Series V-A: Mutual Fund Distributors Certification
43	2019-20	MBA - FMB	198413008	Gokul Tiwari	NISM-201900109952	NISM Series XII: Securities Market Foundation Certification
44	2019-20	MBA - FMB	198413009	Himanshu Singh	NISM-201900109157	NISM Series V-A: Mutual Fund Distributors Certification
45	2019-20	MBA - FMB	198413010	Jitin Kumar	NISM-201900109884	NISM Series V-A: Mutual Fund Distributors Certification
46	2019-20	MBA - FMB	198413010	Jitin Kumar	NISM-201900109884	NISM Series XII: Securities Market Foundation Certification
47	2019-20	MBA - FMB	198413011	Kartik Gupta	NISM-201900109210	NISM Series V-A: Mutual Fund Distributors Certification
48	2019-20	MBA - FMB	198413011	Kartik Gupta	NISM-201900109210	NISM Series XII: Securities Market Foundation Certification
49	2019-20	MBA - FMB	198413012	Kartik Kumar Agarwal	NISM-201900100333	NISM Series V-A: Mutual Fund Distributors Certification
50	2019-20	MBA - FMB	198413012	Kartik Kumar Agarwal	NISM-201900100333	NISM Series XII: Securities Market Foundation Certification
51	2019-20	MBA - FMB	198413013	Khushbu Agrawal	NISM-201900109248	NISM Series V-A: Mutual Fund Distributors Certification
52	2019-20	MBA - FMB	198413013	Khushbu Agrawal	NISM-201900109248	NISM Series XII: Securities Market Foundation Certification
53	2019-20	MBA - FMB	198413014	Koshika Singh	NISM-201900110100	NISM Series V-A: Mutual Fund Distributors Certification
54	2019-20	MBA - FMB	198413018	Nishank Varshney	NISM-201900109431	NISM Series V-A: Mutual Fund Distributors Certification

Institute of Business Management, GLA University, Mathura
Criteria 5 - Student Support & Progression

Students qualifying in NISM Examination (Session - 2019-20)

S. No.	Session	Course	University Roll No.	Name Of the Student	Exam Registration ID	Exam Detail
55	2019-20	MBA - FMB	198413018	Nishank Varshney	NISM-201900109431	NISM Series XII: Securities Market Foundation Certification
56	2019-20	MBA - FMB	198413020	Pravendra Kumar	NISM-201900109073	NISM Series V-A: Mutual Fund Distributors Certification
57	2019-20	MBA - FMB	198413021	Prerna Vashisth	NISM-201900109968	NISM Series XII: Securities Market Foundation Certification
58	2019-20	MBA - FMB	198413022	Priyamwada Singh	NISM-201900109154	NISM Series V-A: Mutual Fund Distributors Certification
59	2019-20	MBA - FMB	198413022	Priyamwada Singh	NISM-201900109154	NISM Series XII: Securities Market Foundation Certification
60	2019-20	MBA - FMB	198413023	Priyanka Sharma	NISM-201900109286	NISM Series V-A: Mutual Fund Distributors Certification
61	2019-20	MBA - FMB	198413023	Priyanka Sharma	NISM-201900109286	NISM Series XII: Securities Market Foundation Certification
62	2019-20	MBA - FMB	198413024	Priyanshi Gupta	NISM-201900109309	NISM Series V-A: Mutual Fund Distributors Certification
63	2019-20	MBA - FMB	198413024	Priyanshi Gupta	NISM-201900109309	NISM Series XII: Securities Market Foundation Certification
64	2019-20	MBA - FMB	198413025	Rachna Kumari	NISM-201900109305	NISM Series V-A: Mutual Fund Distributors Certification
65	2019-20	MBA - FMB	198413026	Rahul	NISM-201900109185	NISM Series V-A: Mutual Fund Distributors Certification
66	2019-20	MBA - FMB	198413026	Rahul	NISM-201900109185	NISM Series XII: Securities Market Foundation Certification
67	2019-20	MBA - FMB	198413027	Reshu Verma	NISM-201900110194	NISM Series V-A: Mutual Fund Distributors Certification
68	2019-20	MBA - FMB	198413028	Rupali Agrawal	NISM-201900109212	NISM Series V-A: Mutual Fund Distributors Certification
69	2019-20	MBA - FMB	198413028	Rupali Agrawal	NISM-201900109212	NISM Series XII: Securities Market Foundation Certification
70	2019-20	MBA - FMB	198413030	Sanya Raizada	NISM-201900109940	NISM Series V-A: Mutual Fund Distributors Certification
71	2019-20	MBA - FMB	198413030	Sanya Raizada	NISM-201900109940	NISM Series XII: Securities Market Foundation Certification
72	2019-20	MBA - FMB	198413031	Sarita Sengar	NISM-201900109307	NISM Series V-A: Mutual Fund Distributors Certification

Institute of Business Management, GLA University, Mathura
Criteria 5 - Student Support & Progression

Students qualifying in NISM Examination (Session - 2019-20)

S. No.	Session	Course	University Roll No.	Name Of the Student	Exam Registration ID	Exam Detail
73	2019-20	MBA - FMB	198413031	Sarita Sengar	NISM-201900109307	NISM Series XII: Securities Market Foundation Certification
74	2019-20	MBA - FMB	198413034	Shivanshu Garg	NISM-201900109220	NISM Series V-A: Mutual Fund Distributors Certification
75	2019-20	MBA - FMB	198413035	Shreshi Jhawar	NISM-201900109149	NISM Series V-A: Mutual Fund Distributors Certification
76	2019-20	MBA - FMB	198413035	Shreshi Jhawar	NISM-201900109149	NISM Series XII: Securities Market Foundation Certification
77	2019-20	MBA - FMB	198413036	Srashti Varshney	NISM-201900110119	NISM Series V-A: Mutual Fund Distributors Certification
78	2019-20	MBA - FMB	198413038	Umang Bhartia	NISM-201900111355	NISM Series V-A: Mutual Fund Distributors Certification

[Dr. Ankit Saxena]

Special classes on reasoning & quants

GLA University, Mathura

GLAIBM/Office/3099/2019 **Notice** **Date: 01-Aug-2019**

All the students of BBA III[rd] year are hereby intimated that university is planning to conduct Special Classes on Career Counselling (3pm to 6pm) on Saturdays. The conduction of the classes will be as per the following schedule:

- BBA IIIrd yr: First floor conference hall AB-V.

All the students of above mentioned courses are required to attend the same.

(Prof. Somesh Dhamija)

Head, IBM-UG

SPECIAL CLASSES ON REASONING AND QUANTS-V

Selections: Problems related to selection of people and group of people from large groups on predefined set of conditions. Real Function-II: Study of different types of functions- 1) Logarithmic, 2) Modulus,3) Exponential,4) Greatest integer Function,5) Trigonometric function. Problem related to Composite functions and Iterative functions. **Quantitative Aptitude: Games and tournament;**

1. Questions based on Seed or Rank (Knockout tournament) 2. Questions based on scheduling of tournament or who won/lost against whom 3. Questions based on goals for /goals against etc.

Institute of Business Management

GLA University, Mathura

Date: 10-January-2020

GLAIBM/Office/3103/2020Notice

All the students of B. Com-H IIIrd yr, BBA(FB) IIIrdyr and BBA IIIrd yr are hereby intimated that university is planning to conduct Special Classes on Career Counselling (3pm to 6pm) on Saturdays. The conduction of the classes will be as per the following schedule:

- B. Com-H IIIrdyr: Ground floor conference hall AB V.
- BBA 3rd yr& BBA (FB): First floor conference hall AB-V.

All the students of above mentioned courses are required to attend the same.

(Prof. Somesh Dhamija)

Head, IBM-UG

SPECIAL CLASSES ON REASONING AND QUANTS-VI

Semester VI

Reasoning Ability:CUBES: Cutting of Cubes, Painting of Sides of Cubes, Counting cubes of identical colour faces **Trigonometry:** Defining Trigonometric Ratios with their properties, Question based on Circular Measure of angles (Radian & Degree Measure), Questions based on angle of elevation, Questions based on angle of depression. *Discuss the logical and visualizing ability towards various problems Increase their ability to recognize patterns in various situations Prepare and face various competitive examinations. Understand implication of reasoning ability to solve day to day problems* **Reasoning Ability: Logical Connectives:** Defining different types of logical Connectives and Solving Different types of problem relating with these connectives.

GLA UNIVERSITY
MATHURA
Recognised by UGC Under Section 2(f)

GLA University, Mathura

Institute of Pharmaceutical Research

IPR/Notice-CE/2019/1238a

NOTICE Date: 4/09/2019

The GPAT Classes for B.Pharm. students would commence from September 7, 2019 on every Saturday from 11:00 A.M.

Students, please note and be particular to attend.

Meenakshi.

Prof. Meenakshi Bajpai

(HOD)

Head

GRADUATE PHARMACY APTITUDE TEST (GPAT) SYLLABUS

SUBJECTS

- Physical Chemistry
- Physical Pharmacy
- Organic Chemistry
- Pharmaceutical Chemistry
- Pharmaceutics
- Pharmacology
- Pharmacognosy
- Pharmaceutical Analysis
- Biochemistry
- Biotechnology
- Microbiology
- Pathophysiology
- Biopharmaceutics and Pharmacokinetics
- Clinical Pharmacy and Therapeutics
- Human Anatomy and Physiology
- Pharmaceutical Engineering
- Pharmaceutical Management
- Pharmaceutical Jurisprudence
- Dispensing and Hospital Pharmacy

Note: *The selected topics were discussed by respective faculty members in the above subjects.*

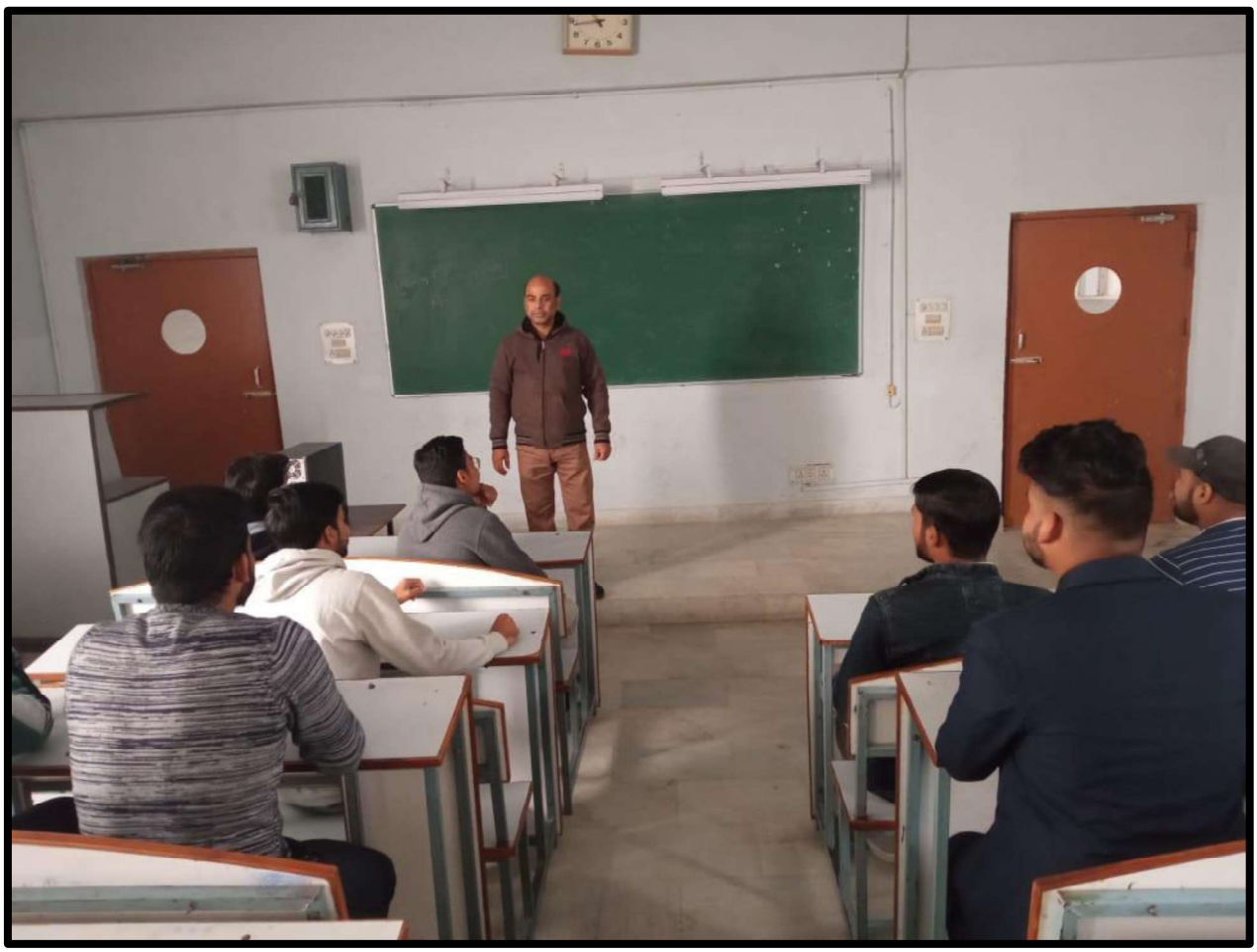


Image: Glimpse of GPAT Class Teaching

GLA UNIVERSITY MATHURA

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Institute Of Legal Studies And Research

NOTICE

DATE: 25th JUNE, 2019

All the students are hereby informed that the Institute is going to run the classes for competitive examination/ corporate training for the newly admitted students. All the students are required to attend the same of his/her area of interest.

Arunanshu Dubey

(Asst.Professor&Program Coordinator,ILSR)

GLA UNIVERSITY MATHURA
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Institute Of Legal Studies And Research

BA/B. COM LL.B. (HONS) PROGRAMME

CORPORATE LAW

Objectives:

This course is designed to provide the student with knowledge of the legal environment in which a consumer and businesses operates, and to provide the student with knowledge of legal principles.

Course Outcomes: On completion of this course, learners will be able to:

- On completion of this course, learners will be able to appreciate the relevance of corporate law to individuals and corporates and the role of law in an economic, political and social context.
- Identify the fundamental legal principles behind contractual agreements.Examine how businesses can be held liable in tort for the actions of their employees.
- Understand the legal and fiscal structure of different forms of business organizations and their responsibilities as an employer.
- Acquire problem solving techniques and to be able to present coherent, concise legal

1st YEAR SYLLABUS

Module No.	Content	Teaching Hours
Module-I	**Corporate Incorporation and Management Business Organization, Corporate personality and Registration of companies** • Business organization and corporate personality: its nature, advantages, disadvantages and types Registration, incorporation and commencement of business by companies Objects, powers of companies and their internal administration • **Kinds of meetings and other applicable law** Kinds of companies Meetings of companies Other laws affecting companies • **Raising of capital by companies**	**30**

	Share capital and its nature, kinds, rights and liabilities of shareholders Alteration of capital and its implications Raising of capital by companies by issue of securities Listing and de-listing of securities and their implications • **Corporate Management and Governance: Part 1** Governance structure of companies Directors, their appointment, qualifications, position, powers, duties and liabilities Types of directors and other managerial personnel companies • **Corporate Management and Governance: Part 2** Corporate governance in Indian companies Corporate Social Responsibility Promoters, their position, power, duties and liabilities	
Module-II	• Letter writing • CV Drafting , Cover Letter & applying for internships • Introduction to parts of Contract • Contract Drafting Checklist • Roadmap for learning contract drafting skills • Latin Maxims of Law • Advocacy (oral work in court) • How to do Research	**30**

REFERENCE BOOKS:

- Anil Kumar: 'Taxman's Corporate Law"
- Franklin Gevurtz: 'Global Issues in Corporate Law"
- R.N. Chaturvedi: 'Pleading, Drafting & Conveyancing'
- H.L. Kumar: 'Legal Drafting: Do it yourself'
- Nayan Joshi:'Legal Writing & Drafting'
- R.K. Sahani& B.L. Bansal: 'Pleadings & Drafting (Civil & Criminal)

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Preliminary Exam Syllabus

- General Knowledge
- Communications and Space
- Current National Issues & topics of Social relevance.
- Geography of India.
- History of India.
- India and the World.
- Indian Culture.
- Indian Economy.
- Indian Polity.
- International Affairs and Institutions.
- Science and Technology etc.

Law:

- Civil Procedure Code.
- Criminal Procedure Code.
- Current International Affairs.
- Indian Constitution.
- Indian Evidence Act.
- Indian Penal Code.
- International Organizations.
- Law of Contract.
- Transfer of Property Act
- Jurisprudence

GLA UNIVERSITY MATHURA

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Main Exam Syllabus:

General Knowledge (Paper – 1) 3 HOURS /200Marks

- Communications and Space
- Current National Issues.
- Geography of India.
- History of India.
- India and the World.
- Indian Culture.
- Indian Economy.
- Indian Polity.
- International Affairs and Institutions.
- Science and Technology.
- Topics of Social relevance etc.

Language (Paper – 2) 3 HOURS /200Marks

- English Precis writing. 60 Marks
- Essay writing. 60 Marks
- Translation of Passage from English to Hindi. 40 Marks
- Translation of passage from Hindi to English. 40 Marks

Law – I (Paper – 3) 3 HOURS /200Marks

Substantive Law

- Constitutional Law.
- Hindu Law.
- Law of trust and specific relief.
- Mohammedan Law.
- The Law concerning easements and torts.
- The Law of Contracts.
- The Law of Partnership.
- The Law relating to the principles of equity.
- The Law relating to transfer of property.

Note: There shall be questions of 50 marks in relation to Constitutional Law alone.

Law-II Paper – 4) 3 HOURS /200Marks

Procedure and Evidence

- Code of Civil Procedure.
- Evidence of witnesses.
- Framing of charges.
- Practical matters.
- Principles of pleading.
- The conduct of cases.
- The Criminal Procedure Code.
- The Law of Evidence.
- The writing of judgment.

Law-III (Paper – 5) 3 HOURS /200Marks

Penal, Revenue and Local Laws

- Indian Penal Code.
- Land reforms Act 1951, Uttar Pradesh.
- The Uttar Pradesh Zamindari Abolition.
- Consolidation of Holdings Act, 1953.
- Panchayat Raj Act.
- Urban Buildings (Regulation of Letting, Rent and Eviction) Act, 1972.
- Uttar Pradesh Municipalities Act.
- Uttar Pradesh Urban (Planning and Development) Act 1973.

Interview

Candidates who are qualified in both prelims and mains exam will be called for interview. Candidates will be selected in the interview on the basis of behavior, personality, nature of answering the questions. The authorities have a right to call the candidates on the basis of merit only i.e the marks obtained in the prelims and mains exam. The marks obtained in both prelims and mains will be taken both in aggregate only.

GLA UNIVERSITY MATHURA

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Institute Of Legal Studies And Research

Syllabus for Judiciary Classes in GLA, University

First Year

General Studies Paper

- History of India.
- India and the World.
- Indian Culture.

Law Paper

- Indian Constitution.
- Current International Affairs.

Second Year

General Studies Paper

- Indian Polity.
- International Affairs and Institutions

Law Paper

- Law of Contract.
- International Organizations.

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Third Year

General Studies Paper

- Current National Issues.
- Geography of India.

Law Paper

- Indian Penal Code.
- Criminal Procedure Code.

Fourth Year

General Studies Paper

- Science and Technology.
- Communications and Space

Law Paper

- Indian Evidence Act.
- Transfer of Property Act

Fifth Year

General Studies Paper

- Indian Economy.

Law Paper

- Civil Procedure Code.
- Jurisprudence
- Local Laws

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SCHEDULED TIME TABLE

GLA UNIVERSITY MATHURA

INSTITUTE OF LEGAL STUDIES AND RESEARCH

B.A. LLB 1st Semester 2019-2020 (Odd Semester)

Day	1 10:00- 11:00 AM	2 11:00-12:00 PM	3 12:00-01:00 PM	4 01:00-02:00	5 02:00-03:00 PM	6 03:00-04:00 PM	7 04:00-05:00 PM	8 05:00-06:00 PM
Monday	Law of Torts BALC0002	General English BELH0010	History BALC0005		Political Science BALC0006	Constitutional Law BALC0001	Sociology BALC0004	Judiciary/Corporate
Tuesday	General English BELH0010	Law of Torts BALC0002	Sociology BALC0004		Political Science BALC0006	Constitutional Law BALC0001	History BALC0005	Judiciary/Corporate
Wednesday	General English BELH0010	Law of Torts BALC0002	Sociology BALC0004	LUNCH	History BALC0005	Constitutional Law BALC0001	Political Science BALC0006	Judiciary/Corporate
Thursday	Constitutional Law BALC0001	Law of Torts BALC0002	Political Science BALC0006		History BALC0005	General English BELH0010	Sociology BALC0004	Judiciary/Corporate
Friday	General English BELH0010	Law of Torts BALC0002	Sociology BALC0004		Political Science BALC0006	Constitutional Law BALC0001	History BALC0005	Judiciary/Corporate

Room No 524

Academic Block-X

S.N.	Subject	Faculty
1	Constitutional Law (R.N. 524)	Mr. Arunanshu Dubey Mrs. Shradha Baranwal
2	Law of Torts (R.N. 524)	Mr. Indra Kumar Singh
3	General English:(R.N. 524)	Dr. Shayam Ji
4	Political Science: Political Theory (R.N. 524)	Dr. Sandeep Tripathi
5	History: Legal History (R.N. 524)	Dr. Padmaja Parashar
6	Sociology: (R.N. 524)	Ms. Akanksha
7	Jdiciary classes	Mr. IK Singh

Arunanshu Dubey
(Programme Co-ordinator)

GLA UNIVERSITY MATHURA

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Institute Of Legal Studies And Research

SCHEDULED TIME TABLE

GLA UNIVERSITY MATHURA

INSTITUTE OF LEGAL STUDIES AND RESEARCH

B.Com. LLB 3rd Semester 2019-2020 (Odd Semester)

Day	1	2	3	4	5	6	7	8
	10:00- 11:00 AM	11:00-12:00 PM	12:00-01:00 AM	01:00-02:00 PM	02:00-03:00 PM	03:00-04:00 PM	04:00-05:00 PM	05:00-06:00 PM
Monday	Family Law (BALC 1003)	Jurisprudence (BALC 1001)	Managerial Economics I (BCLC 1008)		Law of Contract (BALC 1002)	Principles of Taxation (BCLC 1009)	Corporate Accounting BCLC1007	Judiciary/Corporate
Tuesday	Family Law (BALC 1003)	Jurisprudence (BALC 1001)	Managerial Economics I (BCLC 1008)	LUNCH	Law of Contract (BALC 1002)	Principles of Taxation (BCLC 1009)	Corporate Accounting BCLC1007	CJudiciary/Corporate
Wednesday	Family Law (BALC 1003)	Jurisprudence (BALC 1001)	Managerial Economics I (BCLC 1008)		Law of Contract (BALC 1002)	Principles of Taxation (BCLC 1009)	Corporate Accounting BCLC1007	
Thursday	Family Law (BALC 1003)	Jurisprudence (BALC 1001)	Managerial Economics I (BCLC 1008)		Law of Contract (BALC 1002)	Principles of Taxation (BCLC 1009)	Corporate Accounting BCLC1007	Judiciary/Corporate
Friday	Family Law (BALC 1003)	Jurisprudence (BALC 1001)	Managerial Economics I (BCLC 1008)		Law of Contract (BALC 1002)	Principles of Taxation (BCLC 1009)	Corporate Accounting BCLC1007	Judiciary/Corporate

Room No 525
Academic Block-X

S.N.	Subject	Faculty
1	Jurisprudence (R.N. 525)/Judiciary	Mr. Arunanshu Dubey/ Deependra Pathak
2	Law of Contract (R.N. 525)	Mr. Indra Kumar Singh/Prof. Dr. Sukh Pal Singh
3	Family Law (R.N. 525)	Mrs. Shradha Baranwal
4	Corporate Accounting (R.N. 435)	Mr. Mohit Kant Kaushik
5	Managerial Economics (R.N. 435)	Dr. Vasim Akram
6	Principles of Taxation (R.N. 435)	Mr. Rachit Mittal

7Shradha Baranwal Arunanshu Dubey

Arunanshu Dubey
(Programme Coordinator)

GLA UNIVERSITY MATHURA

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SCHEDULED TIME TABLE

GLA UNIVERSITY MATHURA

INSTITUTE OF LEGAL STUDIES AND RESEARCH

B.A. LLB 3rd Semester 2019-2020 (Odd Semester)

Day	1 10:00- 11:00 AM	2 11:00-12:00 PM	3 2:00-01:00 PM	4 01:00-02:00 PM	5 02:00-03:00 PM	6 3:00-04:00 PM	7 4:00-05:00 PM	8 05:00-06:00 PM
Monday	Family Law -I (BALC 1003)	Jurisprudence-I (BALC 1001)	Political Science BALC1006		Law of Contract (BALC 1002)	Sociology BALC0004	History BALC0005	Judiciary/Corporate
Tuesday	Family Law -I (BALC 1003)	Jurisprudence-I (BALC 1001)	History BALC0005	LUNCH	Law of Contract (BALC	Political Science BALC0006	Sociology BALC0004	Judiciary/Corporate
Wednesday	Family Law -I (BALC 1003)	Jurisprudence-I (BALC 1001)	Political Science BALC0006		Law of Contract (BALC	History BALC0005	Sociology BALC0004	
Thursday	Family Law -I (BALC 1003)	Jurisprudence-I (BALC 1001)	Sociology BALC0004		Law of Contract (BALC	Political Science BALC0006	History BALC0005	Judiciary/Corporate
Friday	Family Law -I (BALC 1003)	Jurisprudence-I (BALC 1001)	History BALC0005		Law of Contract (BALC 1002)	Sociology BALC0004	Political Science BALC0006	Judiciary/Corporate

Room No 525
Academic Block-X

S.N.	Subject	Faculty
1	Jurisprudence-I (R.N. 525)/(	Mr. Arunanshu Dubey/ Deependra P
2	Law of Contract-I (R.N. 525)	Mr. Indra Kumar Singh/Prof. Dr. Sukh Pal S
3	Family Law-I (R.N. 525)	Mrs. Shradha Barnwal
4	Political System and Goverr	Dr. Sandeep Tripathi
5	Legal & Judical System in In	Dr. Padamja Pararshar
6	Sociology-III (R.N. 525)	Ms. Akanksha
7	Judiciary/corporate	IK Singh/Arunanshu Dubey

Arunanshu Dubey
(Programme Coordinator)

GLA UNIVERSITY MATHURA

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Institute Of Legal Studies And Research

SCHEDULE TIME TABLE

GLA UNIVERSITY MATHURA

INSTITUTE OF LEGAL STUDIES AND RESEARCH

B.Com. LLB 1st Semester 2019-2020 (Odd Semester)

Day	1	2	3	4	5	6	7	8
	10:00- 11:00 AM	11:00-12:00 PM	12:00-01:00 PM	01:00-02:00 PM	02:00-03:00 PM	03:00-04:00 PM	04:00-05:00 PM	05:00-06:00 PM
Monday	Law of Torts BALC0002	General English BELH0010	Principles of Management BCLC0001	LUNCH	Financial Accounting BCLC0002	Constitutional Law BALC0001	Library	Judiciary/Corporate
Tuesday	General English BELH0010	Law of Torts BALC0002	Principles of Management BCLC0001		Financial Accounting BCLC0002	Constitutional Law BALC0001	Library	Judiciary/Corporate
Wednesday	General English BELH0010	Law of Torts BALC0002	Principles of Management BCLC0001		Financial Accounting BCLC0002	Constitutional Law BALC0001	Judiciary/Corporate	Library
Thursday	General English BELH0010	Law of Torts BALC0002	Principles of Management BCLC0001		Financial Accounting BCLC0002	General English BELH0010	Library	Judiciary/Corporate
Friday	General English BELH0001	Law of Torts BALC0002	Principles of Management BCLC0001		Financial Accounting BCLC0002	Constitutional Law BALC0001	Library	Judiciary/Corporate

Room No 524

Academic Block-X

S.N.	Subject	Faculty
1	Constitutional Law (R.N. 524)/Judiciary	Mr. I K SinghD / Mrs. Shradha Baranwal
2	Law of Torts (R.N. 524)/ corporate	Mr.Arunanshu Dubey
3	General English (R.N. 524)	Dr. Shayam Ji
4	Principles of Management (535)	Mr. Rachit Mittal
5	Financial Accounting (535)	Mr. Mohit Kant Kaushik

Arunanshu Dubey
(Programme Coordinator)