

GPAT DISCUSSION CENTER

NIPER-2021

 **RANKED NO. -1**
IN PHARMA EDUCATION



PROSPECTUS - 2021

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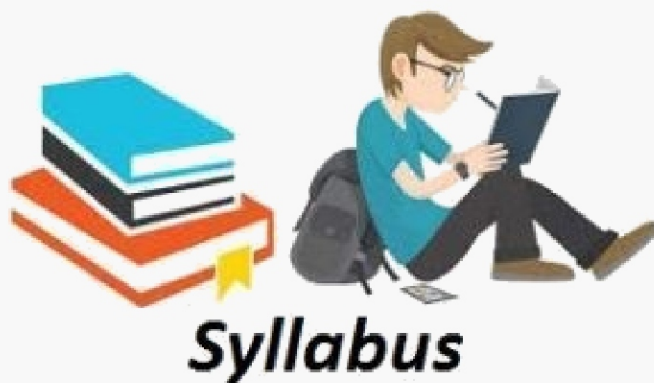
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NIPER-2021



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GPAT DISCUSSION CENTER

Ranked Number 1 in Pharma Education



Now your GPAT-2021 result have been declared you might be enjoying last day of your college life (writing slams, enjoying parties etc.) but remember that you have not still achieved your final destination because there is no place in India like NIPER for pursuing your post graduate education. So you should have proper Balance between your enjoyment and study.

We have decided to take one step ahead and to start the NIPER Test series & Classroom program for NIPER JEE-2021, which will make your preparation easier and more oriented. Any rank qualified ranker in GPAT, also get admission in NIPER by their hard work in rest period of time, We will prove this again in coming month.

The National Institute of Pharmaceutical Education and Research (NIPER) at S.A.S Nagar (Mohali) created as a Centre of Excellence for imparting higher education, research and development in pharmaceutical sciences and management is the first Institute of its kind in the country. The Institute was declared as an Institute of National Importance by Government of India through an Act of Parliament, notified on 26th June 1998. The Institute is a member of the Association of Indian Universities. During the years 2007 and 2008, Government of India established six more NIPERs as detailed below:-

- ➔ **NIPER, Mohali-** www.niper.nic.in
- ➔ **NIPER , Ahmedabad** - www.niperahm.ac.in
- ➔ **NIPER , Guwahati** - www.niperguwahati.ac.in
- ➔ **NIPER, Hajipur-** www.niperhajipur.ac.in
- ➔ **NIPER, Hyderabad** - www.niperhyd.ac.in
- ➔ **NIPER, Kolkata** - www.niperkolkata.edu.in
- ➔ **NIPER,Raebareli-** www.niperraebareli.edu.in

NIPER Act empowers the Institute vide following Sections

Section 7(ii) “to concentrate on courses leading to masters degree, doctoral and post doctoral courses and research in pharmaceutical education”. Section 7 (iii) “to hold examinations and grant degrees”.

Section 32 “Not with standing anything contained in the University Grants Commission Act, 1956 or in any other law for the time being in force, the Institute shall have power to grant degrees and other academic distinctions and titles under this Act”.

Institute is awarding degrees like Ph.D.; M.Pharm.; M.Tech. (Pharm.); M.S.(Pharm.) and M.B.A. (Pharm.) As mandated to it by Section 7 (ii), (iii) and Section 32 of the NIPER Act 1998.

The main objectives of the institutes are :

1. Toning up the level of pharmaceutical education and research by training the future teachers, research scientists and managers for the industry and profession.
2. Continuing education programmes
3. Creation of National Centres to cater to the needs of pharmaceutical industries and other research and teaching institutes
4. Collaboration with Indian industries to meet the global challenges
5. National/International collaborative research
6. Curriculum and media development
7. Study of sociological aspects of drug 'use and abuse', and rural pharmacy, etc
8. Conducting programmes on drug surveillance, community pharmacy and pharmaceutical management

IMPORTANT DATES FOR ADMISSION

TENTATIVE IMPORTANT DATES FOR ADMISSION		
1	Date of commencement of online Registration	April 1 st Week
2	Last date for online Registration	May 2 nd week
3	Online Delivery of Admit Card to respective e-mails / Downloads	June 1 st Week
4	Online NIPER Joint Entrance Examination (Computer Based Test)	June 2 nd Week
5	Declaration of result (Website-www.niperahm.ac.in)	June 3 rd Week



ACADAMIC PROGRAM

AVAILABILITY AT VARIOUS NIPERs AND QUALIFYING DEGREES

The institute offers the students various courses viz. M. Pharm, M. Tech. (Pharm), M.S (Pharm.) and Ph.D. Programmes in various departments every year.

First bring good rank in entrance

Specialization branch you can select at time of counseling.

ACADEMIC PROGRAM: AVAILABILITY AT VARIOUS NIPERs AND QUALIFYING DEGREES

M.S.(Pharm.); M.Pharm.; M.Tech. (Pharm.), M.B.A. (Pharm.)

Departments/Disciplines, Offering NIPERs and Eligibility Criteria

Biotechnology:	M.S. (Pharm.)
Offering NIPER:	Ahmedabad,Guwahati,Hajipur,S.A.S.Nagar
Eligibility:	B.Pharm.; M.Sc. (Biological Sciences)

Clinical Research:	M.Pharm.
Offering NIPER:	S.A.S. Nagar
Eligibility:	B. Pharm.

Medicinal Chemistry;	M.S. (Pharm.)
Offering NIPER:	Ahmedabad, Hyderabad, Kolkata,Raebareli, S.A.S. Nagar
Eligibility:	B.Pharm.; M.Sc.(Organic Chemistry)

Medical Devices:	M.S.(Pharm.)
Offering NIPER:	Ahmedabad
Eligibility:	B.Pharm

Natural Products:	M.S. (Pharm.)
Offering NIPER:	Ahmedabad,Kolkata,S.A.S.Nagar
Eligibility:	B.Pharm.;M.Sc.Organic Chemistry)

Pharmaceutical Analysis:	M.S.(Pharm.)
Offering NIPER:	Ahmedabad,Hyderabad,S.A.S.Nagar
Eligibility:	B.Pharm.; M.Sc.(Organic/Analytical Chemistry)

Pharmaceutical Technology (Biotechnology):	M.Tech. (Pharm.)
Offering NIPER:	S.A.S. Nagar
Eligibility:	B.Pharm./M.Sc. (Life Sciences)

Pharmaceutical Technology (Formulations):	M.Pharm.
Offering NIPER:	S.A.S. Nagar
Eligibility:	B.Pharm.

Pharmaceutical Technology (Process Chemistry):	M.Tech. (Pharm.)
Offering NIPER:	Hyderabad, S.A.S. Nagar
Eligibility:	B.Pharm.; M.Sc. (Organic Chemistry); B.Tech. (Chemical Engineering) or equivalent

Regulatory Toxicology: M.S. (Pharm.)

Offering NIPER: Hyderabad, S.A.S. Nagar

Eligibility: B. Pharm.; B.V.Sc.; M.Sc.(Pharmacology/ Toxicology/LifeSciences/Biochemistry/Medical Biotechnology/Zoology); M.B.B.S.

Traditional Medicine: M.S. (Pharm.)

Offering NIPER: S.A.S. Nagar

Eligibility: B.Pharm; B.A.M.S.; M.Sc. (Botany)

Pharmaceutical Management; M.B.A.(Pharm.)

Offering NIPER: Hyderabad; S.A.S. Nagar

Eligibility: B.Pharm.; B.Tech (Chemical Engg. or equivalent); M.Sc. (Chemical/Life Sciences)

Pharmaceutics: M.S. (Pharm.)

Offering NIPER: Ahmedabad, Hyderabad, Raebareli; S.A.S. Nagar

Eligibility: B.Pharm.

Pharmacoinformatics: M.S. (Pharm.)

Offering NIPER: Hajipur, Kolkata, S.A.S. Nagar

Eligibility: B. Pharm.; M.Sc.(Organic/Physical/Pharmaceutical Chemistry); M.Sc./B.Tech. (Bioinformatics);

M.Sc. (Biochemistry/Biotechnology/Molecular Biology/Microbiology)

Pharmacology and Toxicology: M.S. (Pharm.)

Offering NIPER: Ahmedabad, Guwahati, Hyderabad, Raebareli, S.A.S. Nagar

Eligibility: B.Pharm.; B.V.Sc.; M.B.B.S.

Pharmacy Practice: M.Pharm.

Offering NIPER: Guwahati, Hajipur, S.A.S. Nagar

Eligibility: B. Pharm.

(Ahmedabad; Guwahati; Hajipur; Hyderabad; Kolkata; Raebareli; S.A.S.Nagar)

NIPER S.A.S. NAGAR

Indian Pharma Industry has been a global leader in generic drugs. In order to acquire leadership position in drug discovery and development and to continue to excel in the formulations, Government recognized that human resources/talent pool is very critical. Thus, Government of India set up “**National Institute of Pharmaceutical Education & Research (NIPER) at S.A.S. Nagar Mohali**” in 1991 as a registered society under Society Registered Act, 1860. Subsequently, the Institute was given statutory recognition by an Act of Parliament (NIPER Act, 1998) and NIPER has been declared as an **Institute of National Importance**.

National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, an autonomous body set up under the aegis of Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India, is the first national level institute in pharmaceutical sciences with a proclaimed objective of becoming a centre of excellence for advanced studies and research in pharmaceutical sciences. **NIPER, S.A.S. Nagar is ranked No. 3 by the National Institutional Ranking Framework (NIRF) for the year 2019 in the Pharmacy category in the country.** In addition to the above, NIPER S.A.S. Nagar is a member of Association of Indian Universities. Since its inception, 2579 Master's, 607 MBA and 320 Ph.D. students have graduated from NIPER, SAS Nagar. Institute is involved in the cutting edge research in various diseases area, very well exemplified by publication of 2580 research papers and filing of 192 patents out of which 91 have been granted.

The aims of NIPER S.A.S. Nagar are achieved by:

- 1. Teaching activities** M.S. (Pharm.), M.Tech. (Pharm.), MBA (Pharm.) & Ph.D. courses are being offered.
- 2. Research and Development activities** - Sponsored research projects/consultancy/Project handling/upscaling.
- 3. Support to industry** - The Institute provides support to the industry through its service centres viz Library & Information Centre, Central Instrumentation Laboratory, National Toxicology Centre, Small & Medium Pharmaceutical Industry Centre, Technical Development Centre, National Bioavailability Centre, NPIC etc.)

NIPER, S.A.S. Nagar offers highly trained technical manpower to the domestic pharmaceutical sector. The merit of the students (Masters' and PhD) of the Institute has been recognized with many awards and distinctions. The Institute has also been awarded with **Thomson Reuters Innovation Award 2011** (Govt. sector).

NIPER S.A.S Nagar has also licensed out some technologies developed at different Centres/Departments of the Institute.

Courses	Disciplines	No. Of Seats'
M.S. (Pharm)	Medicinal Chemistry	26
	Natural Products	13
	Traditional Medicine	5
	Pharmaceutical Analysis	9
	Pharmacology it Toxicology	18
	Regulatory Toxicology	9
	Pharmaceutics	20
	Pharmacoinfonnnatics	17
	Biotechnology	35

M.Pharm	Pharmacy Practice	9
	Clinical Research	9
	Pharmaceutical Technology (Formulation)	7
M.Tech (Pharm)	Pharmaceutical Technology (Process Chemistry)	17
	Pharmaceutical Technology (Biotechnology)	11
M.B.A. (Pharm)	Pharmaceutical Management	46

NIPER, AHMEDABAD

Courses	Disciplines	No of Seats'
M.S.(Pharm)	Biotechnology	13
	Medicinal Chemistry	22
	Medical Devices	15
	Natural Products	10
	Pharmaceutical Analysis	25
	Pharmacology & Toxicology	
	Pharmaceutics	25
M.BA (Pharm)	Pharmaceutical Management	20

Note: Seats may subject to change: inducing EWS

NIPER, GUWAHATI

Courses	Disciplines	No of Seats
M.S.(Pharm)	Pharmacology & Toxicology	15
	Biotechnology	10
	Pharmaceutics	18
	Pharmaceutical Analysis	19
	Medicinal Chemistry	11
M.Pharm	Pharmacy Practice	10
	Pharmaceutical Technology (Formulations)	11

Note : Seats may subject to change 'Including

NIPER, HAJIPUR

Courses	Disciplines	No. of Seats*
M.S.(Pharm)	Biotechnology	18
	Pharmacology & Toxicology	18
M.Pharm	Pharmacy Practice	18

Note: Seats may subject to change *Including EWS

NIPER, HYDERABAD

Courses	Disciplines	No of Seats*
MS (Pharm)	Medicinal Chemistry	22
	Pharmaceutical Analysis	22
	Pharmacology and Toxicology	17
	Pharmaceutics	27
	Regulatory Toxicology	17
M. Tech (Pharm)	Pharmaceutical Technology (Process Chemistry)	17
M.B.A (Pharm)	Pharmaceutical Management	38

Note: Seats may subject to change *Including EWS

NIPER KOLKATA

Courses	Disciplines	No of Seats*
M.S.(Pharm)	Medicinal Chemistry	20
	Natural Products	07
	Pharmacoinformatics	05
	Pharmacology and Toxicology	20
	Pharmaceutics	11

Note: Seats may subject to change *Including EWS

NIPER, RAEBARELI

Courses	Disciplines	No of Seats*
M.S.(Pharm)	Medicinal Chemistry	25
	Pharmaceutics	20
	Pharmacology & Toxicology	20
	Regulatory Toxicology	12

Note: Seats may subject to change: * Including EWS

Eligibility

The candidate should have passed the qualifying degree with a minimum of 60% marks in aggregate or CGPA of 6.75 on a 10 point scale wherever grades are awarded or equivalent (Percentage of marks or CGPA so calculated will be based on the norms fixed by the concerned University/Institution or aggregate marks or CGPA scored by the candidate for all years of the qualifying degree, in case University/Institution has not prescribed any norm for calculating such percentage or CGPA). It is mandatory to bring GPAT/GATE/NET score card at the time of counseling/Group Discussion and Interview. Further GPAT/GATE/NET is an essential qualification for all programme [including M.B.A.(Pharm.)]

ONLINE ENTRANCE TEST



There will be a common paper for all Masters Programs including M.B.A. (Pharm.). The question paper will consist of 200 objective multiple type choice questions. The level of questions will be of B. Pharm. and M. Sc (relevant field). A few questions will be from general aptitude. Duration of the examination will be 2 hours.

There will be negative marking in the on line test. 25% marks will be deducted for each wrong Answer. The result of the on line test will be declared on the official Website of the Institute (www.niper.gov.in)

Well questions will be very easy so no need to go in depth of the topic, which clearly indicates that time management, is very important to get success in NIPER entrance. Understanding the question quickly is very important to pick the right choice. It is wise to leave the question if you do not know the answer perfectly. Chemistry, Pharmacology, Biotechnology, Pharmaceutical analysis are the core subjects from which questions are being asked. There is no need to worry about Pharmacognosy or forensic pharmacy (Pharmaceutical Judispudence) as in GPAT, basic concepts based questions are asked. M. Pharm branches and M.B.A. has a common entrance paper. So read some General knowledge, Pharma management and Pharma News aspects also.

There is no official syllabus prescribed by NIPER institute for the entrance examination. Here we are providing the expected syllabus by the help of our TEAM and last year NIPER students. Our materials and model question papers help to review the subject and practice time management. If you can secure a good rank in NIPER entrance you should plan and prepare accordingly. Let us now see about subject wise preparation.

This syllabus is just like **GPAT** entrance but more specific in Basic Chemistry instead of *medicinal chemistry* and many more subject, get the Syllabus from the website www.gdc4gpat.com , www.gdconlinetest.in for detail.

Specialization subjects: What to study?

ORGANIC CHEMISTRY AND BULK DRUGS (PHARMACEUTICAL TECHNOLOGY)

1. IUPAC nomenclature, R and S nomenclature, E and Z isomerism, atropiisomerism, Conformations laws.
2. Hybridization, aromaticity, Huckel's rule reaction mechanisms- Electrophilic, Nucleophilic, SN1, Sn2, SNi, Elimination E1, E2 etc
3. Ester hydrolysis, Aac1 Aac2..all eight mechanisms (Jerry march) Markovnikov's rule with examples, Bredt's rule, Stereoselectivity, stereospecificity, regioselectivity, chemoselectivity, chirality, stereochemistry, conformations, rearrangements, acids and bases.
4. Imine-enamine Tautomerism, keto-enol tautomerism, pericyclic reactions, racemic mixture, Resolution methods.
5. Amino acids, proteins, various methods for amino acid detection, Ninhydrin test, peptide sequencing, structures of amino acids, essential and nonessential amino acids.
6. Introduction to thermal methods of analysis like, TGA, DSC, DTA etc.
7. Carbohydrates, osazone test, mutarotation, etc.
8. Various Heterocycles, Heterocycle synthesis, reactions.
9. Introduction to Redox reactions.
10. Spectroscopy: (basics specially): Very very IMP topic. NMR, and C-NMR ranges from Morrison & Boyd or Pavia Mass -Basic concepts about various peaks M+1, molecular ion, base peak etc. (Silverstein) IR - Frequencies of various groups specially carbonyls. UV.
11. Chromatography: Details of every chromatographic method.
12. Reaction kinetics, first second third and pseudo first order reactions, radio labeling for determination of mechanism.
13. Common condensation reactions like Aldol, Claisen, Perkin, Dickmann, Darzen etc.
14. Other reactions like Cannizzaro's reaction, Prins reaction, especially reactions of carbonyl compounds.
15. Oxidizing & reducing agents like sodium borohydride, chromic acid & their use in named reactions
16. Stereochemistry chiefly very very very important.
17. UV ranges, IR delta values, NMR peaks, Numericals

NATURAL PRODUCTS

In natural products more stress should be given on phytochemistry part rather than biological aspects.

1. Methods of extraction, isolation and characterization of natural products. Various separation techniques used for isolation of natural products.
2. Biosynthetic pathways.
3. Primary metabolites, their examples.
4. Secondary metabolites, various classes of secondary metabolites (e.g. Alkaloids, glycosides, tannins, lignans, saponins, lipids, flavonoids, coumarins, anthocyanidines etc.). Here most imp. Part is chemistry of these classes.
5. Important therapeutic classes: antidiabetics, hepatoprotectives, immunomodulators, nutraceuticals, natural products for gynecological disorders, anti-cancer, anti-viral (mainly anti-HIV), adaptogens etc.
6. Dietary antioxidants, Marine natural products, Plant growth regulators.
7. Spectroscopy: Basic concepts of UV, NMR, IR and Mass spectroscopy. Give more stress on IR and NMR.
8. Stereochemistry: Basic concepts.
9. Fischer, sawhorse and newman projection formulas.
10. Biological sources of important classes of natural products. (Selected ones only)
11. Standardization of natural products.
12. What is difference between natural products and pharmacognosy?
13. Natural products as anti viral & anti cancer agents with examples.

PHARMACOLOGY AND TOXICOLOGY

1. Pharmacokinetics, pharmacodynamics, pharmacological effect, desired, undesired, toxic, adverse effects.
2. Bioavailability, bioequivalence, various factors of ADME. (From Bramhankar)
3. Drug metabolism: various pathways and other details.
4. Drug interactions, agonist, antagonist, partial agonist, protein binding, drug distribution, distribution volume, excretion pathways etc.
5. Pharmacological screening: general principles, various screening models, screening methodologies (in vitro and in vivo tests).
6. Mechanism of drug action, drug-receptor interaction.
7. Various adrenergic, cholinergic and other receptors
8. Detailed study of CNS pharmacology
9. Study of basis of threshold areas of work in NIPER in pharmacology dept. mentioned in brochure.
10. Diseases: study of the pharmacology of the diseases and drugs used with mode of action especially of diabetes, malaria, leishmaniasis, TB, hypertension, myocardial ischemia, inflammation, and immunomodulation.
11. Chemotherapy and pathophysiology- knowledge of antibiotics, their mode of action and the microorganisms responsible for various common diseases.
12. Bioassay methods, various requirements. Brief knowledge of the statistical tests.
13. Basic mechanism of all drugs with major side effects & classification.
14. Receptors classification with examples.

PHARMACEUTICS AND FORMULATION (PHARMACEUTICAL TECHNOLOGY)

1. Drug delivery systems (DDS): NDDS models, osmotic pumps, various release patterns **eg.** Controlled release, delayed release. Sustained release etc. order of release. Oral controlled DDS, factors affecting controlled release.
2. Carriers in DDS: polymers and their classification, types, carbohydrates, surfactants, proteins, lipids, prodrugs etc.
3. Transdermal drug delivery systems (TDDS): principles, absorption enhancers, evaluation of TDDS.
4. Parenterals: requirements, advantages, disadvantages, release pattern, route of drug delivery.
5. Drug targeting: microspheres, nano particles, liposomes, monoclonal antibodies, etc.
6. Preformulation detailed.
7. Complexation, solubilization, polymerization, viscosity measurements.
8. Dosage form development- stages, implications of dosage form.
9. Additives of formulation, types, examples, advantages, disadvantages, drug excipient interaction, incompatibility, various types of incompatibilities.
10. Dosage forms: solid (tablets, capsules, pills etc), liquid (emulsion, suspension etc), sterile (injectables), aerosols. Principles, advantages, disadvantages and problems.
11. Coating - in detail.
12. Packaging: materials, labeling etc. Types of containers (Tamper-proof containers)
13. In process controls, Product specification, documentation.
14. Compartmental modeling. (From Bramhankar)
15. Bioavailability, bioequivalence studies. Methods of improvement of oral bioavailability.
16. Evaluation of formulation, principles and methods of release control in oral formulations.

PHARMACEUTICAL ANALYSIS

1. Stability testing of pharmaceuticals, various stability tests, kinetic studies, shelf life determination, thermal stability, formulation stability.
2. Various analytical techniques
3. Tests: physical and chemical tests, limit tests, microbiological tests, biological tests, disintegration and dissolution tests.
4. Spectroscopic methods; UV, NMR, IR, MS, GCMS, FT-IR, FT-NMR, ATR (Attenuated Total Reflectance), FT-Raman- basics and applications.
5. Thermal techniques: DSC, DTA, TGA, etc.
6. Particle sizing: law of diffraction.
7. Electrophoresis: capillary electrophoresis.
8. Chromatography- detailed.
9. QA and QC: GLP, TQM, ISO system.
10. Preformulation, cyclodextrin inclusion compounds
11. Solubility: pH, pka, surfactant HLB values, Rheology.
12. Crystallinity, polymorphism, solvates and hydrates, crystal habits, porosity, surface area flow properties.
13. Dosage forms, Stages of dosage form development
14. Osmolality, osmolarity, osmotic pressure, conductivity, Preservatives, Media for bioassay.

PHARMACEUTICAL BIOTECHNOLOGY

1. **Protein** : Structure, Allosteric proteins, Amino acid analysis & Protein sequencing (Sanger's, etc from **zubey**), peptide synthesis. (**Lehninger**)
2. **Enzyme** : Active site, Functional groups, Enz-Sub complex, Co-factors, Michaelis-menten eqⁿ, Enzyme inhibition, Isoenzymes, Allosterism, Mechanism of action of some selected enzyme (Chymotrypsin, Trypsin). (Read from **Zubey**)
3. **DNA replication, Transcription and Translation**
4. **Recombinant DNA technology** : Bacterial transformation, transduction, etc. PCR, Southern, Northern blotting, Plasmid-Vector concept. (Read **Microbiology-Tortora** chapter on r-DNA technology).
5. **Immunology** : Concepts of Innate/ Adaptive/ immunity, epitope. Hypersensitivity reactions. ELISA, Immunofluorescence tests.
6. **Microorganism for** amino acids, baker's yeast, ethanol, acetone-butanol, citric acid, lactic acid. Also, antibiotics and vitamin producing organism.

PRACTICE OF PHARMACY

The best part for the preparation for this best reference for this would be Remington's Pharmaceutical Sciences. This branch is quite new here, so till dates students of branch used to do case study of prescriptions in Fortis hospital, PGI Chandigarh and govt. college chd. This is much like pharmacology and drug-drug interactions and different interactions are emphasized. Diabetes, heart diseases are main area of study.

PHARMACOAinformatics

Terminologies related with new emerging informatics e.g. proteomics, genomics, QSAR (2D, 3D, regression, correlation).

References:

Foye, Williams and Lemke, Medicinal chemistry, 5th/6th edition, chapter 1-6.

(Computational drug design and molecular modeling).

nal drug design and molecular modeling).

OTHERS (MOST IMPORTANT & SCORING)

Statistics, general mathematics and aptitude questions. Use MBA entrance test books like CET or CAT in MBA. Additionally some **General awareness questions (synonyms)-10-15 questions**

Latest drugs banned & approved in US market, read latest journals, internet for this-5-6 questions

Ramchandran plot & Bredt & Markonikov rule with examples-3 questions

Complete basics of organic chemistry.

Advancement in analytical chemistry.

NIPER'S THRUST AREAS ARE

Microbial and viral diseases: Yeast, and fungi.

Parasitic and tropical diseases: Malaria, Leishmaniasis, amoebiasis, cancer, aids etc.

Metabolic Disorders: Diabetes Strokes

Oxidizing, reducing agents & Stereochemistry

Organic reactions & mechanisms

Peptide and carbohydrate chemistry.

Genomics and proteomics: yeast and fungi

Hormonal disorders: Sex & TSH related diseases

ENTRANCE PATTERN

You have answer 200 questions in 120min.

But remember its not tough job you can attempt all questions. Only don't waste time on tough question more than 45sec. Most of the questions will take 5sec. to attempt. Try to manage time and success is yours.

Well we repeat again **no need to know everything very thoroughly but go through each bit and piece at least once. Basic conceptual and logical questions are there don't go in more depth.**

Lastly, remember

Men often believe what they believe themselves to be.

If I believe I can not do something, it makes me incapable of doing it.

But when I believe I can, and then I acquire the ability to do it even if I didn't have it in the beginning.

So think that you are destined to be in NIPER and rest assured you will be part of it.

ALL THE BEST

Best Exam Preparation for You. Start Now !!!

IMPROVE YOUR PERFORMANCE BY 15-20 %

GPAT Discussion Center announces launch of NIPER-2021 Online Test Series - India's most innovative online practice mock test series for NIPER JEE aspirants for exact simulation of the NIPER exams. Boost your exam preparation with GDC to crack the NIPER-2021 Select your Package and get started.

This Test is 1st ever of it's kind which shall guide the students for preparing their course on "Revision strategy" through topic wise personalize and comparative analysis. It may helps you in focusing your last time preparation.

U can join the Test any time as per the scheduled time of examination.

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See the brochure for Syllabus and details

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The test series is designed for the preparation of NIPER and promises to deliver its finest in the Exams.

Test will be conducted till NIPER-2021

YOU MAY JOIN THE TEST SERIES ANY TIME AS PER THE EXAMINATION SCHEDULE, STUDENTS MAY ENQUIRE AT ANY TIME ABOUT THE COMPLETE DETAILS

Question In Topic wise and Subject wise, Minor Test is 100, In Mock Test -200

Place of test- Your College/Institution's Net, Any Cyber Cafe or wherever internet facility can be available.

Day & Timing of Test: Any Time , Any Day or as per the schedule Till NIPER-2021

Negative Marking : Same as NIPER-2021 (0.25 marks deduction on every wrong answer)

You can avail these papers any time as well as at anyplace in laptop, Desktop or in Mobile phones but we recommend it take it in Laptop or desktop.

There is no schedule. You can make your own schedule, however for classroom students test schedule will be given to the students on respective centers.

Result and secured Rank of test will be displayed after completion of the every test on the screen.

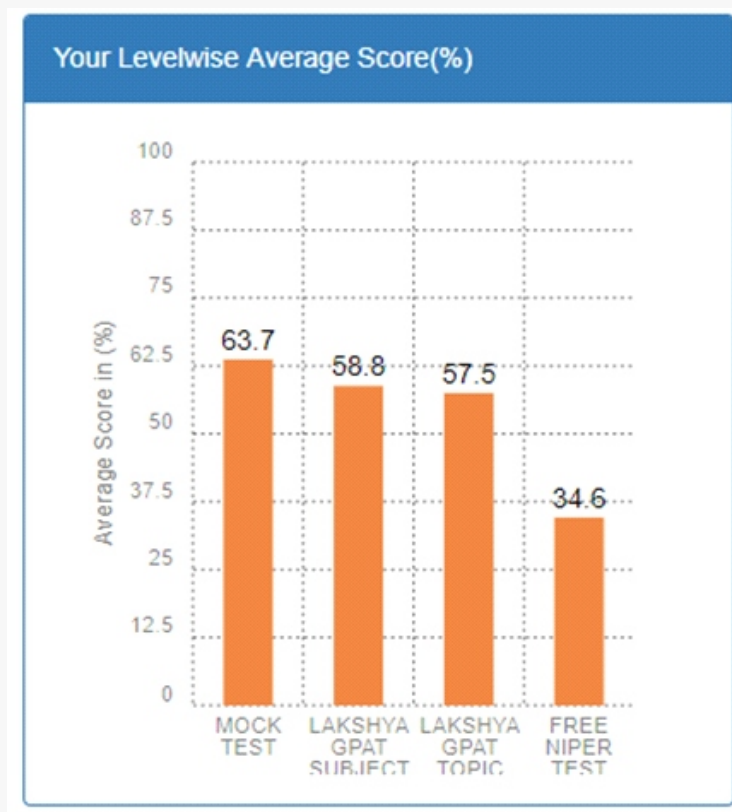
I you have any query or confusion after TEST SERIES than you can ask with us BY *SENDING A MAIL TO US* on gdcgpat037@gmail.com



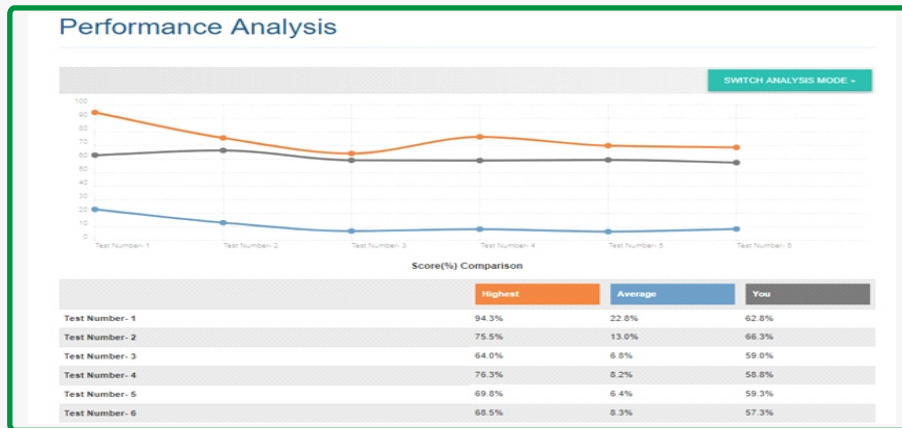
PERFORMANCE ANALYSIS OF STUDENT WITH TOPPER'S

Students can have difficulty and topic wise analysis after finishing the exam. It gives clear picture about the strong and weak topics and student can compare their result with toppers.

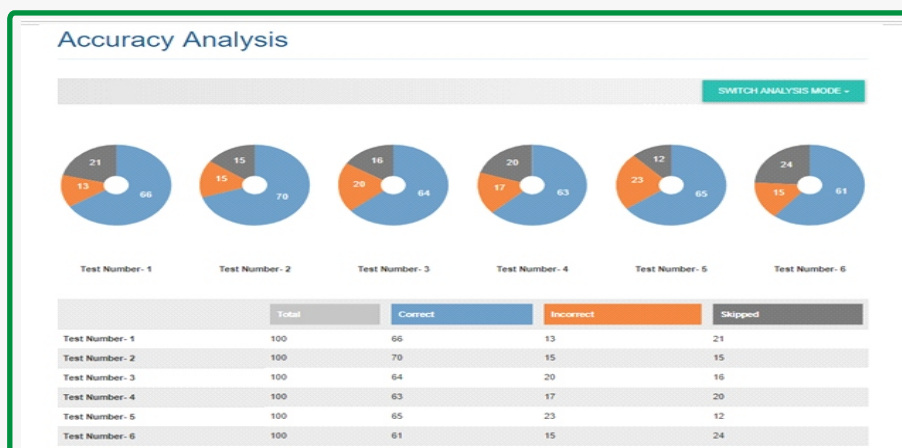
1. Level wise Individual Average Score



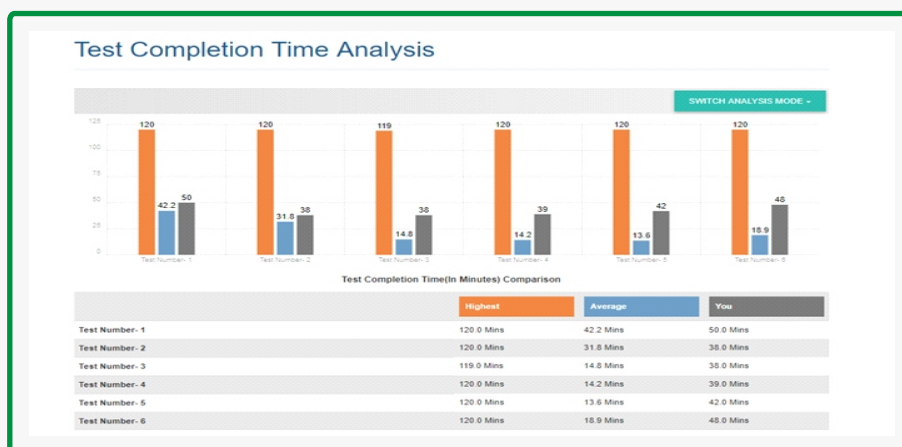
2. Performance analysis of student



3. Accuracy Analysis



4. Test Completion Time analysis



LAKSHYA NIPER - 2021

GPAT All India Online Test Series

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The test series is designed for the preparation of NIPER-2021 and promises to deliver its finest in the exams.

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30 TOPIC WISE TEST

07 SUBJECT WISE TEST

10 MINOR TEST

05 MAJOR TEST

18 PREVIOUS YEAR PAPER (2003-2020)



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TEST SERIES SYLLABUS

Gpat Discussion Centre All India Test Series- 2021

Test Type	Test Description	Topic	NO. of Question
TOPIC WISE TEST			
TOPIC WISE TEST	Test Number-1	General Pharmacology	100
	Test Number-2	Drugs Acting on ANS, CNS and PNS	100
	Test Number-3	Hematology, GIT & Respiratory System	100
	Test Number-4	Cardiovascular System	100
	Test Number-5	Autocoids, Diuretics	100
	Test Number-6	Endocrinology	100
	Test Number-7	Chemotherapy	100
	Test Number-8	Solution, Suspension, Emulsion, Semisolid, Suppository	100
	Test Number-9	Tablet, Capsules, Microencapsulation, Aerosol, Ophthalmic, Parenteral	100
	Test Number-10	Cosmetic Technology	100
	Test Number-11	Pharmaceutical Engineering	100
	Test Number-12	Dispensing Pharmacy	100
	Test Number-13	Physical Pharmacy	100
	Test Number-14	Biopharmaceutics and Pharmacokinetics	100
	Test Number-15	Organic Chemistry	100
	Test Number-16	Organic Chemistry	100
	Test Number-17	Volatile oils and Lipids	100
	Test Number-18	Alkaloids	100
	Test Number-19	Glycoside	100
	Test Number-20	Carbohydrate, Resin, Tannin, Fibers, Drugs of mineral origin, Traditional Drugs, Marine pharmacognosy	100
	Test Number-21	All Spectroscopy Methods	100
	Test Number-22	Chromatography Techniques	100
	Test Number-23	Fundamentals of volumetric analysis, Oxidation Reduction Titrations, Precipitation Titrations, Gravimetric Analysis, Non-aqueous titrations, Potentiometry, Conductometry, Coulometry, Polarography, Amperometry	100
	Test Number-24	Physical chemistry, Inorganic Chemistry	100

	Test Number-25	Chemistry of Principles of Drug Design, ANS, CVS, Autocoids	100
	Test Number-26	Chemistry of Diuretics, Respiratory System, Endocrinology	100
	Test Number-27	Chemistry of Drugs Acting on PNS & CNS, Hematology & GIT	100
	Test Number-28	Chemistry of Chemotherapy	100
	Test Number-29	The concept of free energy, Enzymes, Carbohydrate Metabolism, Proteins, Lipids, Nucleic acid, Vitamins	100
	Test Number-30	Importance of microbiology in pharmacy, Identification of Microbes, Sterilization, Vaccines, Sera, Immunology	100

SUBJECT WISE TEST

SUBJECT WISE TEST	Test Number-31	Pharmacology	100
	Test Number-32	Pharmaceutics	100
	Test Number-33	Medicinal Chemistry	100
	Test Number-34	Microbiology and Biotechnology	100
	Test Number-35	Pharmacognosy	100
	Test Number-36	Pharmaceutical Analysis	100
	Test Number-37	Biochemistry	100

MINOR TEST

MINOR TEST	Test Number-38	Complete Syllabus	100
	Test Number-39	Complete Syllabus	100
	Test Number-40	Complete Syllabus	100
	Test Number-41	Complete Syllabus	100
	Test Number-42	Complete Syllabus	100
	Test Number-43	Complete Syllabus	100
	Test Number-44	Complete Syllabus	100
	Test Number-45	Complete Syllabus	100
	Test Number-46	Complete Syllabus	100
	Test Number-47	Complete Syllabus	100

MAJOR TEST

MAJOR TEST	Test Number-48	Complete Syllabus	200
	Test Number-49	Complete Syllabus	200
	Test Number-50	Complete Syllabus	200
	Test Number-51	Complete Syllabus	200
	Test Number-52	Complete Syllabus	200

PREVIOUS YEAR PAPER

PREVIOUS YEAR PAPER	Test Number-53	NIPER-2003	100
	Test Number-54	NIPER-2004	100
	Test Number-55	NIPER-2005	100
	Test Number-56	NIPER-2006	100
	Test Number-57	NIPER-2007	100
	Test Number-58	NIPER-2008	100
	Test Number-59	NIPER-2009	100
	Test Number-60	NIPER-2010	200
	Test Number-61	NIPER-2011	200
	Test Number-62	NIPER-2012	100
	Test Number-63	NIPER-2013	100
	Test Number-64	NIPER-2014	100
	Test Number-65	NIPER-2015	150
	Test Number-66	NIPER-2016	100
	Test Number-67	NIPER-2017	100
	Test Number-68	NIPER-2018	100
	Test Number-69	NIPER-2019	100
	Test Number-70	NIPER-2020	100

PHARMA ASPIRANTS 1st CHOICE



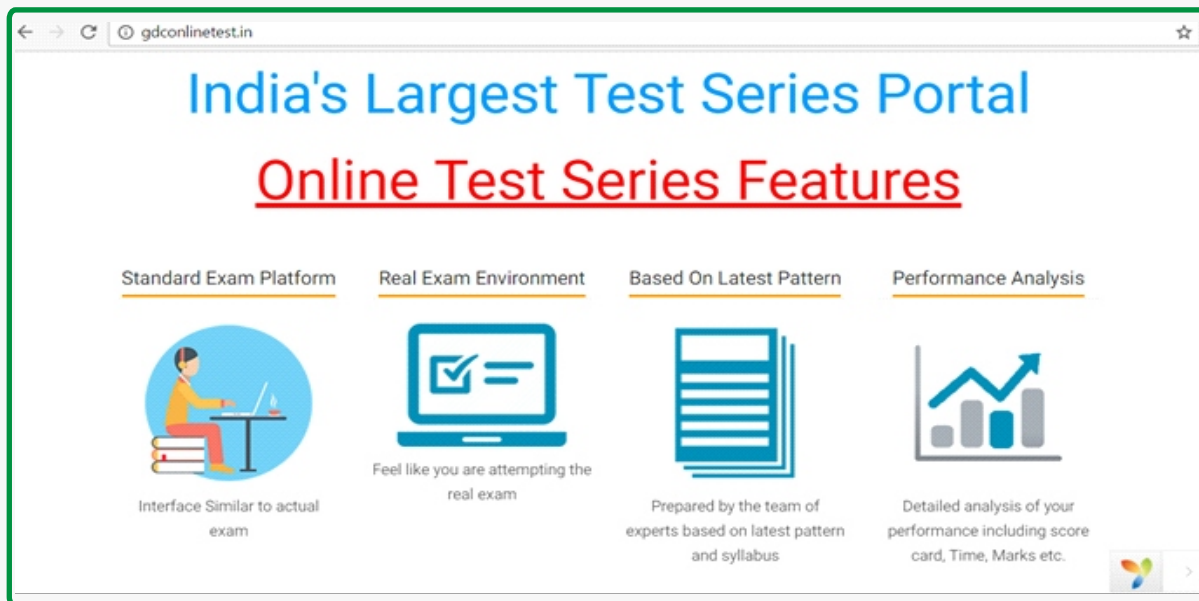
TYPE **"GDC CLASSES"** IN
PLAY STORE TO DOWNLOAD
THE APP



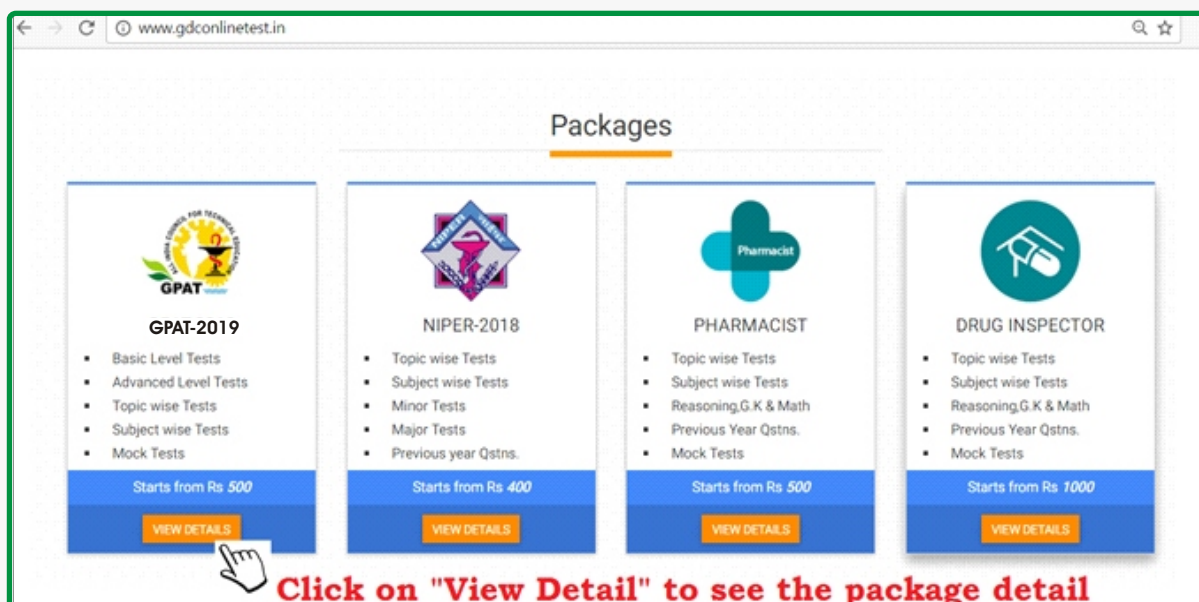

GPAT DISCUSSION CENTER
WWW.GDCONLINETEST.IN

GENERAL INSTRUCTION TO JOIN THE TEST

1. Login to website www.gdconlinetest.in

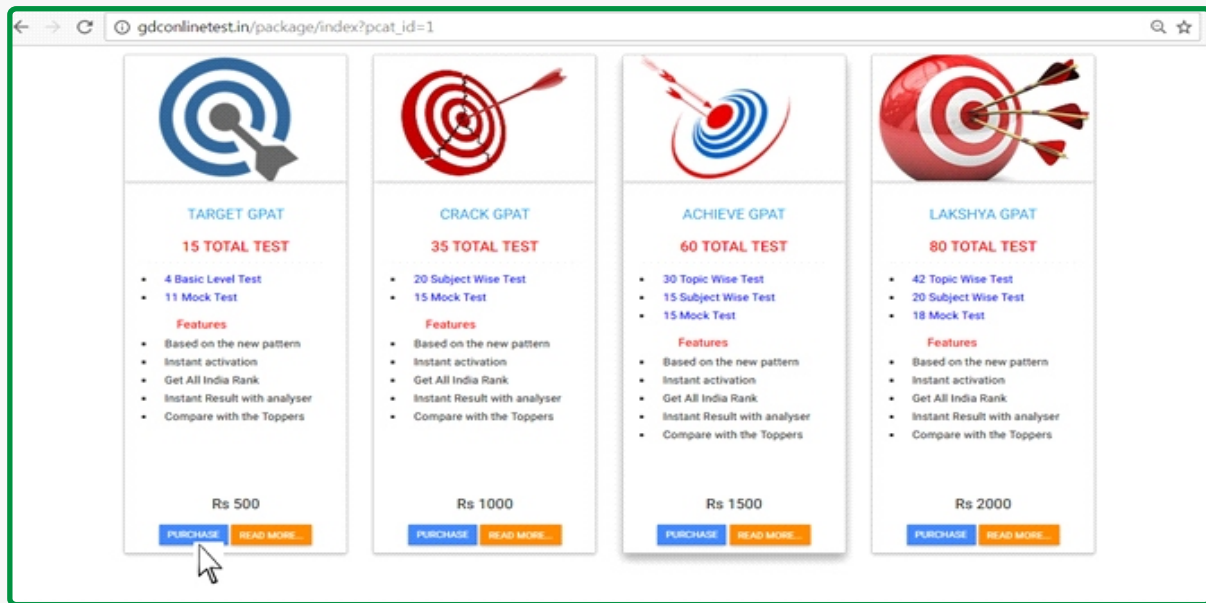


2. Choose the Exam you want to subscribe



Click on "View Detail" to see the package detail

3. Select the package according to your suitability and click on “Purchase” button to further process; u can see the Test detail by click on “Read More” button.



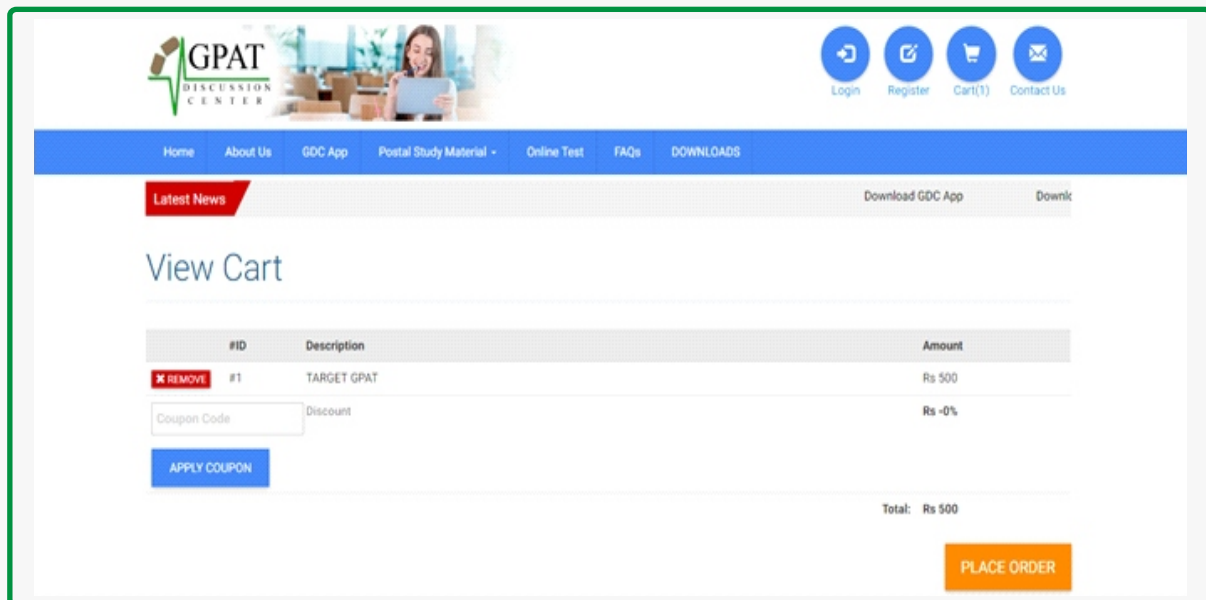
The screenshot shows a web page with four package options, each represented by a target icon and a list of features. A mouse cursor is pointing at the 'PURCHASE' button for the 'TARGET GPAT' package.

Package Name	Total Tests	Price
TARGET GPAT	15 TOTAL TEST	Rs 500
CRACK GPAT	35 TOTAL TEST	Rs 1000
ACHIEVE GPAT	60 TOTAL TEST	Rs 1500
LAKSHYA GPAT	80 TOTAL TEST	Rs 2000

Features for all packages:

- Based on the new pattern
- Instant activation
- Get All India Rank
- Instant Result with analyser
- Compare with the Toppers

4. Place Order, If you have any “**COUPON CODE**” then place it for discount otherwise place order without putting Coupon Code for proceed.



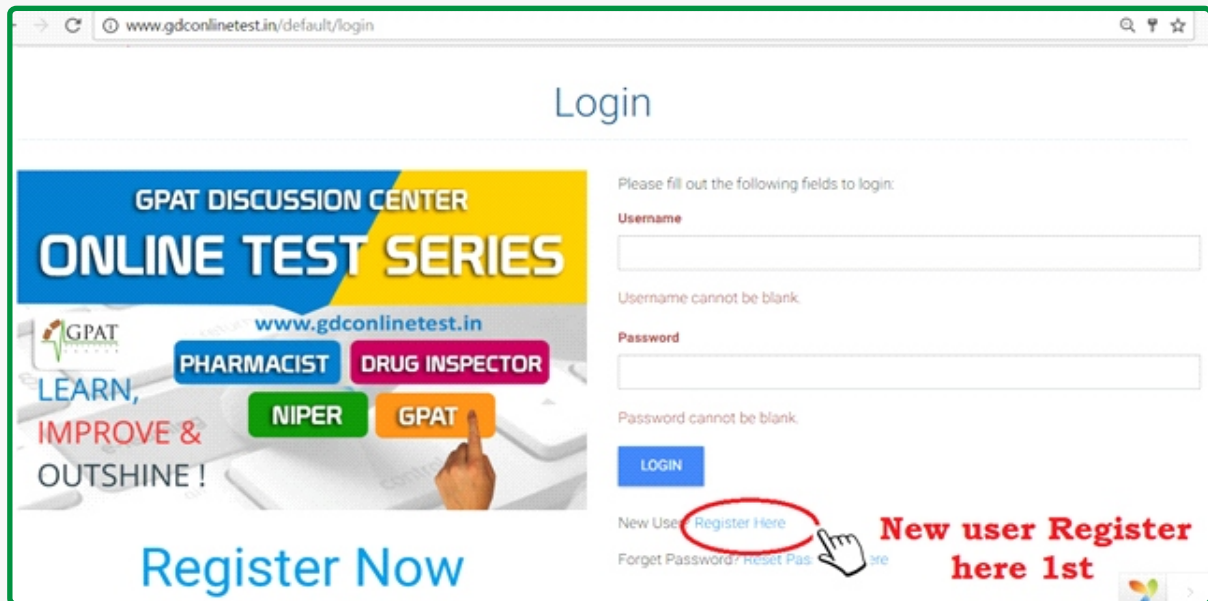
The screenshot shows the 'View Cart' page on the GPAT Discussion Center website. The cart contains one item: 'TARGET GPAT' for Rs 500. There is a coupon code field and an 'APPLY COUPON' button. The total amount is Rs 500, and a 'PLACE ORDER' button is visible at the bottom right.

#ID	Description	Amount
X REMOVE #1	TARGET GPAT	Rs 500
Coupon Code		Discount
		Rs -0%

Total: Rs 500

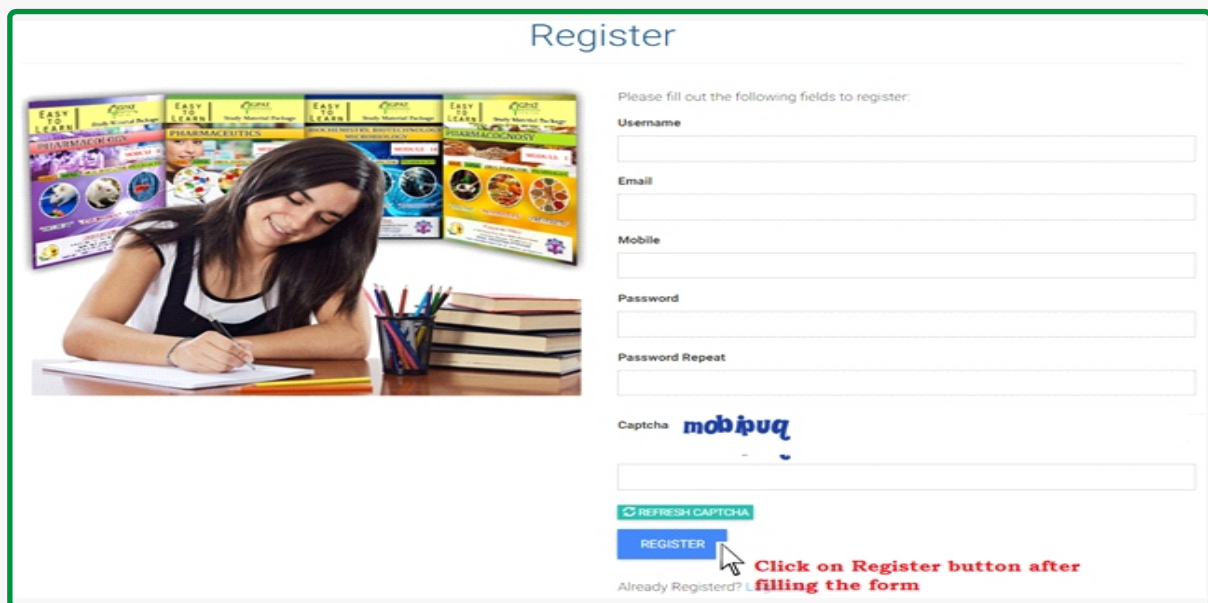
PLACE ORDER

5. Register Now : New users click on the button “Register Here”



The screenshot shows the login page of the GPAT Discussion Center. On the left, there is a banner for the 'ONLINE TEST SERIES' with buttons for 'PHARMACIST', 'DRUG INSPECTOR', 'NIPER', and 'GPAT'. A hand is shown clicking the 'GPAT' button. Below the banner is a 'Register Now' button. On the right, there is a login form with fields for 'Username' and 'Password'. Below the form, there is a 'LOGIN' button and a link to 'Register Here' which is circled in red. A hand cursor is pointing at the 'Register Here' link. To the right of the cursor, there is a red text overlay that says 'New user Register here 1st'.

6. Register: Fill out the following fields to register



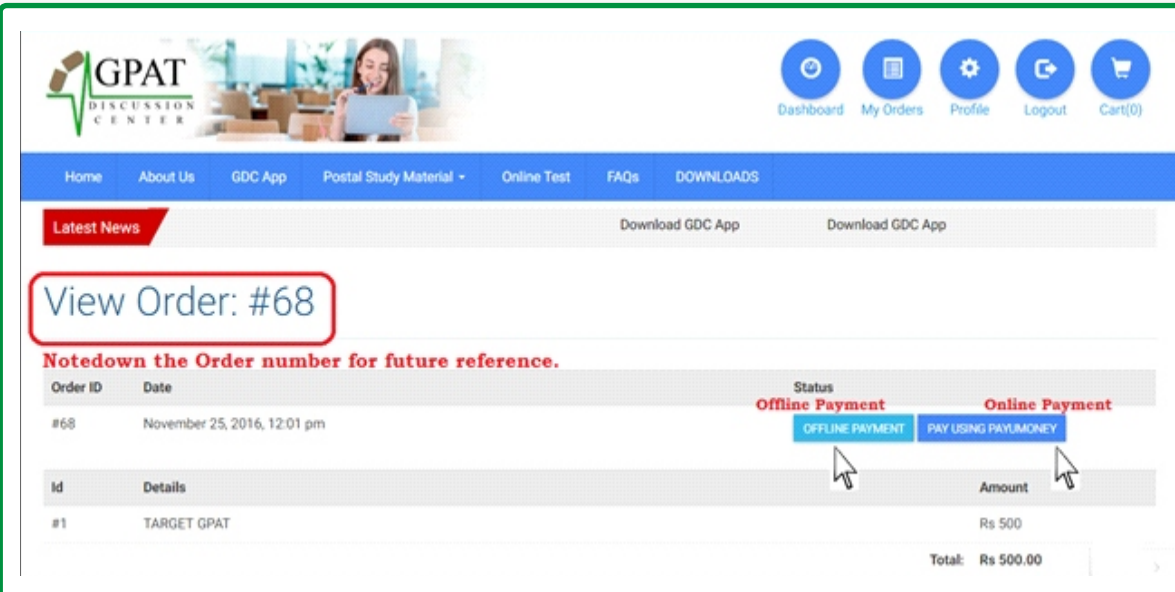
The screenshot shows the register page of the GPAT Discussion Center. On the left, there is a banner for the 'ONLINE TEST SERIES' with buttons for 'PHARMACIST', 'DRUG INSPECTOR', 'NIPER', and 'GPAT'. A hand is shown clicking the 'GPAT' button. Below the banner is a 'Register Now' button. On the right, there is a register form with fields for 'Username', 'Email', 'Mobile', 'Password', 'Password Repeat', and 'Captcha'. Below the form, there is a 'REGISTER' button and a link to 'Already Registered? Login Here'. A hand cursor is pointing at the 'REGISTER' button. To the right of the cursor, there is a red text overlay that says 'Click on Register button after filling the form'.

7. Now your account has been successfully created. Now place order and make payment to start the Test.

View Cart

#ID	Description	Amount
X REMOVE #1	TARGET GPAT	Rs 500
<input type="text" value="Coupon Code"/>	Discount	Rs -0%
APPLY COUPON		
		Total: Rs 500
PLACE ORDER		

8. Two option for the payment is there one is offline payment and other one is online payment by Debit or Credit Card.



View Order: #68

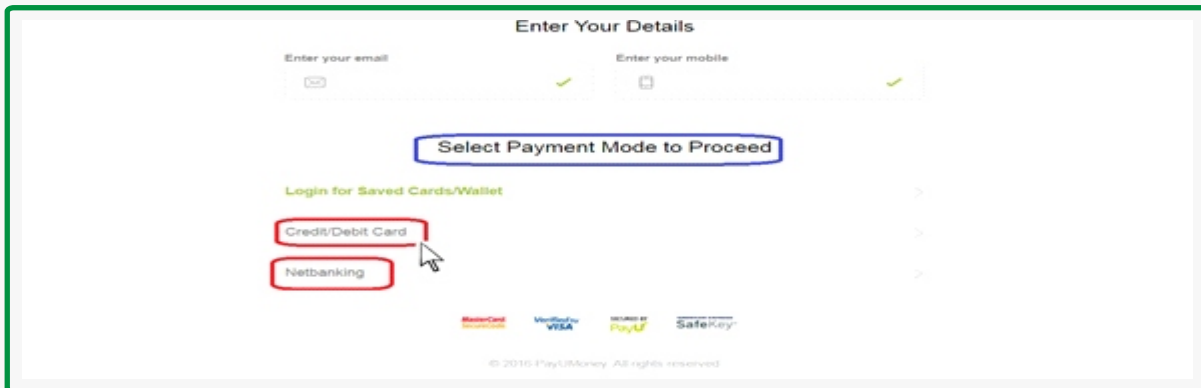
Notedown the Order number for future reference.

Order ID	Date	Status
#68	November 25, 2016, 12:01 pm	Offline Payment Online Payment

Id	Details	Amount
#1	TARGET GPAT	Rs 500
		Total: Rs 500.00

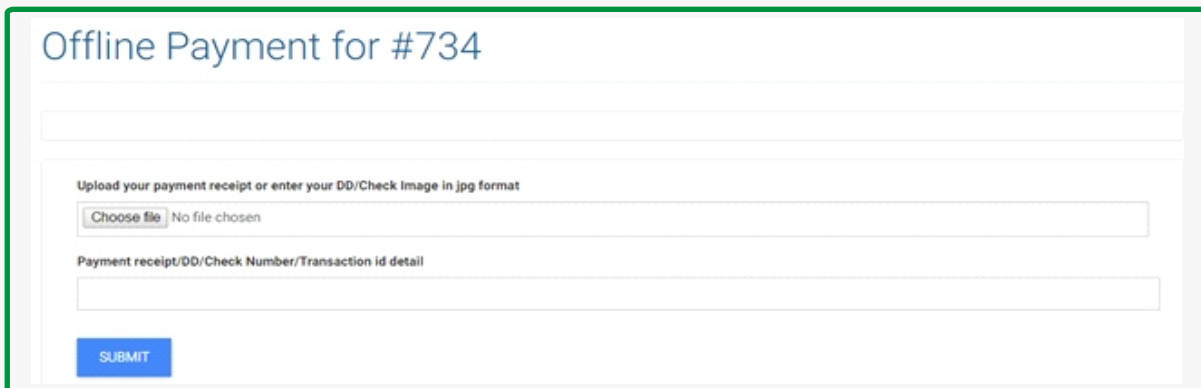
9. Enter your Detail for online Payment

Click on Debit/Credit Card or Netbanking for payment of Course fee.

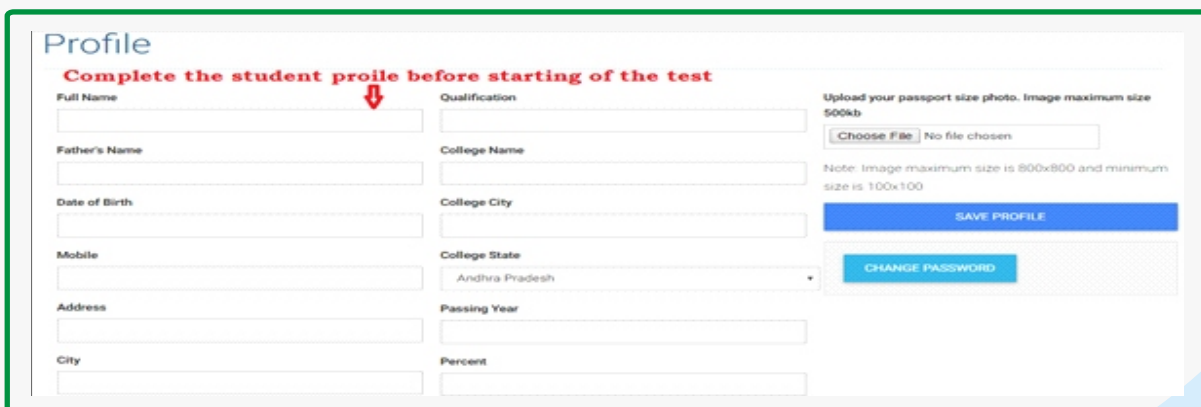


10. In case of Offline Payment, Upload the Payment receipt Payment receipt detail

After submitting, send a request mail gdcgpat037@gmail.com for the approval of your account.



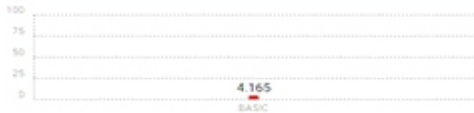
11. After successful approval now time to login to attempt the test. Login you account by your approved user name and password



12. Attempt Test

Dashboard

Charts



4.165
BASIC

Level and Tests

GPAT-2019

BASIC

MOCK TEST

13. Read all instruction before start of the test

Test Number- 5

Test Name	Duration	Total Marks	Questions
Test Number- 5	180 Mins	500	125

Description

Welcome to the GDC Online Test series Portal

Read the following Description carefully

- This online test containing 125 Questions.
- Marking Scheme)
 - For each correct answer, you will be awarded 4(four) marks
 - For each wrong answer, you will be deducted 1(one) marks
 - For each un-attempted question, you will be awarded 0(Zero) marks.
- You are requested to check internet and electric connection before starting the exam.

Instructions

These instructions should be followed by candidates while appearing in the Online Mode examination. This will familiarise candidates with the pattern / procedure of the examination.

General Instructions:

Please read the instructions carefully:-

- The duration of the examination is 180 minutes.
- The clock will be set at the server. The countdown timer in the top right corner of screen will display the remaining time available for you to complete the examination. When the timer reaches zero examination will end by itself. You will not be required to end or submit your examination.

FREQUENTLY ASKED QUESTION(FAQ)

Ques. Why should I Purchase GDC Online Test

Ans.

1. Feel the Real Exam Environment through our test series.
Our all test containing everything which you are expected to face in exam
Exact Exam Pattern based questions
Test Series has been designed by the highly experience subject experts.
2. Review and enhance your performance
Check Your Score Card and rank Status
Performance Analysis
Detailed Solution of important question, Mail and Phone Support 24 X 7

Ques. Is there any free demo test

Ans. Yes, you can attempt one free demo test after that you decide to buy the online test.

Ques. How can I join Online Test Series?

Ans: You need to perform the following steps to join the GDC Online Test Series:
Select the Package you want to purchase, then register into GDC Test Series Portal (for new user), fill the complete form and proceed for the Online Payment.

- (a) then place the order by selecting any one payment option given below -
1. Online Payment- By debit card, credit card or by net banking
 2. By direct transfer the amount in our GPAT Discussion Center Account.

Bank Name : ICICI Bank

Name of the Account holder : Gpat Discussion Center Pvt. Ltd

Account Type : Current

Account Number : 734905500104

IFSC Code : ICIC0000282

- (b) Fill the details and submit it.
- (c) You will get a account activation mail before the online payment click on that mail activate it.
- (d) Click on Purchase Now button of selected exam and make payment.
- (e) In case of direct deposition in our account candidate should scan the counter slip of cash deposited in the ICICI Bank & attach it in offline payment option. You will get information regarding your pack activation by mail or SMS within 24 hours.
- (f) After Login you can edit your Profile, Change your Password any time.
- (g) Now go to Online Test Series, and start your Online Test.

Ques. How can I make payment to buy any study packages

Ans: You can pay via debit card, credit card, net banking. If you have not any of above service then you can deposit directly in our bank account. For more details call us : **9770765680, 8602227444.**

Ques. After purchasing the package, when my package will be activated?

Ans: After successful payment done online, then study package will be activated immediately. Now click on the packages and start your practice.

Ques. My Transaction failed but money deducted from my account. What should i do

Ans: Nothing to worry, Just send us a email at gdcgpat037@gmail.com with the proper detail of your transaction, and we will do the best solution for you. Your money is safe.

Ques. If I have paid two times or money deducted two times for a single product, now what should i do?

Ans: Don't worry ! Your one of the transaction amount gets refunded. Incase this does not happen, you can contact us at **9770765680, 8602227444** or mail us at gdcgpat037@gmail.com. we will track your payment to get it refunded.

Ques. Can I download the test papers?

Ans: Test papers cannot be downloaded, but it is possible to refer the test papers/solutions whenever you like after login in GDC portal.

Ques. Will there be any fixed time schedule within which I have to take the exam?

Ans: There is no fixed time to appear for tests. Tests will be uploaded as per the given time table of institute and tests will be available up to Jan, 2021. You can appear for the tests as per your convenience within this time period.

Ques. Will I get the solutions to the questions asked in the online test?

Ans: Yes you will get answer of the every question after completion of the test.

Ques. What are the types of questions asked in NIPER-2021 ?

Ans: Multiple Choice Questions will be asked in NIPER-2021, and these types of questions are also included in NIPER -2021 Online Test Series.

Ques. What is the last date to enroll for Online Test Series?

Ans: U can enrol for the test any time.

Ques. Is there is any test center or can I give the test from anywhere?

Ans: No, test centers are not available for online test. You can appear for tests anytime, anywhere where internet facility is available. For classroom test series visit our website www.gdc4gpat.com

Ques. What if I accidentally close the exam window?

Ans: Your test will be resumed and you can start from the point where you had stopped.

Ques. Can I restart my test?

Ans: Yes, resume facility is available.

Ques. How can I get my rank?

Ans: All India Rank will be generated based on your performance in that particular test. By this a candidate can compare his performance with topper.

Ques. How many times a candidate can appear for the particular test?

Ans: A student can appear in any particular test only once.

Ques. Is there any fee refund process?

Ans: No, the fee is non refundable.

Ques. Do I need special Software to access tests?

Ans: No, you do not require any other software. You require system (Desktop, Laptop, Mobile) with proper internet connectivity.

Ques. How candidate's All India Rank is generated?

Ans: Candidate's Rank will be generated on a regular basis. It will be generated test-wise and the same will be updated automatically after submission of every test paper. Example :During the first month if 1000 students have appeared in paper-1, then candidate's rank will be generated among 1000 students. During the second month if 5000 candidates have appeared in paper-1, then candidate's rank will be generated among 5000 students.

Ques. Is it possible to refer the questions/solutions of test paper-1 which I had appeared 2 months back?

Ans: Questions along with the solutions will be available up to the last day. Whenever you want to refer, you can log in and refer the questions/solutions of the test which you had appeared.

Ques. Can I pay the fee through NET banking?

Ans: Yes, we offer NET banking facility by which you directly transfer the amount in our Account.

Bank Name : ICICI Bank

Name of the Account holder : Gpat Discussion Center Pvt. Ltd

Account Type : Current

Account Number : 734905500104

IFSC Code : ICIC0000282

Ques. The test is taking too much time to upload and also my system is not working properly?

Ans: We have deployed the best tested server to provide high speed and connectivity, kindly check your system and internet for speed/connectivity related issues.

Ques. I forgot my password?

Ans: Enter into login page and click on forgot password; automatically password will be mailed to your registered E-mail ID.

Ques. Can I cancel or change my purchased Products or Services such as Online Test Series and in the case of cancellation will you refund my payment?

Ans: We do not provide any option for cancellation or change in your purchased Products or Services. Once a Product or Service has been purchased by you, we can not provide any refund. We suggest that you should first go through the Free Trial Tests and free to use the contents, Products or Services before making payment.

GPAT Discussion Center

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Brahmapur

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Join Our WhatsApp group:- 7974697768

For detail contact: 8602227444, 9770765680, 7974697768

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Your feedback: We value your opinion and strive to make GDC a better channel, Please write in with your comments to gdcgpat037@gmail.com

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(Separate Group For Boys and Girls)

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