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TACKLING NEET - UG ...

some common facts and orders like frequency order for electromagnetic radiation, order of penetrating power of different rays etc. The perfect strategy for solving these type of questions is to read the summary of each chapter given in your NCERT textbooks and it will serve the purpose. The rest 20-30% of the questions require deep understanding and knowledge of the concepts involved as they cannot be always solved through formulae.

Chapterwise Weightage of Physics Paper

With my experience of guiding and helping students for the NEET examination and myself being an aspirant earlier, here I am providing the trend of the physics paper as how many questions are generally asked on an average from each chapter of Physics. The data which I am providing is solely based on my experience and analysis of the previous year papers and the latest trends observed. You can expect this same trend in your paper too.

Chapter/Topic	Number of Questions Expected
The Physical World.....	0-1
Unit, Dimensions and Errors.....	1
Measuring Instruments.....	1
Kinematics.....	1-2
Circular Motion.....	1
Newton's Laws of Motion.....	1-2
Friction.....	0-1
Work, Power and Energy.....	2
Rotational Mechanics.....	3
Properties of Solids.....	1
Fluids.....	1-2
Thermal Physics.....	1-2
Thermodynamics.....	2
Simple Harmonic Motion.....	2
Waves.....	1-2
Gravitation.....	2
Electrostatics.....	2-3
Current Electricity.....	3
Magnetism.....	3-4
Electromagnetic Radiation.....	1-2
Alternating Current.....	2
Electromagnetic Waves.....	1
Ray Optics.....	3
Wave Optics.....	2
Atoms.....	2
Photoelectric Effect.....	1
Nuclei.....	2
Semiconductor Devices.....	3

NOTE: The chapter Communication Systems is not included in the NEET syllabus and till now no question has

been asked in the previous years. It is only a part of the JEE syllabus and CBSE boards examination.

High Yielding Topics in NEET Physics Paper

The high yielding topics in NEET physics include the Rotational Mechanics, Current Electricity, Semiconductor devices and Ray Optics. These chapters/ topics together combined can yield a total of 12-13 questions so these chapters cannot be ignored at all however tough they may seem. Apart from this there are many chapter and topics which are easy and small and don't require much of your time and efforts and can easily fetch you one to two questions and hence these topics must be prepared after the above mentioned bulky chapters. These topics include: Unit and Dimensions, Errors, Measuring Instruments, Kinematics, Mechanical Properties of Solids, SHM (Simple Harmonic Motion), EM waves (Electromagnetic Waves) and Wave Optics.

One thing you all must have noticed that I have not mentioned the importance of MODERN PHYSICS till now. For a fact if you are a serious NEET aspirant then its not worth mentioning. Every NEET aspirant must have heard about this topic and they know that it is the easiest of all the topics and high scoring for Physics section. No serious candidate can even dream of getting selected without mastering this topic; it is a must do topic for NEET.

The Modern Physics unit consists of three chapters namely: Photoelectric Effect, Atoms and Nuclei. It will yield you a total of 5-6 questions which you cannot bear to let go of. The best thing about these chapters is that they have a very similar relation of concepts and formulae which you have already learned in you Chemistry sections of Structure of an Atom and Chemical Kinetics, so preparing these chapters is a cakewalk for you all.

Time Management during Solving the Physics Section

The common problem which students face while solving the Physics paper is that they fell short of time and end of leaving many questions unattempted which they could have easily solved otherwise.

The best way to deal with this problem is to solve your entire paper in 3-4 layers. Whenever you are about to start your physics portion first have a quick glance over all the questions in your paper in 2-3 minutes and analyse as to which question

is from which topic and how much time you are going to devote to each question. Mark those questions which are very easy and can be solved within few seconds. Then you should start solving your paper with those easy questions and try to gain maximum number of questions which are easy in the first 25-30 minutes of your time. Then go for the moderate level questions and finally proceed to the tough and lengthy questions. In this entire process whenever you are unable to solve any question in the first attempt, mark and leave that question for reviewing later. This is your first layer of solving the paper, make sure that in this first layer you have solved nearly 50-60% of the questions. In the second layer go for those easy and moderate level questions which you were unable to solve in this first attempt and give them a try again. If you are unable to solve some of these questions in the second attempt also then accept the fact that you will not be able to solve them further. In the third layer, just make sure that you have not skipped any of the questions that were easy; since you are not going for questions serially, there are chances that you might have missed, solve those questions. Now if the time allows, then you must go for the fourth layer in which you should try out your hands on the questions which you think are tough and lengthy.

I call this technique of solving the paper as LAYER TECHNIQUE and it has proved really useful to many of the students previously. One thing worth mentioning is that this technique is only effective if you have already practiced it well in the mock test papers and you are already aware of your strengths and weaknesses.

So if you feel that this technique can be useful to you then you must practice it many folds before appearing for the main examination.

Some Important Tips

- Physics is a subject which requires a lot of practice and it is not a subject which you can mug up and succeed. So as they say for Mathematics that, THE ONLY WAY TO LEARN MATHEMATICS, IS TO DO MATHEMATICS; the same applies for Physics also.
- Make a list of all the important formulae and summary of all the chapters of physics at one place. Since there are so many formulae, assembling all these at one place makes it easy to revise. Make sure to take a glance of these notes just before going to bed.

- While solving the numericals for practice, keep your formulae notes with you and analyse whether you could have solved the same problem more easily using some other concept or formulae.
- Make sure to focus on those formulae which are involved more often and which ones are being used only in some special cases. This will help you understand as to which topics are yielding you more questions.
- Your major focus should be on the previous year papers, as some of these questions can appear directly in your paper.
- While reading a problem sum try to understand the basic concepts involved and analyse how much you are aware of the concepts and which formula is appropriate for the given situation.

Acing Up Your Preparation

Since Physics is a very vast and versatile subject you cannot have command over all the topics. Hence it becomes necessary that you know as to how to approach any question irrespective of the fact that you are unaware of all the concepts involved fully. The core reason that you must remember all the formulae is that you should be able to solve the problem if one of the variables is missing from the question and deduce the answer.

The only way to ace up your preparation in Physics is by practice. Try to develop speed and accuracy in your solutions. First focus on developing accuracy, and then speed at which you are solving any problem sum.

At last, I feel that the information provided by me must have helped you all in some extent to overcome your fear of Physics.

As you will learn the subject you will surely realise that this subject is the language of the universe and any and every phenomenon happening around you are governed by the laws of Physics. Then you will start loving this subject.

Be confident, have faith and practice, practice, practice!

All the best to all the future doctors of this country.

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Views expressed are personal.



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Applications are invited from eligible candidates for appointment to the following posts in the G B Pant Cantonment General Hospital, Jammu Cantt.

Name of the post and pay scale	Number of vacancies					Age as on 15.07.2022	Educational qualification
	UR	SC	ST	OBC	Total no. of posts		
General Duty Medical Officer (GDMO) Pay scale- 52700-166700 (Level 9)	-	-	-	01	1	23- 35 years	(i) MBBS (ii) Registration with Medical Council of India
Junior Pharmacist 25500-81100 (Level -4)	01	-	-	-	01	21 - 30 years	10+2 with diploma in Medical Assistant/ Pharmacist trg. from recognized institute.



2. AGE RELAXATION

(i) Upper age limit is relaxable by 05 years for SC & ST, 03 years for OBC and 10 years for physically handicapped candidates.

(ii) Age relaxation for persons will be governed as per the orders issued by the Government from time to time.

3. Last date for receipt of application is 15.07.2022.

4. Eligible candidates will have to appear in written test/ interview for which date and time will be intimated to the candidates separately. No TA/DA will be paid .

5. The application should be in the prescribed proforma given below and sent in an envelope superscribed as " APPLICATION FOR THE POST OF "GENERAL DUTY MEDICAL OFFICER" OR "JUNIOR PHARMACIST".

6. The application form can be downloaded from the website Jammu.cantt.gov.in.