

**SOLVED
PAPER**

**NEET (UG)
05th May 2024**

**Code
T4**

Total Time Duration: 200 Minutes

Maximum Marks: 720

Important Instructions

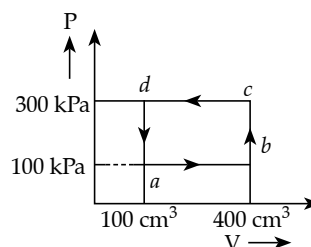
- The test is of 3 hours 20 minutes duration and test booklet contains 200 multiple choice questions (four options with a single correct answer) from **Physics, Chemistry and Biology (Botany and Zoology)**. 50 questions in each subject are divided into two **Section (A and B)** as per details given below:
 - Section A** shall consist of 35 (**Thirty-five**) questions in each subject (Question Nos- 1 to 35, 51 to 85, 101 to 135 and 151 to 185). All questions are compulsory.
 - Section B** shall consist of 15 (**Fifteen**) questions in each subject (Question Nos- 36 to 50, 86 to 100, 136 to 150 and 80 to 200). In Section B, a candidate needs to **attempt any 10 (Ten)** questions out of 15 (**Fifteen**) in each subject.

Candidates are advised to read all 15 questions in each subject of Section B before they start attempting the question paper. In the event of a candidate attempting more than ten questions, the first ten questions answered by the candidate shall be evaluated.
- Each question carries 4 marks. For each correct response, the candidate will get 4 marks. For each incorrect response, one mark will be deducted from the total scores. **The maximum marks are 720.**
- Use **blue/black ball point pen only** for writing particulars on this page/markings responses on answer Sheet.
- Use of electronic/manual calculator is prohibited.
- No part of the test booklet and answer sheet shall be detached under any circumstances.**
- The candidates will write the correct test booklet code as given in the test booklet/answer sheet in the attendance sheet.
- Compensatory time of one hour five minutes will be provided for the examination of three hours and 20 minutes duration, whether such candidate (having a physical limitation to write) uses the facility of scribe or not.

PHYSICS

Section A

- Q. 1.** The moment of inertia of a thin rod about an axis passing through its mid point and perpendicular to the rod is 2400 g cm^2 . The length of the 400 g rod is nearly:
(1) 20.7 cm (2) 72.0 cm
(3) 8.5 cm (4) 17.5 cm
- Q. 2.** A bob is whirled in a horizontal plane by means of a string with an initial speed of ω rpm. The tension in the string is T . If speed becomes 2ω while keeping the same radius, the tension in the string becomes:
(1) $\frac{T}{4}$ (2) $\sqrt{2}T$ (3) T (4) $4T$
- Q. 3.** A thermodynamic system is taken through the cycle $abcd$. The work done by the gas along the path bc is:



- (1) -90 J (2) -60 J (3) Zero (4) 30 J
- Q. 4.** ${}_{82}^{290}\text{X} \xrightarrow{\alpha} \text{Y} \xrightarrow{e^+} \text{Z} \xrightarrow{\beta^-} \text{P} \xrightarrow{e^-} \text{Q}$
In the nuclear emission stated above, the mass number and atomic number of the product Q respectively, are:
(1) 288, 82 (2) 286, 81 (3) 280, 81 (4) 286, 80
- Q. 5.** An unpolarised light beam strikes a glass surface at Brewster's angle. Then
(1) both the reflected and refracted light will be completely polarised

PURCHASE

COMPLETE SOLVED 2024 PAPERS

WITH DETAILED SOLUTIONS