

ASPIRANTS'

IIT-JEE/NEET FOUNDATION

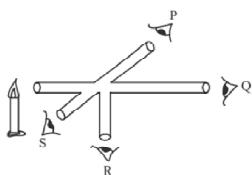
CLASS: VI
MAX. MARKS: 50

IIT-JEE/NEET MODEL TEST PAPER

DATE:
TIME: 60 MINUTES

SECTION-I : (S.C.A.T) - (7 × 3 = 21 M)

- Which of the following are common uses of magnets?
 - Generating electricity
 - Magnetic resonance imaging (MRI)
 - Storing data in computer hard drives
 - All of the above
- A device used for measuring potential difference between two points in a circuit is called ____.
 - Galvanometer
 - Inductor
 - Ammeter
 - Voltmeter
- Which of the following is not the name of a physical quantity?
 - Time
 - Speed
 - Force
 - Kilogram
- Look at the following setup. Four students P, Q, R and S want to see the flame of the candle through pipes. Identify which student can see the flame through the pipe?



- P
- Q
- R
- S

- A microscope is based on the principle of:
 - Mechanics
 - Optics
 - Magnetism
 - Electromagnetic waves
- Electrons are
 - Negatively charged particles
 - Positively charged particles
 - Neutral particles
 - Both (A) & (B)
- Science which deals with the study of composition of matter is called :
 - Physics
 - Chemistry
 - Biology
 - Geography

SECTION-II : (M.C.A.T) - (3 × 4 = 12 M)

- Which of the factors effects the resistance of the wire?

- Length of the wire
- Cross sectional area of the wire
- Temperature of the wire
- Colour of the wire

- Which of the following are derived quantities?
 - Area
 - Velocity
 - Force
 - Mass
- Which of the following statements are false?
 - We can develop our five senses by training and practice.
 - A person good in memorising can be a good physicist.
 - Nuclear radiations are highly dangerous to living beings.
 - A hypothesis is worked out by studying the reference material.

SECTION-III : (C.T) - (3 × 3 = 9 M)

Luminous objects give off their own light, such as the sun and stars. Fireflies and glow-worms are luminous. Non-luminous objects do not give off light or glow.

- Sun is a
 - Non-luminous object
 - Luminous object
 - Transparent object
 - Opaque object
- Fireflies is
 - A glowingworms
 - Non-luminous
 - Both (A) & (B)
 - Neither (A) nor (B)
- Non-luminous objects
 - Have their own light
 - Are visible when they reflect the light fall on them from luminous object
 - Do not give own light
 - Both (B) and (C)

SECTION-IV : (M.M.T) - (4 × 2 = 8 M)

Column - I

- Radiotherapy
- Lightning
- Satellite
- Limited energy resource

Column - II

- Natural phenomenon
- Treatment of cancer
- Detecting Fractures
- Weather Forecasting
- Fossil fuels