

NEET UG 2027

Free Mock Test — Sample Paper 1

Subjects	Physics, Chemistry, Biology
Questions	15 (5 per subject)
Question Type	Multiple Choice (single correct)
Marking Scheme	+4 for correct, -1 for incorrect
Suggested Time	30 minutes

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Attempt all questions, then check your answers against the answer key on the last page.

Section A — Physics

Q1. A body is thrown vertically upward with a velocity of 20 m/s. Taking $g = 10 \text{ m/s}^2$, the maximum height reached is:

- (A) 10 m
- (B) 20 m
- (C) 30 m
- (D) 40 m

Q2. The SI unit of electric field intensity is:

- (A) Volt
- (B) Volt/metre
- (C) Newton/coulomb²
- (D) Coulomb/metre

Q3. The power of a lens is measured in:

- (A) Watt
- (B) Diopetre
- (C) Lux
- (D) Candela

Q4. The wavelength of visible light lies approximately in the range:

- (A) 1-10 nm
- (B) 400-700 nm
- (C) 1-10 mm
- (D) 700 nm-1 m

Q5. Two resistors of 4Ω and 6Ω are connected in parallel. Their equivalent resistance is:

- (A) 2.4Ω
- (B) 10Ω
- (C) 5Ω
- (D) 24Ω

Section B — Chemistry

Q6. The hybridisation of carbon in methane (CH_4) is:

- (A) sp
- (B) sp^2
- (C) sp^3
- (D) sp^3d

Q7. Which of the following is an example of a redox reaction?

- (A) $\text{NaOH} + \text{HCl} \rightarrow \text{NaCl} + \text{H}_2\text{O}$
- (B) $\text{Zn} + \text{CuSO}_4 \rightarrow \text{ZnSO}_4 + \text{Cu}$
- (C) $\text{AgNO}_3 + \text{NaCl} \rightarrow \text{AgCl} + \text{NaNO}_3$
- (D) $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Q8. The functional group $-\text{COOH}$ represents:

- (A) Aldehyde
- (B) Ketone
- (C) Carboxylic acid
- (D) Ester

Q9. Which of the following has the highest first ionisation enthalpy?

- (A) Sodium
- (B) Magnesium
- (C) Aluminium
- (D) Neon

Q10. The pH of a neutral solution at 25°C is:

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Section C — Biology

Q11. The powerhouse of the cell is:

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondria
- (D) Golgi apparatus

Q12. Photosynthesis in plants primarily occurs in the:

- (A) Roots
- (B) Chloroplast
- (C) Mitochondria
- (D) Nucleus

Q13. The basic structural and functional unit of the kidney is the:

- (A) Neuron
- (B) Nephron
- (C) Alveolus
- (D) Villus

Q14. DNA replication is described as:

- (A) Conservative
- (B) Semi-conservative
- (C) Dispersive
- (D) Random

Q15. Which blood group is known as the universal donor?

- (A) A
- (B) B
- (C) AB
- (D) O negative

Answer Key

Q.No	Answer	Q.No	Answer	Q.No	Answer
1	B	2	B	3	B
4	B	5	A	6	C
7	B	8	C	9	D
10	B	11	C	12	B
13	B	14	B	15	D

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