



NEET MODEL QUESTIONS

SET-3

Subject : PHYSICS

- Which one of the following statements is not correct?
 - The radius of curvature of a concave mirror is twice its focal length.
 - Power of a convex lens is negative and that of a concave lens is positive.
 - The radius of curvature of a plane mirror is infinity.
 - When a ray of light passes from an optically denser medium to an optically rarer medium, the angle of refraction is greater than the corresponding angle of incidence.
- The mass of a spaceship is 1000 kg. It is to be launched from the earth's surface out into free space. The value of g and R (Radius of earth) are 10 m/s^2 and 6400 km respectively. The required energy for this work will be
 - $6.4 \times 10^{11} \text{ J}$
 - $6.4 \times 10^8 \text{ J}$
 - $6.4 \times 10^9 \text{ J}$
 - $6.4 \times 10^{10} \text{ J}$
- For a n -type semiconductor, which of the following statements is true?
 - Electrons are the majority carriers and trivalent atoms are the dopants.
 - Holes are the majority carriers and trivalent atoms are the dopants.
 - Holes are the majority carriers and pentavalent atoms are the dopants.
 - Electrons are the majority carriers and pentavalent atoms are the dopants.

Subject : CHEMISTRY

- The correct IUPAC name of the following compound is

 - o*-nitrobenzoic acid
 - p*-nitrobenzaldehyde
 - p*-nitrobenzoic acid
 - m*-nitrobenzaldehyde
- In presence of peroxide, 1,3-butadiene is reacted with Acrylonitrile to give,
 - Buna-S
 - Buna-N
 - Neoprene
 - Polyisoprene
- What is a general electronic configuration and group oxidation of Group-15?
 - $ns^2 np^5, +5$
 - $ns^2 np^3, +5$
 - $ns^2 np^4, +4$
 - $ns^2 np^2, +4$

Subject : BOTANY

- Which of the following is a '5C' compound?
 - Oxaloacetic acid
 - Citric acid
 - α -Ketoglutaric acid
 - Succinic acid
- Which one of the following growth regulators is known as 'stress hormone'?
 - Abscisic acid
 - Ethylene
 - GA3
 - Indole acetic acid
- Choose the correct sequence in Polymerase Chain Reaction (PCR)
 - Denaturation \rightarrow Annealing \rightarrow Extension
 - Annealing \rightarrow Denaturation \rightarrow Extension
 - Extension \rightarrow Denaturation \rightarrow Annealing
 - Denaturation \rightarrow Extension \rightarrow Annealing

Subject : ZOOLOGY

- Consider the statements.

Statement-1: Aldosterone decreases blood pressure

Statement-2: Atrial Natriuretic Factor (ANF) increases blood pressure

 - 1 is correct and 2 is incorrect.
 - 1 is incorrect and 2 is correct.
 - 1 and 2 are correct.
 - 1 and 2 are incorrect.
- The condition characterized by Progressive Degeneration of skeletal muscles due to defective genes is
 - Myasthenia gravis
 - Muscular dystrophy
 - Tetany
 - Osteoporosis
- Assertion (A): Each myofibril has alternate dark and light bands on it.
Reason (R): The striated appearance is due to the distribution of Actin and Myosin proteins.
 - (A) and (R) correct, (R) is the correct explanation of (A).
 - (A) and (R) correct, (R) is not correct explanation of (A).
 - (A) is correct but (R) is incorrect.
 - (A) is incorrect but (R) is correct.

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