



NEET

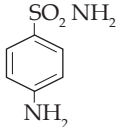
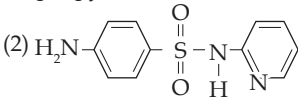
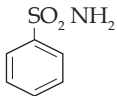
MODEL QUESTIONS

DAY-3

Subject : PHYSICS

- An electric charge q is placed at the centre of a cube of side ' a '. Then electric flux passing through one face of cube is
 (1) $\frac{q}{2\epsilon_0 a^2}$ (2) $\frac{q}{4\pi\epsilon_0 a^2}$ (3) $\frac{q}{6\epsilon_0}$ (4) $\frac{2q}{\epsilon_0}$
- A sphere of radius ' R ' has a uniform distribution of electric charge in its volume, then electric field is proportional to [when $x < R$].
 (1) $\frac{1}{x}$ (2) x (3) $\frac{1}{x^3}$ (4) x^2
- Find the magnitude of the electric intensity at a point 18 cm away from an infinitely long thin straight wire has uniform linear charge density of $\frac{1}{3} \text{ cm}^{-1}$.
 (1) $1.33 \times 10^{11} \text{ N/C}$ (2) $0.33 \times 10^{11} \text{ N/C}$
 (3) $0.44 \times 10^{11} \text{ N/C}$ (4) $3 \times 10^{11} \text{ N/C}$

Subject : CHEMISTRY

- Predict the structure of Sulphapyridine.
 (1)  (2) 
 (3)  (4) None of these
- Match the following
 a. Antibiotic (i) Chloroxylenol
 b. Antiseptic (ii) Norethindrone
 c. Anti-fertility drug (iii) Chloramphenicol
 (1) a-(i) , b-(ii) , c-(iii) (2) a-(iii) , b-(i) , c-(ii)
 (3) a-(iii) , b-(ii) , c-(i) (4) a-(ii) , b-(i) , c-(iii)
- The interaction of Ethylene glycol and Benzene-1,4-dicarboxylic acid gives,
 (1) Dacron (2) Nylon 6 (3) Teflon (4) Nylon 6,6

Subject : BOTANY

- Organisms belonging to following kingdom does not have nuclear membrane. Choose the one.
 (1) Monera (2) Protista (3) Fungi (4) Plantae
- Consider the following statements regarding Facilitated Transport and Choose the incorrect statement.
 (1) Facilitated transport is highly selective
 (2) It requires special membrane proteins
 (3) Facilitated transport requires ATP energy
 (4) It is not an uphill transport
- Choose the incorrect pair
 a. Gibberellins i. Promotes rapid inter node elongation in deep water rice plants
 b. Cytokinins ii. Adventitious shoot formation
 c. Ethylene iii. Inter node elongation prior to flowering (Bolting) in beet
 d. Abscisic acid iv. Help seeds to withstand desiccation
 (1) a and b (2) c and d (3) a and c (4) b and d

Subject : ZOOLOGY

- In biodiversity, species-area relationship is described by
 (1) $\log S = \log C + Z \log A$ (2) $\log S = \log C - Z \log A$
 (3) $\log C = \log S + Z \log A$ (4) $\log A = \log C + Z \log A$
- Consider Non Striated Muscle.
 A. They are also called as smooth muscles.
 B. Their activities are not under the voluntary control of the nervous system and are therefore known as voluntary muscles.
 C. They assist in the transportation of food through the digestive tract and gametes through the genital tract.
 (1) A is correct, B and C are incorrect.
 (2) A and B are correct, C incorrect.
 (3) A and C are correct, B is incorrect.
 (4) A, B, C are correct
- Consider the bone deformity Osteoporosis and choose the incorrect one.
 (1) Decreased bone mass. (2) Inflammation of joints.
 (3) Increased chances of fractures.
 (4) Decreased levels of estrogen is a common cause of osteoporosis.

Questions Provided by
VETRII NEET GATEWAY

Answer Keys:

1	2	3	4	5	6	7	8	9	10	11	12
(3)	(2)	(2)	(2)	(2)	(1)	(1)	(3)	(3)	(1)	(3)	(2)



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