



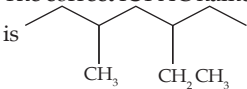
NEET MODEL QUESTIONS

SET-1





Subject : PHYSICS

- A brick is thrown vertically from an aircraft flying two kilometers above the earth. The brick fall with a
(1) Constant speed.
(2) Constant velocity.
(3) Constant acceleration.
(4) Constant speed for some time then with constant acceleration as it nears the earth.
- Identify the incorrect statement:
(1) Frequency, Angular velocity and Velocity gradient have same dimensions.
(2) Strain, Relative density and Solid angle have no dimensions.
(3) Pressure, Young's modulus and Bulk modulus have same dimensions.
(4) Acceleration due to gravity and Thrust have same dimensions.
- If g_{45} is value of acceleration due to gravity at latitude of 45° and g at the equator, the value of g - is (Earth's radius is R)
(1) $\frac{1}{2} \omega^2 R$ (2) $\omega^2 R$
(3) $\frac{3}{4} \omega^2 R$ (4) $\frac{1}{4} \omega^2 R$

Subject : CHEMISTRY

- The correct IUPAC name of the following compound is

(1) 3-Ethyl-3-methylheptane
(2) 3-Ethyl-5 methylheptane
(3) 5-Ethyl-3-methylheptane
(4) 3-Methyl-3-ethylheptane
- What is a magnetic moment of $[\text{CoF}_6]^{3-}$?
(1) 1.82 (2) 4.89
(3) 6.0 (4) Zero
- Correct order of ligand strength is,
(1) $\text{Br}^- < \text{Cl}^- < \text{S}^{2-} < \text{NH}_3 < \text{CN}^-$
(2) $\text{Br}^- < \text{S}^{2-} < \text{Cl}^- < \text{CN}^- < \text{NH}_3$
(3) $\text{I}^- < \text{S}^{2-} < \text{Cl}^- < \text{CN}^- < \text{NH}_3$
(4) $\text{Br}^- < \text{S}^{2-} < \text{Cl}^- < \text{NH}_3 < \text{CN}^-$

Subject : BOTANY

- Which of the following fungi only reproduce by asexual spores conidia?
(1) Alternaria (2) Colletotrichum
(3) Trichoderma (4) All of these
- Aestivation of petals in the flower of cotton is correctly shown in
(1)  (2) 
(3)  (4) 
- Medullary rays are formed by the
(1) Radially placed parenchymatous cells between vascular bundles
(2) Longitudinally placed parenchymatous cells between vascular bundles
(3) Laterally placed parenchymatous cells between vascular bundles
(4) Obliquely placed parenchymatous cells between vascular bundles

Subject : ZOOLOGY

- Which of the following is packed with dense white Type 1 collagen fibres?
(1) Hyaline cartilage (2) Fibro cartilage
(3) Articular cartilage (4) Elastic cartilage
- Which of the following is a Storage form of carbohydrates in animals?
(1) Cellulose (2) Glycogen
(3) Starch (4) Inulin
- Match the following:
(1) Neutrophils a) 0.5-1 %
(2) Lymphocytes b) 60-65 %
(3) Basophils c) 6-8 %
(4) Monocytes d) 20-40 %
Options:
(1) 1-b 2-a 3-d 4-c (2) 1-b 2-d 3-a 4-c
(3) 1-a 2-b 3-c 4-d (4) 1-a 2-d 3-b 4-c

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