



NEET

MODEL QUESTIONS

DAY-7

Subject : PHYSICS

- If a bar magnet of magnetic moment M is freely suspended in a uniform magnetic field of strength B , the work done in rotating the magnet through an angle θ is
 (1) $MB(1 - \cos\theta)$ (2) $MB \sin\theta$
 (3) $MB \cos\theta$ (4) $MB(1 - \sin\theta)$
- The magnetic moment of a Magnet of length 10 cm and Pole strength 4.0 Am will be
 (1) 20 Am^2
 (2) 8.0 Am^2
 (3) 0.4 Am^2
 (4) 1.6 Am^2
- At a certain place, the horizontal component of earth's magnetic field is $\sqrt{3}$ times the vertical component. The angle of dip at that place is
 (1) 90° (2) 30° (3) 60° (4) 45°

Subject : CHEMISTRY

- Among the following which one is the essential amino acid
 (1) Threonine
 (2) Cysteine
 (3) Tyrosine
 (4) Alanine
- Calculate the formal charge of single bonded oxygen present in CO_3^{2-}
 (1) +1 (2) Zero (3) -1 (4) -2
- Find the geometry and hybridisation of the following coordination compound $[\text{Co}(\text{NH}_3)_6]^{3+}$
 (1) Octahedral & sp^3d^2
 (2) Square pyramidal & sp^3d^2
 (3) Octahedral & d^2sp^3
 (4) Square pyramidal & sp^3d

Questions Provided by
VETR II NEET GATEWAY

Subject : BOTANY

- Statement-1: 2,4-D (2,4-dichlorophenoxyacetic acid) used to kill dicotyledonous weeds.
 Statement-2: 2,4-D (2,4-dichlorophenoxyacetic acid) affects mature monocotyledonous plants.
 (1) 1 is correct, 2 is incorrect
 (2) 1 is incorrect, 2 is correct
 (3) 1 and 2 are correct
 (4) 1 and 2 are incorrect
- Choose the incorrect regarding plant hormone gibberellins.
 (1) GA3 was one of the 1st gibberellins to be discovered.
 (2) All gibberellins are basic.
 (3) Gibberellins also promote bolting.
 (4) Gibberellins delays senescence.
- In structure of DNA, at each step of ascent, the strand turns.
 (1) 32° (2) 34° (3) 36° (4) 38°

Subject : ZOOLOGY

- Preventive and control measures to come out of alcohol and drug abuse are
 I. Avoid undue peer pressure.
 II. Education and counselling
 III. Seek help from parents and peers.
 IV. Look for danger signs
 (1) I and II (2) I and III
 (3) I, II, and III (4) I, II, III and IV.
- Following are the causes of biodiversity loss. Choose the incorrect one.
 (1) Habitat loss and fragmentation
 (2) Over-exploitation.
 (3) Alien species withdrawal.
 (4) Co-extinctions.
- The total number of Biodiversity Hotspots in the world
 (1) 32 (2) 34 (3) 36 (4) 38

Answer Keys:

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



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