



NEET

MODEL QUESTIONS

DAY-10

Subject : PHYSICS

- Magnetic field strength of copper is 10^6 A/m. If the susceptibility of copper is -0.9×10^{-5} . Calculate the magnetization of the material.
(1) -9 A/m (2) -7 A/m (3) 3 A/m (4) 5 A/m
- A student measured the diameter of a small steel ball using a screw gauge of least count 0.01 mm. The main scale reading is 6 mm and zero of circular scale division coincides with 25 divisions above the reference level. If screw gauge has a zero error of -0.004 cm, the correct diameter of the ball is
(1) 0.053 cm (2) 0.821 cm (3) 0.629 cm (4) 0.575 cm
- The wavelength of matter waves associated with a body of mass 1 kg moving with a velocity of 1000 m/s is
(1) 6.62×10^{-37} m (2) 6.62×10^{-36} m
(3) 6.62×10^{-34} m (4) 3.31×10^{-32} m

Subject : CHEMISTRY

- The process with negative entropy change is,
(1) Sublimation of dry ice.
(2) Synthesis of ammonia from N_2 and H_2 .
(3) Dissolution of Iodine in water.
(4) Dissociation of $CaSO_{4(s)}$ to $CaO_{(s)}$ and $SO_{3(g)}$
- Oxidation number of Oxygen in OF_2
(1) $+1$ (2) $+2$ (3) -2 (4) -4
- Calgon is a commercial name given to,
(1) Sodium phosphate
(2) Sodium metaphosphate
(3) Sodium aluminate
(4) Sodium hexametaphosphate

Subject : BOTANY

- What would be the number of nucleotides present in a dsDNA having 60 adenine and 40 guanine?
(1) 100 (2) 200 (3) 60 (4) 400

- World's most problematic aquatic weed is
(1) *Eichhornia crassipes*
(2) *Pistia stratiotes*
(3) *Nelumbo nucifera*
(4) *Victoria boliviana*
- Which of the following statements is incorrect regarding Telophase stage of Mitosis?
(1) Chromosomes cluster at opposite spindle poles and their identity is lost as discrete elements.
(2) Centromere splits and Chromatids separate.
(3) Nuclear envelope develops around the chromosome clusters at each pole forming two daughter nuclei.
(4) Reformation of Nucleolus, Golgi complex and Endoplasmic Reticulum occurs.

Subject : ZOOLOGY

- Statement-1: Low temperature destroys enzymatic activity
Statement-2: High temperature preserves the enzyme in a temporarily inactive state
(1) 1 correct and 2 incorrect.
(2) 2 incorrect and 2 correct.
(3) 1 and 2 are correct.
(4) 1 and 2 are incorrect.
- Verhulst-Pearl Logistic Growth is described by
(1) $dN/dt = rN (K/K - N)$ (2) $dN/dt = rN (K/N - K)$
(3) $dN/dt = rN (K - N/K)$ (4) $dN/dt = rN (N - K/K)$
- Statement-1: Vasectomy is the surgical sterilization in female.
Statement-2: Tubectomy is the surgical sterilization in male.
(1) 1 is correct and 2 is incorrect.
(2) 1 is incorrect and 2 is correct.
(3) 1 and 2 are correct.
(4) 1 and 2 are incorrect.

Questions Provided by
VETR II NEET GATEWAY

Answer Keys:

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



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