



NEET

MODEL QUESTIONS

SET-2

Subject : PHYSICS

- The percentage error in the measurement of mass and speed are 3% and 4% respectively. The error in the estimate of kinetic energy obtained by measuring mass and speed will be
(1) 12% (2) 10% (3) 8% (4) 11%
- The inductive reactance of an inductive coil with $1/\pi$ henry and 50Hz
(1) $50/\pi \Omega$ (2) $\pi/50 \Omega$ (3) 100Ω (4) 50Ω
- The minimum horizontal range of a particle is achieved at an angle of
(1) 45° (2) 60° (3) 30° (4) 90°

Subject : CHEMISTRY

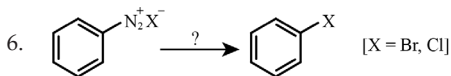
- Match the following

(a) Kaolinite	(i) $\text{CuCO}_3 \cdot \text{Cu(OH)}_2$
(b) Malachite	(ii) $\text{Al}_2(\text{OH})_4 \cdot \text{Si}_2\text{O}_5$
(c) Zincite	(iii) ZnO
(d) Calamine	(iv) ZnCO_3
- (1) (a)-ii, (b)-i, (c)-iii, (d)-iv (2) (a)-iv, (b)-iii, (c)-ii, (d)-i
(3) (a)-ii, (b)-i, (c)-iii, (d)-iv (4) (a)-i, (b)-ii, (c)-iv, (d)-iii

- The 1st order reaction is denoted by the following eqn.,

$$(1) K = \frac{[R]_0 - [R]}{t} \quad (2) K = \frac{2.303}{t_{1/2}} \log \frac{[R]_0}{[R]}$$

$$(3) K = \frac{2.303}{t_{1/2}} \log \frac{[R]}{[R]_0} \quad (4) K = \frac{2.303}{t} \log \frac{[R]_0}{[R]}$$



- (1) Cu X_2 (2) $\text{Cu}_2 \text{X}_2$
(3) HI (4) $\text{NaNO}_3 + \text{Hx}$

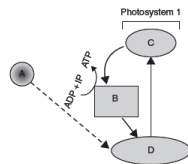
Subject : BOTANY

- Crossing over takes place between which chromatids and in which stage of the cell cycle?
(1) Non-sister chromatids of non-homologous chromosomes at zygotene stage of prophase-I
(2) Non-sister chromatids of homologous chromosomes at pachytene stage of prophase-I

- Non-sister chromatids of homologous chromosomes at zygotene stage of prophase-I
- Non-sister chromatids of non-homologous chromosomes at pachytene stage of prophase-I

- What indicates A to D in the given figure?

- A-e-acceptor, B-ETS, C-Chlorophyll P700, D-Light.
- A-ETS, B-e-acceptor, C-Light, D-Chlorophyll P700.
- A-Chlorophyll P700, B-ETS, C-Light, D-e-acceptor.
- A-Light, B-ETS, C-e-acceptor, D-Chlorophyll P700.



- Match the column:

Pigment	Colour (in chromatogram)
(a) Chlorophyll-a	i) Bright or blue green
(b) Chlorophyll-b	ii) Yellow
(c) Xanthophylls	iii) Yellow to Green
(d) Carotenoids	iv) Yellow to yellow-orange

(1) (a)-i, (b)-ii, (c)-iii, (d)-iv (2) (a)-i, (b)-iii, (c)-ii, (d)-iv
(3) (a)-ii, (b)-i, (c)-iii, (d)-iv (4) (a)-iii, (b)-ii, (c)-i, (d)-iv

Subject : ZOOLOGY

- Milk is Ejected from mammary glands by contraction of smooth muscles by
(1) Vasopressin (2) Prolactin (3) Melatonin (4) Oxytocin
- Which of the following is true about Menstrual cycle?
(a) Menstrual cycle occurs once in 28/29 days.
(b) LH surge occurs at 14th day.
(c) Graafian follicle is transformed to Corpus luteum during Follicular phase.
(d) Menstruation occurs after the ovum gets fertilised.
(1) a, b, c is true (2) c and d are true
(3) a and b are true (4) d only
- Which of the following organisms cause Dry, scaly, itchy circular lesions in scalp?
(1) Trichophyton (2) Ascaris
(3) Filaria (4) Trypanosoma

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