



# NEET

## MODEL QUESTIONS

DAY-8

### Subject : PHYSICS

1. A steel rod having radius  $r$  and length  $L$  gets stretched along its length by  $\Delta L$ , when a Force  $F$  is applied to it. If another rod made of the same material having radius  $2r$  and length  $2L$  is subjected to same Force  $F$ , then the elongation observed for the second rod is

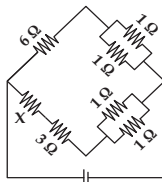
- (1)  $4\Delta L$  (2)  $\Delta L$   
 (3)  $\Delta L/4$  (4)  $\Delta L/2$

2. Which one of the following quantities is dimensionless?

- (1) Specific weight (2) Specific heat  
 (3) Specific density (4) Specific gravity

3. For what value of unknown resistance  $X$ , the potential difference between B and D will be zero in the circuit shown in figure.

- (1)  $2\Omega$  (2)  $3\Omega$   
 (3)  $6\Omega$  (4)  $4\Omega$



### Subject : CHEMISTRY

4. Which allotrope of sulphur has highest specific gravity?

- (1) Monoclinic sulphur (2)  $\beta$ -sulphur  
 (3) Rhombic sulphur (4)  $\gamma$ -sulphur

5. Match the following:

- (a) Cryolite (i)  $\text{Na}_3\text{AlF}_6$   
 (b) Fluorspar (ii)  $\text{CF}_2$   
 (c) Fluoroapatite (iii)  $\text{Ca}_5(\text{PO}_4)_3\text{F}$

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

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6. Among the following which one is not comes under collectors used in froth floatation method,

- (1) Cresols (2) Xanthates  
 (3) Fatty acids (4) Pine oils

### Subject : BOTANY

7. There are 64 codons in genetic code. Find the number of codons that code for amino acids

- (1) 63 (2) 61  
 (3) 60 (4) None of the above

8. Cells \_\_\_ in hypotonic solution and \_\_\_ in hypertonic solution

- (1) Swell, Shrink (2) Shrink, Swell  
 (3) Flaccid, Swell (4) Shrink, Flaccid

9. The entire collection having all the diverse alleles for all genes in a given crop is called

- (1) Herbarium (2) Cryopreservation  
 (3) Germplasm collection (4) Breeding

### Subject : ZOOLOGY

10. Antigen binding site in an antibody is found in

- (1) Variable region (2) Constant region  
 (3) Heavy chain (4) None of these

11. Which of the following is a distinctive feature of Echinoderms?

- (1) Water vascular system (2) Pharyngeal gill slits  
 (3) Air bladder (4) Mammary glands

12. Which of the following is known as the sound box?

- (1) Pharynx (2) Larynx  
 (3) Bronchioles (4) Trachea

Answer Keys:

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



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