NET, IAS, State-SET (KSET, WBSET, MPSET, etc.), GATE, CUET, Olympiads etc.: Zoology MCQs (Practice_Test 83 of 112)

1. - **Assertion (A)** : Sponges do not have respiratory organs.
   - **Reason (R)** : Sponges have a highly porous body which allows liberal access of water to all parts of the body.
     a. Both A and R are true and R is the correct explanation of A
     b. Both A and R are true but R is NOT a correct explanation of A
     c. A is true but R is false
     d. A is false but R is true
   - **Assertion (A)** : Cuchia eel can survive for some time outside water and can travel on damp grass.
   - **Reason (R)** : It has vascular areas in the skin and small and rounded operculum opening to retain water in the bronchial chamber during its journey on land.
     a. Both A and R are true and R is the correct explanation of A
     b. Both A and R are true but R is NOT a correct explanation of A
     c. A is true but R is false
     d. A is false but R is true
2. - **Assertion (A)** : In the nervous system, transmission of information depends upon the coding of impulses.
   - **Reason (R)** : The number of active nerve fibres and the frequency of impulse transmission are mainly responsible for grading the response.
     a. Both A and R are true and R is the correct explanation of A
     b. Both A and R are true but R is NOT a correct explanation of A
     c. A is true but R is false
     d. A is false but R is true
   - **Assertion (A)** : Insufficiency of Para hormone causes tetany.
   - **Reason (R)** : The level of calcium in extravehicular fluid falls and that of phosphate rises.
     a. Both A and R are true and R is the correct explanation of A

b. Both A and R are true but R is NOT a correct explanation of A
c. A is true but R is false
d. A is false but R is true

3. ◦ **Assertion (A)** : As polyspermy is being slowly blocked, the cortical granules explode and release their contents into the perivitelline space.
◦ **Reason (R)** : Quick blocking of polyspermy sets in depolarization of the egg plasma lemma and mobilization of Ca2 + from stores within the egg.
a. Both A and R are true and R is the correct explanation of A
b. Both A and R are true but R is NOT a correct explanation of A
c. A is true but R is false
d. A is false but R is true
◦ **Assertion (A)** : In ascidians, the tadpole larva undergoes retrogressive metamorphosis to attain the adult stage.
◦ **Reason (R)** : The limbs of the larva gradually disappear to reach the sessile life.
a. Both A and R are true and R is the correct explanation of A
b. Both A and R are true but R is NOT a correct explanation of A
c. A is true but R is false
d. A is false but R is true

4. Match List-I with List-II and select the correct answer

List-I (Purpose)	List-II (Type of microscopy)
a. Detection of differences in refractive index b. Revealing the surface architecture c. Detection of bound of regions differing in refractive index	a. Scanning electron microscopy b. Polarization microscopy c. Transmission electron microscopy d. Phase contrast microscopy e. Dark-field microscopy

Table Supporting: NET, IAS, State-SET (KSET, WBSET, MPSET, Etc.) , GATE, CUET, Olympiads Etc. : Zoology MCQs (Practice_Test 83 of 112)

◦ A
◦ B
◦ C
a. ■ 1

- 4
- 2
- 2
- 1
- 4

b.
- 4
- 1
- 5
- 2
- 5
- 3

5. In the statement The diagrams A and B shown in the given figure are the 'X' representations of the 'Y' cells, 'X' and 'Y' stand respectively for
   a. In vivo; normal and transformed
   b. In vivo; fibroblast and epithelial
   c. In viva; normal and transformed
   d. In viva; fibroblast and epithelial
6. Which one of the following sets of characters represents that of eukaryotic cytosolic ribosome's?
   a. 80s 40s, 60s , 18s rRNA, 28s rRNA, 5 $\frac{2}{5}$ s rRNA and 5s rRNA ,
   b. 70s (30s, SOs) , (16s rRNA, 23s rRNA and 5s rRNA) ,
   c. 80s (30s, 60s) , (16s rRNA, 23s rRNA and 5s rRNA) ,
   d. 70s 40s, 50s , 18s rRNA, 28s rRNA, 5 $\frac{1}{2}$ Ss rRNA and 5s rRNA ,
7. Match list-I (Cytoplasmic bodies) with List-II (Functions) and select the correct answer:

List-I	List-II
1. Golgi bodies 2. Lysosomes 3. Endoplasmic reticulum	1. Digestion of proteins into dipeptides and carbohydrates into monosaccharides 2. Glycosidation (of lipids and proteins) 3. Synthesis of triglycerides, pholipids and cholesterol

Table Supporting: NET, IAS, State-SET (KSET, WBSET, MPSET, Etc.) , GATE, CUET, Olympiads Etc. : Zoology MCQs (Practice_Test 83 of 112)

- A
- B

- C
  a. 1
     2
     3
     2
     3
     1
  b. 2
     1
     3
     3
     1
     2