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- (a) It serves as a covering for mouth.
- (b) It helps to open cracks in the soil into which it can crawl.
- (c) It is one of the sensory structures.
- (d) It is the first body segment.

Choose the **correct** answer from the options given below.

- (1) (a), (b) and (d) are correct
- (2) (a), (b), (c) and (d) are correct
- (3) (b) and (c) are correct
- (4) (a), (b) and (c) are correct

**Answer (4)**

196. Match List-I with List-II

List - I		List - II	
(a)	Scapula	(i)	Cartilaginous joints
(b)	Cranium	(ii)	Flat bone
(c)	Sternum	(iii)	Fibrous joints
(d)	Vertebral column	(iv)	Triangular flat bone

Choose the correct answer from the options given below

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

**Answer (3)**

197. Match List-I with List - II

List - I		List - II	
(a)	Allen's Rule	(i)	Kangaroo rat
(b)	Physiological adaptation	(ii)	Desert lizard
(c)	Behavioural adaptation	(iii)	Marine fish at depth
(d)	Biochemical adaptation	(iv)	Polar seal

Choose the **correct** answer from the options given below.

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

**Answer (2)**

198. Which one of the following statements about Histones is **wrong**?

- (1) The pH of histones is slightly acidic
- (2) Histones are rich in amino acids - Lysine and Arginine
- (3) Histones carry positive charge in the side chain
- (4) Histones are organized to form a unit of 8 molecules

**Answer (1)**

199. Identify the types of cell junctions that help to stop the leakage of the substances across a tissue and facilitation of communication with neighbouring cells via rapid transfer of ions and molecules.

- (1) Tight junctions and Gap junctions, respectively
- (2) Adhering junctions and Tight junctions, respectively.
- (3) Adhering junctions and Gap junctions, respectively
- (4) Gap junctions and Adhering junctions, respectively

**Answer (1)**

200. Which of the following is **not** a step in Multiple Ovulation Embryo Transfer Technology (MOET)?

- (1) Cow yields about 6-8 eggs at a time
- (2) Cow is fertilized by artificial insemination
- (3) Fertilized eggs are transferred to surrogate mothers at 8-32 cell stage
- (4) Cow is administered hormone having LH like activity for super ovulation

**Answer (4)**