

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

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

Answer (4)

198. 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.

- Adhering junctions and Tight junctions, respectively.
- Adhering junctions and Gap junctions, respectively
- Gap junctions and Adhering junctions, respectively
- Tight junctions and Gap junctions, respectively

Answer (4)

199. During muscular contraction which of the following events occur?

- 'H' zone disappears
- 'A' band widens
- 'I' band reduces in width
- Myosine hydrolyzes ATP, releasing the ADP and Pi.
- Z-lines attached to actins are pulled inwards.

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

- (b), (c), (d), (e) only
- (b), (d), (e), (a) only
- (a), (c), (d), (e) only
- (a), (b), (c), (d) only

Answer (3)

200. Match List - I with List - II

List - I		List - II	
(a)	Adaptive radiation	(i)	Selection of resistant varieties due to excessive use of herbicides and pesticides
(b)	Convergent evolution	(ii)	Bones of forelimbs in Man and Whale
(c)	Divergent evolution	(iii)	Wings of Butterfly and Bird
(d)	Evolution by anthropogenic action	(iv)	Darwin Finches

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

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

Answer (3)