

SELF ASSESSMENT TEST

(Chapter 5: Origin and evolution of life)

Time : 1 Hour]

[Marks : 20

Notes :

1. All questions are compulsory.
2. Figures to the right indicate full marks.

SECTION – A

Q. 1. Multiple Choice Questions (MCQ) :

(1 mark each)

- (i) Who was man with ape-brain ?
(a) Pithecanthropus (b) Dryopithecus
(c) Australopithecus (d) Neanderthal man [1]
- (ii) Industrial melanism observed in moth, *Biston bitularia* shows type of natural selection.
(a) stabilising (b) directional (c) disruptive (d) artificial [1]
- (iii) Which type of rocks show maximum fossils?
(a) Sedimentary rocks (b) Igneous rocks
(c) Metamorphic rocks (d) Any type of rock [1]
- (iv) Which sentence holds true for theory of biogenesis?
(a) Living organisms arise from non-living things.
(b) Theory of biogenesis can explain origin of life.
(c) Continuity of life can be explained by this theory.
(d) This theory was disproved by Louis Pasteur. [1]

Q. 2. Very Short Answer Questions (VSA) :

(1 mark each)

- (i) Name any two homologous organs in plants. [1]
- (ii) What is a coacervate? [1]

SECTION – B

Q. 3. Short Answer Questions (SA - I) :

(2 marks each)

- (i) Give significance of fossils. [2]
- (ii)
- | Geological time | Animal life |
|-----------------|-------------------------------|
| (1) Cambrian | (a) Amphibians |
| (2) Ordovician | (b) First terrestrial animals |
| (3) Silurian | (c) Jawless fishes |
| (4) Devonian | (d) Trilobite |
- [2]

SECTION – C

Q. 4. Short Answer Questions (SA - II) :

(3 marks each)

(i) Give any three evidences of Darwinism.

[3]

(ii) Write a brief account of Neanderthal man.

[3]

SECTION – D

Q. 5. Long Answer Questions (LA) :

(4 marks each)

What is Genetic variations? Explain the different factors responsible for genetic variations.

[4]

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