



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

SOLUTIONS – 23

Class: XII

Sub: Biological Science

Date: 30.06.2020

Topic: Chapter 7 Evolution (Part I) Origin of Life

F.M. : 15

Choose the correct option:

(1x15=15)

1. 'The earth is a creation of God'. It is envisaged in which theory ?
a) Theory of spontaneous generation b) Theory of Special creation c) Theory of Biogenesis
d) Cosmozoan Theory

Answer : Theory of special creation (b)

2. Who proposed the theory of Spontaneous generation?
a) Redi b) Spallanzani c) Aristotle d) Oparin

Answer : Aristotle (c)

3. Supporter of Theory of Biogenesis :-
a) Francesco Redi b) Spallanzani c) Louis Pasteur d) All of these

Answer : All of these (d)

4. The famous swan-necked flask experiment was performed by :-
a) Louis Pasteur b) Needham c) Spallanzani d) All of these

Answer : Louis Pasteur (a)

5. Who proposed the cosmic panspermia theory ?
a) Preyer b) Richter c) Arrhenius d) Helmholtz

Answer : Arrhenius (c)

6. Life came to the Earth via a meteorite was the idea proposed by :-
a) Helmholtz b) Preyer c) Haldane d) Needham

Answer : Helmholtz (a)

7. The concept of biochemical origin of life was proposed by :-
a) Oparin and Haldane b) Arrhenius c) Spallanzani d) Louis Pasteur

Answer : Oparin and Haldane (a)

8. The earth is said to have originated :-
a) 3 billion years ago b) 5-6 billion years ago c) 2 billion years ago d) 1 million years ago

Answer : 5-6 billion years ago (b)

9. The heaviest metal atoms like Ni, Fe and Cu collected in the _____ of Earth.
a) Crust b) Atmosphere c) Core d) None of these

Answer : Core (c)

10. The primitive atmosphere was _____ in nature.
a) Oxidising b) Reducing c) Neutral d) Oxido-reducing
Answer : Reducing (b)
11. Primordial atmosphere included _____ in its composition.
a) Methane b) Hydrogen c) Ammonia d) All of these
Answer : All of these (d)
12. The synthesis of carbohydrates, fats and amino acids presumably took place in sea and the mixture of sea is described as _____.
a) Hot dilute soup b) Boiling sea c) Watery crust d) None of these
Answer : Hot dilute soup (a)
13. The following simple organic compounds were formed in primitive world :-
a) Purines and Pyrimidine b) Glycerol c) Amino acids d) All of these
Answer : All of these (d)
14. Complex organic compounds like polysaccharides, proteins etc were formed by the process of :-
a) Hydrolysis b) Ligation c) Polymerisation d) None of these
Answer : Polymerisation (c)
15. The future lithosphere was made up from :-
a) Silicon b) Aluminium c) Sodium d) All of these
Answer : All of these (d)

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