

**Semester IV SYBSC ZOOLOGY Paper I**

Q1) Chemical reactions between simple inorganic molecules in the oceanic waters led to the formation of complex organic molecules like amino acids. This concept is called

- 1) Biological evolution
- 2) Microbial evolution
- 3) Chemical evolution
- 4) Viral evolution

Q2) Germplasm theory had a distinct mention of inheritable determinants located in the chromosomes which actually form the basis of heredity. This was proposed by

- 1) Hugo de vries
- 2) Weismann
- 3) Watson and Crick
- 4) Mendel

Q3) In the presence of light energy in the prebiotic environment, chemical synthesis of organic molecules occurred. These organic molecules formed assemblies of lipid bounded membranes called

- 1) Coacervates
- 2) Lipoacervates
- 3) Glycoacervates
- 4) Proteoacervates

Q4) Evidence in favour of organic evolution can be cited using

- 1) Paleontology
- 2) Siesmology
- 3) Organotecnology

4) Somnology

Q5) Choose the odd characteristic of scientific research

- 1) Nonreliability
- 2) Testability
- 3) Objectivity
- 4) Purposefulness

Q6) Group of individuals in which there is free gene flow, is known as

- 1) Mendelian population
- 2) Darwinian population
- 3) Morganian population
- 4) Migratory population

Q7) The modern theory of the origin of species is known as \_\_\_\_\_ theory of evolution.

- 1) Modern synthetic
- 2) Modern natural
- 3) Modern speciation
- 4) Modern speciation

Q8) If the research results have a role in policy making regarding issues. It is presented as simple and appealing report called as

- 1) Popular report
- 2) Technical report
- 3) Monograph
- 4) Article

Q9) Science research papers use abstract of the type

- 1) Descriptive
- 2) Informative
- 3) Constructive
- 4) Structured

10) It is used in all phases of research from its proposal to presentation of findings.

- 1) Calorimeter
- 2) Computer
- 3) Colorimeter
- 4) Calculator

Q11) Hardy Weinberg equilibrium is maintained in populations showing mating of type

- 1) Random
- 2) Non random
- 3) Inbreeding
- 4) Outbreeding

Q12) In aneuploidy addition of one chromosome to diploid set leads to  $2N+1$  condition popularly known as

- 1) Monosomic
- 2) Trisomic
- 3) Anasomic
- 4) Metasomic

end