

Total No. of Printed Pages:2

SUBJECT CODE NO:- F-6018
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Sem-III) (Zoology)
Examinations December/January-2022-23
Evaluation & Animal Behavior- 501

[Time: Three Hours]

[Max. Marks: 80]

N.B Please check whether you have got the right question paper.

N.B

- 1) Section 'A' is compulsory.
- 2) Attempt any five question from section 'B'
- 3) Draw a neat labelled diagram wherever necessary

Part 'A'

Q. 1 Attempt the following multiple choice questions.

20

- 1) The struggle between the organism of same species is called-----
 a) Intraspecific struggle b) Interspecific struggle c) Environmental struggle d) None
- 2) The prebiotic atmosphere of earth was -----
 a) Aerobic b) Partially aerobic c) Anaerobic d) without any gaze
- 3) The ultimate source of organic variation is ----
 a) Mutation b) Sexual selection c) Natural selection d) Hormonal action
- 4) Role of mutation in evolution is -----
 a) Genetic drift b) Reproductive isolation c) Genetic variation d) None
- 5) The Mesozoic era of earth is called-----
 a) Age of Amphibian b) Age of Armoured Fish
 c) Age of Primitive Man d) Age of Ruling Reptiles
- 6) Transfer of gene from one gene pool to another called as-----
 a) Speciation b) Genetic Drift c) Gene Flow d) Mutation
- 7) Sum of all gens held by the members of population is known as -----
 a) Gene Flow b) Genome c) Gene Pool d) Genotype
- 8) Separation of a single population into several sub units is called-----
 a) Genetic Variation b) Isolation c) Natural Selection d) Adaptive Radiation
- 9) Study of behavior of animal called as -----
 a) Genetics b) Ethology c) Ecology d) Ethnology
- 10) First geological time scale was developed by -----
 a) Aristotal b) J.B.S. Haldane c) Richter d) Giovanni Avduina

Part 'B'

Attempt any five questions

- Q. 2 Describe Darwin's theory of natural selection. 12
- Q. 3 Explain evolution of unicellular eukaryotes and photosynthesis 12
- Q. 4 Discuss mechanism of Hardy Weinberg law 12
- Q. 5 What is speciation? Explain types of speciation. 12
- Q. 6 Explain in brief major groups of animals. 12
- Q. 7 Discuss the term struggle for existence. 12
- Q. 8 Describe in detail migration orientation and navigation. 12