

Model Question Paper
Zoology-Microbiology - Part I
12th Standard

Biology

Reg.No. :

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I. Answer all the questions.
II. Use Blue pen only.

Time : 01:00:00 Hrs

Total Marks : 75

5 x 1 = 5

Section-A

- 1) Who initially developed the vaccine for rabies in man ?
(a) Robert Koch (b) Joseph Lister (c) Louis Pasteur (d) Stanley
- 2) Which one of the following fields paved the way for modern microbiology ?
(a) development of vaccines (b) technique of new viral strains (c) discovery of new viral strains (d) development of pure culture technique
- 3) Which one of the following statements is incorrect regarding the structure of viruses ?
(a) Nucleic materials are covered by a protein coat, called capsid. (b) The capsid is made up of capsomeres (c) some animal viruses have an additional envelope
(d) The additional envelope is made up of glycoprotein
- 4) Virions contain only a single copy of nucleic acid, hence they are called
(a) incomplete viruses (b) haploid viruses (c) ploidy viruses (d) complete viruses
- 5) Tumour inducing viruses are called
(a) pathogenic viruses (b) oncogenic viruses (c) para viruses (d) variola viruses

Section-B

5 x 3 = 15

- 6) Define microbiology.
- 7) Mention the use of pure culture technique ?
- 8) What is meant by diploid cell strain ?
- 9) Classify different types of malaria.
- 10) What is amoebiasis ?

Section-C

5 x 5 = 25

- 11) Briefly describe the structure of virus.
- 12) Write short notes on viral diseases in man.
- 13) Give a brief account of the life cycle of schistosoma haematobium.
- 14) Write an account on the history of discovery and structure of HIV.
- 15) Enumerate the adaptations of pathogenic microbes.

Section-D

3 x 10 = 30

- 16) Give an account on cultivation of animal viruses
- 17) "Malaria-a major public health problem"- discuss.
- 18) Write an essay on pathogenicity of microorganisms and infections.
