

MOCK Question Paper

B.Sc. Hons. Microbiology

Paper- C1

SET-A

Time-2 hr

F.M-40

1. Answer any *five* of the following questions:

1x5

- a) Who proposed three kingdom classification?
- b) What is microbial diversity?
- c) How does ascus differ from basidium?
- d) What is meant by biogenesis?
- e) What is algal eyespot?
- f) Mention the contribution of Alexander Fleming in microbiology?
- g) What is pasteurization?
- h) What is heterothallism?

2. Answer any *five* of the following questions:

2x5

- a) What do you mean by “Fungi Imperfecti”?
- b) Name two protozoan disease and their causative agents
- c) Write down the postulates of Robert Koch.
- d) What is hypha? What is chitin?
- e) Write down the contribution of Joseph Lister in microbiology
- f) What is the difference between kingdom and domain?

3. Answer any *three* of the following questions:

3x5

- a) Describe the three domain concept of Carl Woese.
- b) Write down the general characteristics of fungi.
- c) Write down the economic importance of algae
- d) Write down the life cycle of *Giardia*
- e) Write down the contribution of Edward Jenner

4. Answer any *one* of the following questions:

1x10

- a) Write short note:

5x2

- i) Clamp Connection.
- ii) Dolipore Septum

- b) Write down the characteristics of protozoa. Write down the name of two harmful fungi
What are ascus and ascospore?

6+2+2

B.Sc. Hons. Microbiology

Paper- C1

SET-B

Time-2 hr

F.M-40

1. Answer any *five* of the following questions:

1x5

- a) What do you mean by higher fungi?
- b) Give an example of a protozoa which cause malaria
- c) What is fungi?
- d) What do you mean by buller phenomenon?
- e) What is the fundamental difference between protozoa and algae?
- f) Do protozoa have a nucleus?
- g) What is mycelium?
- h) What is phragmobasidium?

2. Answer any *five* of the following questions:

2x5

- a) What are the fruiting bodies of Ascomycetes and Deuteromycetes?
- b) What are animalcules? Who is known as “Father of Microscopy”?
- c) What is the contribution of John Needham in microbiology?
- d) What is mycotoxins?
- e) What is rhizomorh?
- f) Who proposed five kingdom classification?

3. Answer any *three* of the following questions:

3x5

- a) Write down about the different scopes of microbiology.
- b) Write down the contribution of Louis Pasteur
- c) Write down the economic importance of fungi
- d) Write down the reproduction of algae.
- e) Give a comparison between algae and fungi.

4. Answer any *one* of the following questions:

- a) Write down the different life cycle in algae. What are the reserve food material present in algae?
8+2
- b) Write down the ultrastructure of fungal cell wall. Write down the characteristics of *Amoeba*.
6+4

