

Higher Secondary Second Year

Micro Biology

Model Question Paper – 1

Time : 2.30Hrs

Marks : 70

Answer all the questions

15 x 1 =15

Choose the most suitable answer from the given four alternatives and write the option code and corresponding answer

- 1 The system of antiseptic surgery was developed by
  - a. John Tyndall
  - b. Joseph Listen
  - c. Louispasteur
  - d. Robert Koch
- 2 Fluorescent microscope is used in medical microbiology to observe pathogens such as
  - a. Treponema pallidum
  - b. Mycobacterium tuberculosis
  - c. Staphylo coccus aureus
  - d. E coil
- 3 Air-borne infections are transmitted mainly by
  - a. areosols from person to person
  - b. inhaling spores or hyphae fragment from oil
  - c. drinking contaminated water
  - d. objects such as handkerchiefs that are contained with respiratory secretions
- 4 Which of the following biofertilizers is most suitable for paddy crop!
  - a. Rhizobium
  - b. Acetobacten
  - c. Azoto bacterial
  - d. Azolla
- 5 Hyaluronidare is an enzyme which acts on
  - a. cell surface
  - b.inter cellular cement substance
  - c. cytoplasm
  - d. nucleic acid
- 6 Rice – walis stool is the symptom of
  - a. amuebic dysentery
  - b.bacillary dysentery
  - c. cholera
  - d. Tetanus
- 7 \_\_\_\_\_ are cell wals less bacteria
  - a.shigella
  - b. clostridium
  - c. mycoplasma
  - d.vibrio
- 8 L.donovani was first discovered in the year
  - a.1914
  - b.1903
  - c.1920
  - d.1803
- 9 Which bacteria appear cluslers



No. 32 is compulsory

- 25 Write about a short note on Eutrophication
- 26 Define Biofertilizer with example and write their Role.
- 27 What are the infections due to salmonella
- 28 Chaga's disease is which type of disease. Write the causative agent and their Epidemiology
- 29 Write the raw materials for penicillin production
- 30 What is antiseptic agent? Give example.
- 31 What are the mode of transmission of HIV
- 32 Write about the short notes on circular DNA molecule with example.
- 33 Explain the structure of Ti plasmid

Section – IV

Answer the following questions

5 x 5 = 25

- 34 Define Glycolysis? Explain Embden-Meyerh pathway

(Or)

Describe the characteristic of curved shape bacteria and write the symptoms of cholerae

- 35 Write the composition of Biogas? Describe the production of Biogas.

(Or)

Explain the life cycle of Liver Flukes

- 36 Write a short notes on TEM

(Or)

Describe the laboratory diagnosis of lyme disease

- 37 Write the difference between immediate hypersensitivity and delayed hypersensitivity

(Or)

Describe the conjugation bacteria and write the significance.

- 38 Prevention and control measurement of c. tatani

(Or)

Explain the development of T cell.