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SUBJECT CODE NO: - Y-2182
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (PATTERN-2013) (T.Y SEM VI)
Examination April / May - 2024
Botany Paper- XX (C) Microbiology and Disease Management

[Time: 1:30 Hours]

[Max. Marks: 50]

Please check whether you have got the right question paper.

N. B

1. Attempt all questions.
2. Illustrate your answer with suitable diagram wherever necessary.

Q1 Describe in detail industrial applications of microorganisms in with suitable examples. 20

OR

Give an account of classification of microorganisms with features of groups.

Q2 Describe in brief preventive methods in plant disease management. 20

OR

Write short notes (any four)

- a. Crop rotation
- b. Salient features of viruses
- c. Antibiotics
- d. Mercuric fungicides
- e. Sterilization
- f. Pesticides



Q3 Multiple choice questions.

- 1) Endotoxin produced by Gram-negative bacteria is present in
 - a. Peptidoglycan
 - b. Lipopolysaccharide
 - c. Theichoic acid
 - d. Inner membrane
- 2) Corona virus having _____
 - a. RNA
 - b. DNA
 - c. DNA & RNA
 - d. Nucleus
- 3) The principle involved in an autoclave is _____.
 - a. Dry heat
 - b. Steam under pressure
 - c. Moist heat
 - d. Both a and b
- 4) The method in which the cells are frozen dehydrated is called _____.
 - a. Disinfection
 - b. Pasteurization
 - c. Desiccation
 - d. Lyophilization
- 5) chromatophores _____
 - a. Bacteriochlorophylls
 - b. Fungal exudates
 - c. A type of chromosomes
 - d. Fungal Pigments

- 6) Soil borne pathogens can be best managed by _____.
- a. Fungicide application
 - b. Hot water treatment
 - c. Biological control
 - d. mixed cropping
- 7) Carbendazim binds to the _____.
- a. cell wall
 - b. cell membrane
 - c. spindle fibre
 - d. outer matrix
- 8) The oldest method of weed control is _____.
- a. Tilage
 - b. Hand weeding
 - c. sickling
 - d. Digging
- 9) Hydraulic spray nozzle utilizes _____.
- a. Liquid kinetic energy
 - b. solid kinetic energy
 - c. Gas kinetic energy
 - d. none of the above
- 10) Chemical name of vitavax is _____.
- a. Carboxin
 - b. Dicloran
 - c. Cymoxanil
 - d. Mancozeb

