



Department of Microbiology and Biotechnology  
R. C. Patel Arts, Commerce and Science College, Shirpur

## State Level Microbiological Contest

Max. Marks – 100

F.Y.B.Sc.

Time – 1 Hr.

Read the following instructions carefully before you begin to answer the questions.

- I. This question paper contains 50 questions.
- II. All questions have FOUR options
- III. All questions are compulsory and each question carries 02 marks.
- IV. There will NOT be any negative marking for incorrect answer. But incorrect answers will be considered to determine the rank.
- V. You will be supplied the ANSWER SHEET separately by invigilator. You must write your name and class on the answer-sheet carefully, failing to which your ANSWER SHEET will not be evaluated and you will be awarded with 'zero' marks.
- VI. Answer must be shown by writing a correct option, either A, B, C or D (in capital letter) on the ANSWER SHEET against the relevant question number by BLUE or BLACK ball point pen only.

1. The definition of biogenesis is...
  - a) Microbes can be generated from non-living matter
  - b) Living cells can arise from pre-existing cells
  - c) A vital force is necessary for life
  - d) Air is necessary for living organisms
2. Which of the following biotechnological method is known to human since ancient time?
  - a) Production of human protein from bacteria
  - b) Use of enzymes in detergents
  - c) Vaccine preparation
  - d) Wine preparation
3. Who discovered virus?
  - a) Leeuwenhoek
  - b) Iwanowski
  - c) Edward Jenner
  - d) Louis Pasteur
4. Who proved that "DNA is a hereditary material?"
  - a) Gregor Mendel
  - b) Watson and Crick
  - c) Avery, MacLeod and McCarty
  - d) T. H. Morgan
5. The segment of microbiology which studies the biodegradation of toxic wastes is...
  - a) Immunology
  - b) Mycology
  - c) Microbial physiology
  - d) Microbial ecology
6. Recombinant DNA means...
  - a) DNA of bacteria
  - b) DNA resulting from two different organisms
  - c) Synthetically prepared DNA
  - d) The DNA having no genetic significance
7. The function of selective permeability in bacteria is due to ...
  - a) Cell wall
  - b) Cell membrane
  - c) Capsule
  - d) Slime layer
8. Which of the following pair is mismatch?
  - a) Cell wall :: Shape of cell
  - b) Ribosomes :: DNA synthesis
  - c) Pili :: Reproduction
  - d) Spore :: Survival in extreme conditions