9 The protein present in flagellar filament is \_\_\_\_

11 Cyanophages infect \_\_\_\_\_ cells.

12 The refractive index of oil is \_\_\_\_\_

10 The anti-microbial agents used to treat infections are called —

 $(12 \times \frac{1}{4}) = 3 \text{ weightage}$ 

Turn over

2 D 32482

## II. Answer all nine questions:

- 13 Prokaryotic ribosome.
- 14 Biomembrane.
- 15 Bacteriostasis.
- 16 Phenol coefficient.
- 17 Magnetosomes.
- 18 Paul Ehrlich.
- 19 Action of Tetracycline.
- 20 '0' antigen.
- 21 Mesosomes.

 $(9 \times 1 = 9 \text{ weightage})$ 

## III. Write short notes on any five questions:

- 22 Structure and function of endospore.
- 23 Storage granules in bacteria.
- 24 Structure of bacteriophages.
- 25 Differences between Prokaryotes and Eukaryotes.
- 26 Describe pure culture techniques.
- 27 Contribution of Robert Koch in the field of Microbiology.
- 28 Explain the structure and function of bacterial cell wall.

 $(5 \times 2 = 10 \text{ weightage})$ 

## IV. Answer any two questions:

- 29 Discuss the various physical methods of sterilization.
- 30 With diagram, explain the ultrastructure of Bacteria.
- 31 Write an essay on Microscopy.

 $(2 \times 4 = 8 \text{ weightage})$