Instructions to Candidates.

1) Answer all the questions
2) Draw the diagrams wherever necessary

L. Answer the following in one word or one sentence each. (15×1 = 15)

1) Resolving power
2) Incineration
3) Sterilization
4) Membrane filters
5) Peptidoglycan
6) Spore
7) Complex media
8) Log phase of growth
9) Thermophile
10) AIDS
11) Facultative anaerobes
12) Lyophilization
13) Pasteurization
14) Pour plating
15) Phenol coefficient test
II. Write short note on any five of the following: (5×5 = 25)

16) Write about simple staining method

17) Write a note on factors affecting growth of microbes.

18) Write about phase contrast microscopy

19) What are the contributions of Alexander Flemming

20) Write about methods of bacterial count

21) Write a note on measles

22) Write about gonorrhoea.

III. Write explanatory note on any four of the following: (4×10 = 40)

23) Explain scanning electron microscopy and add its applications.

24) Give an account on physical methods of sterilization

25) Describe the structure of yeast cell with neat labeled diagram.

26) Describe the grams staining technique for classification of bacteria.

27) Give an account on nutritional requirements of microorganisms

28) Explain malaria with respect to transmission, causes, preventive measures and symptoms.