**Dr. V. S. KRISHNA GOVT. DEGREE COLLEGE (AUTONOMOUS)**

**MADDILAPALEM, VISAKHAPATNAM**

**B. Sc. MICROBIOLOBY (CBCS) FINAL YEAR, SEMESTER – V/VI (W.E.F. 2022-23)**

**COURSE-7A: CLINICAL MICROBIOLOGY**

**Model Paper**

**Max Marks: 75M Time: 3 hours**

**PART – A**

Answer **ALL** the questions. Each question carries 10 Marks: (5 x 10 = 50 Marks)

1 a). Write about the frequency of occurrence of a disease.

 (OR)

1 b) Explain the various process of transmission of disease.

2 a) Discuss the pathogenesis, etiology & laboratory diagnosis of Cholera.

 (OR)

2 b) Discuss the pathogenesis, etiology & laboratory diagnosis of Pneumonia.

3 a) Explain the IMViC test in detail.

 (OR)

3 b) Write down the methods for qualitative determination of antibiotic sensitivity.

4 a) Explain the principle, procedure, and applications of ELSIA.

 (OR)

4 b) Discuss the methods for observation of blood cells.

5 a) Discuss the blood grouping and WIDAL test allutination reactions. about methods of

 determination of antibiotic sensitivity.

 (OR)

5 b) Explain the principle, procedure and applications of ELSIA.

**PART – B**

Answer any **FIVE** questions. Each question carries 4 Marks: (5 x 5 = 25 Marks)

6. Herd immunity

7. Portals of exit

8. UTI

9. Bacteraemia

10. Sugar fermentation tests

11. BT & CT

12. Western blot

13. E-test

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**COURSE-7A: CLINICAL MICROBIOLOGY**

**BLUE PRINT FOR QUESTION PAPER SETTER**

|  |  |  |  |
| --- | --- | --- | --- |
| **Units** | **10 M Questions** | **5 M Questions** | **Marks allotted to the Unit** |
| Unit 1 | 2 | 2 | 30 |
| Unit 2 | 2 | 2 | 30 |
| Unit 3 | 2 | 2 | 30 |
| Unit 4 | 2 | 1 | 25 |
| Unit 5 | 2 | 1 | 25 |
| Total No. of Questions | 10 | 8 | 140 |

**Note:**

1. The question paper setter are requested to kindly adhere to the format given in the above table.

2. The question paper setter are also requested to set the questions in the following way:

a. 70 % of questions – Remembering and Understanding type questions

b. 30 % of questions – Applying, Evaluating, Analyzing and Creating type questions