

M.Sc. (Micro) Semester - 3 (CBCS) Examination**DEC/JAN. - 2020 - [NEW COURSE]****Pharmaceutical and Medical Microbiology (Core (New))****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figure to the right indicate marks.
 2. There are five questions in the question paper.
 3. Answer any three of the following questions.
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Q.1 Answer the following (any seven out of Ten)**14**

1. Define the adjuvants and mention its clinical importance.
2. What is SARS? Give a suitable example.
3. Enlist the diagnostic techniques of salmonella.
4. Explain symptoms of swine flu.
5. What do you mean by killed vaccine? Give a suitable example.
6. Give any two examples of tumor antigens.
7. What is the function of oncogenes?
8. What is multivalent vaccine?
9. Give any two example of DNA vaccine.
10. What do you mean by multidrug resistance?

Q. 2 Answer the following (Any Two)**14**

1. Write a note on pharmacodynamics and explain its importance in preclinical study.
2. Discuss the Pharmacokinetics.
3. Discuss target identification in drug discovery with example.

Q. 3 Answer the following (Any Two)**14**

1. Discuss the Pathogenesis and treatments of Neisseria.
2. Explain disease caused by *Staphylococcus aureus*.
3. Explain epidemiology and treatments of Treponema

Q. 4 Answer the following (Any Two)**14**

1. Write a note on malignant transformation of cell.
2. Discuss immune response against intracellular parasites.
3. Write a note on secondary immunodeficiency.

Q. 5 Answer the following (Any Two)**14**

1. Write a note on recombinant vaccine.
2. Discuss Monoclonal antibodies with its medicinal application.
3. Discuss immunochromatography diagnostic method.
