

[LN 1131]

AUGUST 2018

Sub. Code: 1131

SECOND PROFESSIONAL B.S.M.S. DEGREE EXAMINATION

PAPER VII – NUNNUYIR IYAL (MICROBIOLOGY)

Q.P. Code : 601131

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Describe detailed notes on antigen - antibody reaction and its types.
2. Explain in detail information for opportunistic infections associated with HIV infectious cases.

II. Write Notes on:

(10 x 5 = 50)

1. Describe the antibodies.
2. Explain about the selective and differential media in bacterial cultivation technique.
3. Write a brief note for gases in sterilizing agents and its mode of action.
4. Describe the pathogenic characters of *Mycobacterium tuberculosis*.
5. What are the toxins and enzymes produced by *Streptococcus pyogenes*?
6. Describe the laboratory diagnosis of typhoid fever.
7. Write about brief note on localized autoimmune diseases.
8. Explain about the *Microsporum* in dermatophytic infections.
9. Describe detailed notes on opportunistic mycosis.
10. Write a brief note on infections.

III. Short Answers on:

(10 x 2 = 20)

1. How bacterial capsules were examined?
2. Define pleomorphism.
3. Write about the uses of Elek's gel precipitation test.
4. Write about the morphological characters of *Clostridium tetani*.
5. Give examples of live and heat killed vaccines for bacterial diseases.
6. Explain PUO.
7. Write about Aflatoxin.
8. Write the causative agent for histoplasmosis.
9. Explain plaque assay and pock assay.
10. Write about WIDAL test.
