

**BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY,PUNE-INDIA
MASTER OF SCIENCE (MEDICAL MICROBIOLOGY)**

M. Sc. (Medical Microbiology) :SUMMER- 2022

SUBJECT : PAPER - II

Day : Monday
Date : 4/7/2022

S-793-2022

Time : 01:30 PM-04:30 PM
Max. Marks : 100

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagrams **WHEREVER** necessary.
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Q. 1 Enumerate organisms causing PUO. Describe laboratory diagnosis of typhoid fever. **(15)**

Q. 2 Enumerate organisms causing pyogenic meningitis. Discuss in details laboratory diagnosis of meningococcal meningitis. **(15)**

Q. 3 Write briefly **ANY SEVEN** of the following: **(70)**

- a) Enumerate the various invasive and non-invasive infections caused by Hemophilus influenza. Describe its laboratory diagnosis.
- b) Enumerate organisms causing sexually transmitted diseases. Write in detail serological tests used for the diagnosis of syphilis.
- c) Describe laboratory diagnosis of pulmonary tuberculosis with emphasis on recent methods.
- d) Describe pathogenicity and laboratory diagnosis of Brucellosis.
- e) Enumerate organisms causing gastroenteritis. Discuss laboratory diagnosis of cholera.
- f) Discuss laboratory diagnosis of plague.
- g) Classify Streptococci. Describe pathogenicity and laboratory diagnosis of Streptococcus pyogenes.
- h) Enumerate the organisms causing wound infections. Describe the laboratory diagnosis of Gas gangrene.

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