



Second Year M. B. B. S. Examination

June / July - 2018

Microbiology : Paper - II

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(Systemic Bacteriology, Virology, Mycology & Clinical Microbiology)

Time : 2 Hours]

Instructions :

[Total Marks : 40]

(1)

નીચે ટકાવેલ નિયમોનિયમીતર રીતે વાંચવાથી પર ભલામ ભલામી.
 Follow strictly the details of signs on your answer book.
 Name of the Examination : **S. Y. M. B. B. S.**
 Name of the Subject : **MICROBIOLOGY : PAPER - 2**
 Subject Code No. : **3 7 1 3** Section No. (1, 2, ...): **1&2**

Seat No. :

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Student's Signature : _____

(2) Answer to the point.

(3) Draw diagram wherever necessary.

SECTION - I

- 1 Enumerate causes of Neonatal meningitis. Describe laboratory diagnosis of meningococcal meningitis. 8

OR

- 1 Classify Streptococci. Describe laboratory diagnosis of sore 8
throat and tonsillitis.

- 2** Write short notes on : (Any Three) 12

- Write specific tests for laboratory diagnosis of HIV infection.
- Write prophylaxis of rabies.
- Pathogenesis of viral infections.
- Hepatitis E Virus.



SECTION - II

- 3** Write notes on : (Any Two) **10**
- (a) Aspergillosis.
 - (b) Cryptococcus neoformans.
 - (c) Cutaneous mycosis.
- 4** Write in short : (1-2 sentences) **10**
- (a) Name two opportunistic fungi.
 - (b) Name two anti rabies vaccines.
 - (c) Enumerate two dimorphic fungi.
 - (d) RPR test used for diagnosis of which disease ? Name the antigen used.
 - (e) Differentiate between Neisseria meningitidis and Neisseria gonorrhea.
 - (f) Name one culture medium used for isolation of Leptospira.
 - (g) Name four tests performed on donors blood before transfusion.
 - (h) Give two differences between HIV-1 and HIV-2.
 - (i) Name two DNA viruses.
 - (j) Name two Atypical mycobacteria causing pulmonary disease resembling tuberculosis.
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