

T.Y.B.SC. SEM – V (2014 COURSE) : SUMMER - 2018
SUBJECT: MICROBIOLOGY: MEDICAL MICROBIOLOGY (MB-51)

Day : **Tuesday**
Date : **10/04/2018**

Time: **03.00 PM TO 05.00 PM**
Max. Marks: 40

S-2018-0733

N. B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.

Q. 1 Attempt **ANY TWO** of the following: **(10)**

- a) Explain the 'Western Blot' test for diagnosis of HIV infection.
- b) Justify 'Microbial Infection Imaging' as a novel diagnostic approach.
- c) Enlist the causative agents of malaria and mention the symptoms of the disease.

Q. 2 Discuss the '**Mode of transmission**' and '**Symptoms**' of **ANY TWO** human diseases. **(10)**

- a) Japanese Encephalitis
- b) Herpes
- c) Plague

Q. 3 Write short notes on **ANY TWO** of the following: **(10)**

- a) Ranikhet
- b) Oral Polio Vaccine
- c) R.F.L.P.

Q. 4 Attempt **ANY FIVE** of the following: **(10)**

- a) Give classification of HIV.
- b) Name and media used for cultivation of *Shigella*.
- c) Mention the mode of transmission of 'Poliomyelitis'.
- d) Name the insect vectors for 'Chikungunya'.
- e) Give the etiology of common cold.
- f) Write applications of 'Polymerase Chain Reaction'.
- g) Mention any two comparative points of '16s-r RNA gene sequencing' and 'FISH'.

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