

T.Y.B.SC. SEM – V (2014 Course) : SUMMER - 2019
SUBJECT: MEDICAL MICROBIOLOGY (MB-51)

Day: Monday
Date: 08/04/2019

Time: 12.00 NOON TO 02.00 PM
Max. Marks: 40

S-2019-0992

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

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

- a) Describe 'Microbial Infection Imaging' as a novel diagnostic approach.
- b) Draw a neat labeled diagram of HIV-1 and mention genomic difference between HIV-1 and HIV-2.
- c) Discuss the pathogenesis of 'Poliomyelitis'.

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

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

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

- a) Symptoms of 'Marek's Disease'
- b) Life cycle of *Plasmodium spp.*
- c) RAPD

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

- a) Mention any two diagnostic methods for 'Transmissible spongiform Encephalopathy Agents'.
- b) What are the symptoms of 'Dengue'?
- c) Represent diagrammatically 'Indirect ELISA' for diagnosis of HIV infection.
- d) Enlist causative agents of 'Mastitis'.
- e) Differentiate between 'Amoebiasis' and 'Bacillary dysentery'.
- f) Draw a neat labeled diagram of 'Rabies Virus'.
- g) Give an outline of 16s-r RNA gene sequencing.

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