

**Madhya Pradesh Medical Science University,
Jabalpur
MBBS Second Professional Examination 2019
(March)
Subject- Microbiology
Paper- II**

Time: 3:00 Hours

Maximum Marks:50

Instructions:

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

Q1. Long Answer questions

2 X 10 = 20

a. Discuss the morphology, transmission & pathogenicity of Human immunodeficiency virus.

Comment on immunopathology of AIDS.

b. Discuss the morphology, life cycle & pathogenicity of *Toxoplasma gondii*. Add a note on Toxoplasmosis.

Q2. Short Answer Questions

$$4 \times 5 = 20$$

C. Discuss heterophile agglutination reaction with suitable examples.

d. Rabies prophylaxis.

e. Pathogenesis of malignant tertian malaria.

f. Laboratory diagnosis of infections caused by dermatophytes.

Q3. Very Short Answer Questions

$$1 \times 10 = 10$$

a. Enumerate geohelminths.

b. Classify Herpesviruses.

C. Name vector of JBEV.

d. Enumerate oncogenic viruses.

e. Make a well labelled diagram to show structure of influenza virus.

f. Make a well labelled diagram to show structure of Microfilaria.

g. Name the causative organisms of small pox, chicken pox & swine flu.

h. Enumerate diseases caused by *Cryptosporidium parvum*.

i. Enumerate complications of HBV infections.

j. Make a well labelled diagram to show structure of Hydatid cyst.
