

**M.D. DEGREE EXAMINATION**  
**BRANCH IV – MICROBIOLOGY**  
**PAPER III – VIROLOGY AND PARASITOLOGY**

*Q.P. Code: 202016*

**Time: Three Hours**

**Maximum: 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Discuss the laboratory diagnosis of swine flu. Add a note on pandemic preparedness program. Write about flu vaccines.
2. Discuss the laboratory diagnosis and treatment of extra intestinal amoebiasis.

**II. Short notes:**

**(10 x 5 = 50)**

1. PEG- Interferons.
2. Plasmodium knowlesi.
3. Strongyloidiasis in immune-competent and immune-compromised patients.
4. HIV vaccines.
5. Preservation of stool specimens in parasitology.
6. Concentration techniques in diagnosis of haemo parasites.
7. Varicella zoster.
8. Hanta virus.
9. Vaccinia necrosum and eczema vaccinatum.
10. Uses of light microscopy in virology.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. Disposal of the body of HIV positive person died in road traffic accident should follow protocol.
2. Artemisin resistant Plasmodium falciparum malaria.
3. Saline preparation of stool for parasites gives only preliminary reports.
4. Hepatitis C virus outbreak in haemodialysis unit is preventable.

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