

The West Bengal University of Health Sciences
MBBS 2nd Professional Examination (Old Regulation) September 2022

Subject : Microbiology

Full Marks : 40

Paper : II

Time : 2 hours

Attempt all questions. The figures in the margin indicate full marks.

1. a) A 36 year old man attended OPD with vomiting anorexia, malaise and yellowish discolouration of skin. He had an emergency operation following a road traffic accident 6 months back which required 2 units of blood transfusion.

- i) What may be the most probable diagnosis ?
- ii) Name the viral agents responsible for the condition ?
- iii) How will you proceed to confirm the diagnosis in the laboratory ?
- iv) What are the vaccines available for prevention of the disease person suffering from.

1+1+6+2

Or

- b) A 10year old boy has been brought to OPD severe anaemia and weakness. What is the most common parasite responsible for the clinical condition ? Discuss the pathogenesis of anaemia. Write briefly laboratory diagnosis of this case.

1+3+6

2. Write short notes on **any three** of the following:

3 x 4

- a) Occult filariasis.
- b) Extraintestinal amoebiasis.
- c) Polio vaccines.
- d) Dimorphic fungi.

3. Comments on **any three** of the following:

3 x 4

- a) Hookworm infection can lead to anemia.
- b) Fungi can be classified in different ways.
- c) Viruses may lead to malignancy.
- d) Inclusion bodies can help in the diagnosis of some viral infections.

4. Differentiate between the following:

3 x 2

- a) Platyhelminthes and Nematelminthes.
- b) Dermatophytosis and dermatomycosis.
- c) Entamoeba histolytica and Entamoeba coli.