

The West Bengal University of Health Sciences
MBBS 2nd Professional Examination, March 2021

Subject: Microbiology
Paper: II

Full Marks: 40
Time: 2 hours

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

- 1) a) A middle aged male patient came to the OPD with history of frequent passage of stool, mixed with mucus and blood . 3+6+1
- i) What are the protozoa responsible for it?
- ii) Discuss the laboratory diagnosis of the condition.
- iii) Write in brief about two prevention.
- Or*
- b) A 10 years old thalassemic boy with history of multiple blood transfusion developed jaundice with fever for last 7 days.
- i) What is the most probable diagnosis?
- ii) What are the most probable causative agents ?
- iii) What laboratory investigation will you perform to confirm the disease.
- iv) What are the vaccines available for prevention of the disease ? 1+2+5+2
- 2) Write short notes on **any three of** the following: 3 x 4
- a) Hydatid cyst.
- b) LD body.
- c) Epidemiology of Japanese encephalitis.
- d) Diagnosis of plasmodium falciparum.
- 3) Comments on **any three** the following: 3 x 4
- a) Infection of Taenia solium is more dangerous than the infection of Taenia Saginata.
- b) Fungal meningitis can be diagnose rapidly.
- c) The pathogenesis of lymphatic filariasis is multifactorial.
- d) SDA is said to be a selective medium for fungal growth.
- 4) Differentiate between the following: 3 x 2
- a) Fertilized and unfertilized ova of ascaris lumbricoides.
- b) Amastigote and Promastigote form of Leishmania donovani.
- c) Oral and Inactivated polio vaccine.