

BSN 125 : Medical Virology and Parasitology

EXAMS 2023 FOR PRE-SERVICE AND IN-SERVICE GROUPS

SECTION A: MCQ

1. The specimen for the diagnosis of trichomoniasis in female is:

- A. Urine
- B. Lymph node biopsy
- C. Vaginal discharges
- D. Cervical biopsy

CORRECT ANSWER: C

2. The stool of the patient infected with this parasite is described as steatorrheic or gruelly

- A. *Isospora belli*
- B. *Cryptosporidium hominis*
- C. *Entamoeba histolytica*
- D. *Giardia lamblia*

CORRECT ANSWER: D

3. Flask shaped ulcers in the large intestine is associated with

- A. *Giardia lamblia*
- B. *Ancylostoma duodenale*
- C. *Entamoeba histolytica*
- D. *Trichuris trichura*

CORRECT ANSWER: C

4. The usual infective stage of trematodes to man is the

- A. Cercariae
- B. Cyst
- C. Metacercariae
- D. Sporozoite

CORRECT ANSWER: C

5. What parasite whose migrating larvae break the pulmonary capillaries of man?

- A. *Ancylostoma braziliense*
- B. *Ascaris lumbricoides*
- C. *Enterobius vermicularis*
- D. *Trichuris trichiura*

CORRECT ANSWER: B

6. The infective stage of *Schistosoma* to man is:

- A. Cercariae
- B. Embryonated egg
- C. Metacercariae
- D. Miracidium

CORRECT ANSWER: A

7. Obstructive uropathy is associated with infection of the following parasite

- A. *Schistosoma haematobium*
- B. *Schistosoma japonicum*
- C. *Schistosoma mansoni*
- D. *Schistosoma mekongi*

CORRECT ANSWER: A

8. Which one of the following parasites is associated with microcephaly?

- A. *Plasmodium falciparum*
- B. *Toxoplasma gondii*
- C. *Trypanosoma brucei rhodesiense*
- D. *Leishmania donovani*

CORRECT ANSWER: B

9. Perianal itching is associated with the following parasites:

- A. *Strongyloides stercoralis*
- B. *Enterobius vermicularis*
- C. *Trichuris trichura*
- D. *Schistosoma mansoni*

CORRECT ANSWER: B

10. This parasite can be transmitted transplacentally:

- A. *Entamoeba histolytica*
- B. *Plasmodium falciparum*
- C. *Loa loa*
- D. *Echinococcus granulosus*

CORRECT ANSWER: B

11. Which of these drugs is recommended for the treatment of onchocerciasis?

- A. Oxamniquine
- B. Praziquantel
- C. Diethylcarbamazine (DEC)
- D. Ivermectin

CORRECT ANSWER: D

12. Concerning *Loa loa*, the following statement is true?

- A. Causes blindness
- B. Infection is found in West Africa and Central America
- C. Diethyl carbamazine (DEC) is the drug of choice in treating the infection
- D. Chrysops are the vectors of the parasite

CORRECT ANSWER: D

13. Use of latrines for disposal of human feces is useful in prevention of transmission of the following parasites?

- A. *Onchocerca volvulus*
- B. *Balantidium coli*
- C. *Toxoplasma gondii*
- D. *Echinococcus granulosus*

CORRECT ANSWER: B

14. The following parasitic infection is associated with megaloblastic anaemia: -

- A. *Echinococcus granulosus*
- B. *Taenia solium*
- C. *Taenia saginata*
- D. *Diphyllobothrium latum*

CORRECT ANSWER: D

15. Winter bottom sign is associated with infection by the following parasite: -

- A. *Leishmania donovani*
- B. *Wuchereria bancrofti*
- C. *Trypanosoma brucei gambiensei*
- D. *Trypanosoma cruzi*

CORRECT ANSWER: C

16. Retroviruses belong to which group in Baltimore virus classification system?

- A. Group 3
- B. Group 7
- C. Group 5
- D. Group 6

Correct response: D

17. Vaccine is used in the following viral hepatitis **EXCEPT**?

- A. Hepatitis A
- B. Hepatitis B
- C. Hepatitis C
- D. Hepatitis E

Correct response: C

18. Hepatitis C virus is classified under the following family?

- A. *Picornaviridae*
- B. *Hepadnaviridae*
- C. *Flaviviridae*
- D. *Filoviridae*

Correct response: C

19. An example of an RNA virus

- A. Influenza A
- B. Herpes
- C. Hepatitis B
- D. Adenovirus

ANSWER: A

20. One mode of transmission of rabies
- A. Contact with cat faeces
 - B. Mosquito bite
 - C. Contact with dog saliva
 - D. Contact with blood of an infected patient
- ANSWER: C

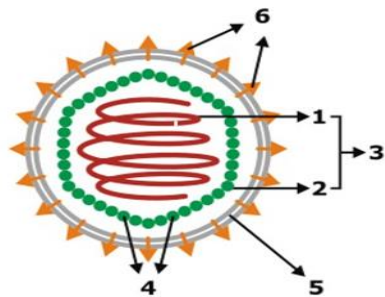
SECTION 2: SHORT ANSWER QUESTIONS 30 MARKS (5 marks each)

1. List 5 different ways through which parasitic nematodes may be transmitted to humans and give a specific example of a parasite for each
2. Describe 5 different control and prevention strategies for the control of gastrointestinal helminth infections
3. Mention 5 complications associated with severe *Plasmodium falciparum* infection
4. Describe 5 clinical features due to infection with *Wuchereria bancrofti*
5. Explain the different modes of transmission of viruses
6. Write short notes on Hepatitis B virus (HBV) under the following sub-headings:
 - a) Transmission (1 mark)
 - b) Pathogenesis and clinical manifestation (2 marks)
 - c) HBV antibody immune response (2 marks)

SPOT EXAM: ATTACHED PPT 20 SPOTS

SPOT

Name the part labelled 3



- A. Genome
- B. Envelope
- C. Nucleocapsid
- D. Capsomeres

ANSWER: C