

**IMPORTANT & FORMATIVE
MCQ ON
PARASITOLOGY
REPRODUCTIVE**

1. **Toxoplasma oocyst contains sporozoites.**
 - A) 2
 - B) 4
 - C) 6
 - D) 8
 - E) 10

2. **During the acute stage of toxoplasmosis, which cells are targeted?**
 - A) RECs
 - B) RBCs
 - C) Platelets
 - D) Sertoli cells
 - E) Melanocytes

3. **The definitive host of Toxoplasma gondii is.....**
 - A) Man
 - B) Mouse
 - C) Cat
 - D) pigs
 - E) birds

4. **The infection outcome in toxoplasmosis depends on the.....of the patient**
 - A) Age
 - B) Immune status
 - C) Gender
 - D) Race
 - E) Body weight

5. **Toxoplasma is transmitted through the following modes except :**
 - A) Contact with stool of infected cats
 - B) ingestion of raw or undercooked contaminated meat
 - C) Accidental infection in the laboratory
 - D) Transplacental
 - E) Mosquito bite

6. **The following parasite could affect Newborn during labour :**
 - A) Giardia lamblia
 - B) Entamoeba histolytica
 - C) Trichomonas
 - D) Cysticercosis
 - E) Hydatidosis

7. **The mode of transmission of Trichomonas includes:**
 - A) sexual transmission
 - B) inhalation
 - C) ingestion
 - D) mechanical transmiseion by vectors
 - E) intranasal

8. **The infective stage of Trichomonas is :**
- A) Oocyst
 - B) Trophozoite
 - C) cyst
 - D) Trophozoite and cyst
 - E) Promastigote
9. **Which organism is likely to Cause leucorrhoea in females**
- A) Naegleria
 - B) E. histolytica
 - C) Trichomonas
 - D) Plasmodium
 - E) toxoplasma
10. **The main pathological factor in trichomoniasis is**
- A) Cytopathic dependant factor
 - B) Phagocytosis
 - C) Demyelination
 - D) Calcium deposition
 - E) Blood haemolysis
11. **A pregnant female complained of vaginal itching and burning sensation with profuse and offensive discharge. Gynecological examination revealed redness, oedma, and strawberry-like vaginal mucosa. What is the possible diagnosis of this condition?**
- A) Schistosomiasis
 - B) trichomoniasis
 - C) Giardiasis
 - D) Cysticercosis
 - E) Malaria infection
12. **What type of Plasmodium spp cause Congenital infection ?**
- a) Plasmodium vivax
 - b) Plasmodium Ovale
 - c) Plasmodium malarie
 - d) Plasmodium falciparum
 - e) Plasmodium avium
13. **In congenital Plasmodium infection, the infective stage for the fetus is?**
- a) Sporozoite
 - b) Merozoite
 - c) Gametocyte
 - d) Hypnozoite
 - e) Oocyst
14. **Vaginal, urinary tract, nasal and respiratory infections occur in newborn infected with which parasite of the following?**
- a) Congenital Chagas disease
 - b) Plasmodium spp.
 - c) Congenital Toxoplasmosis
 - d) Trichomonas vaginalis
 - e) African trypanosomes

15. Sabin-feldman dye test is used in diagnosis of which parasite of the following

- a) Congenital Chagas disease
- b) Plasmodium spp.
- c) Toxoplasmosis
- d) Trichomonas vaginalis
- e) African trypanosomes

16. Which of the following is the infective stage to man in the life cycle of toxoplasma ?

- a) Tachyzoite
- b) Pseudocyst
- c) True tissue cyst
- d) Oocyst
- e) All of the above

17. All the following are modes on infection in the life cycle of toxoplasma EXCEPT ?

- a) Inhalation of mature oocysts.
- b) Blood transfusion.
- c) Skin penetration by the larva
- d) Organ transplantation.
- e) Transplacental route.

24 years old female patient was admitted to outpatient clinic at 15th week of her pregnancy on account of afebrile illness, headache, enlargement of lymph nodes & symptoms of common cold. patient was given a one-week course of cefixime with Co-amoxiclav but remained symptomatic despite receiving treatment. Toxoplasma serological test, IgM, was found to be strongly positive by ELISA. Amniotic fluid was positive by PCR for Toxoplasma DNA. The patient was given a course of spiramycin at a dose of 1 g orally, every 8 hours.

18. Which disease could affect the baby?

- a) Congenital Chagas disease
- b) Plasmodium spp.
- c) Congenital Toxoplasmosis
- d) Trichomonas vaginalis
- e) African trypanosomes

19. Name the antibody that will be detected in baby's serum to confirm his infection.

- a) 7GA
- b) IgG
- c) IgM
- d) IgG
- e) IgD

20. What is the drug of choice to treat the baby.

- a) Cortisol only
- b) Pyrimethamine and sulfadiazine with folinic acid
- c) Metronidazole
- d) Albendazole
- e) Hetrazan

21. The most common site for *Toxoplasma* cyst is:
- Eye
 - Brain
 - Skeletal muscle
 - Cardiac muscle
22. Oocyst of *Toxoplasma* (disporocystic tetrazoic) is found in
- Human tissues
 - The brain of chronic patients
 - Faeces of infected cat
 - Muscles of cattles
23. Sabin-feldman dye test is positive when the organisms are:
- Deep blue stained
 - Rounded in shape
 - Completely unstained
 - Pale blue stained
24. Pork borne infection occurs with:
- Trichomonas vaginalis*
 - Plasmodium falciparum*
 - Wuchereria bancrofti*
 - Schistosoma haematobium*
 - Toxoplasma gondii*
25. A new born boy was referred to neonatal intensive care unit, 15 hours after birth, presented with fever and lymphadenopathy. During pregnancy his mother was treated with spiramycin. What is the most likely transmitted organism:
- Toxoplasma gondii*
 - Trypanosoma cruzi*
 - Leishmania donovani*
 - Plasmodium falciparum*
26. Parasite which causes congenital anomalies is:
- Schistosoma japonicum*
 - Schistosoma mansoni*
 - Onchocerca volvulus*
 - Toxoplasma gondii*
 - Entamoeba histolytica*
27. Congenital parasitic infection include all the following Except ?
- Toxoplasma gondii*
 - Wuchereria bancrofti*
 - Trypanosoma cruzi*.
 - Trichomonas vaginalis*
 - African trypanosomes

28. The infective stage of *Phthirus pubis* is which of the following
- Adult insect
 - Encysted metacercaria
 - Trophozoite
 - Egg
 - Furcocercus cercariae*
29. The best treatment for *Trichomonas vaginalis* is which of the following:
- Metronidazole
 - Ivermectin
 - Mebendazole
 - Praziquantel
 - None of the above
30. A 70 years old farmer used to irrigate his land from the Nile water, he suffers haemospermia with eggs in semen, dysuria & Infertility, The most likely diagnosis of this man is :
- Trichomoniasis
 - Pubic Lice
 - Scabies
 - Genital Schistosomes
 - Enterobius vermicularis*
31. A 24 years old man has severe itching during night, the affected skin show erythema, dermatitis, and vesicles, on demonstration of skin biopsy, An insect with eight legs is found, This insect is most likely is:
- Trichomonas hominis*
 - Pulex irritans*
 - Phthirus pubis*
 - Sarcoptes scabiei*
 - Retartomonas hominis*
32. Protozoa causing leucorrhea is
- Entamoeba histolytica*
 - Trichomonas hominis*
 - Trichomonas tenax*
 - Trichomonas vaginalis*
33. The protozoon with trophozoite stage only is :
- Giardia lamblia*
 - Toxoplasma gondii*
 - Trichomonas vaginalis*
 - Entamoeba histolytica*
 - Acanthamoeba castellanii*
34. In trichomoniasis :
- Trichomonas hominis* is the most pathogenic for human
 - Trichomonas hominis* inhabits the distal part of small intestine
 - Trichomonas vaginalis* is transmitted sexually
 - No morphological differences between *T. hominis* and *T. vaginalis*

35. *Trichomonas vaginalis* may inhibit

- a) The small intestine
- b) The large intestine
- c) The prostate
- d) Stomach

36. Sexually transmitted parasite is:

- a) *Toxoplasma gondii*
- b) *Trichinella spiralis*
- c) *Taenia Saginata*
- d) *Trichomonas vaginalis*
- e) *Taenia solium*

37. The best treatment for Schistosomes is which of the following:

- a) Metronidazole
- b) Ivermectin
- c) Mebendazole
- d) Praziquantel
- e) None of the above

38. Infective stage of *Trichomonas vaginalis* is:

- a) Quadrinucleated cyst
- b) Binucleated cyst
- c) Uninucleated cyst
- d) Trophozoite
- e) Mature oocyst

39. The best treatment for *Enterobius vermicularis* is which of the following:

- a) Metronidazole
- b) Ivermectin
- c) Mebendazole
- d) Praziquantel
- e) None of the above

40. The protozoon transmitted mainly by sexual contact is

- a) *Trichomonas hominis*
- b) *Chilomastix mesnii*
- c) *Trichomonas vaginalis*
- d) *Retartomonas hominis*

41. The suitable media for *Trichomonas vaginalis* is :

- a) Robinson media
- b) Diamond media
- c) Non nutrient agar
- d) Egg embryo.
- e) CLED media

42. The best treatment for Phthirus pubis is which of the following:

- a) Metronidazole
- b) Ivermectin
- c) Mebendazole
- d) Praziquantel
- e) None of the above

43. The best treatment for Scabies is which of the following:

- a) Metronidazole
- b) Ivermectin
- c) Mebendazole
- d) Praziquantel
- e) None of the above

44. The infective stage of Schistosomes is which of the following:

- a) Adult insect
- b) Encysted metacercaria
- c) Trophozoite
- d) Egg
- e) Furcocercus cercariae

45. The infective stage of Enterobius vermicularis is which of the following:

- a) Adult insect
- b) Encysted metacercaria
- c) Trophozoite
- d) Egg
- e) Furcocercus cercariae

46. A 28 years-old female came to the hospital clinic and complained of profuse vaginal leucorrhoeic discharge and burning sensation. Gynecological examination revealed red oedematous vaginal mucosa, Laboratory microscopic examination of the vaginal discharge revealed multiple flagellated organisms. What is the most probable diagnosis of this condition?

- a. Schistosomiasis
- b. Trichomoniasis
- c. Giardiasis
- d. Enterobiasis
- e. Malaria

47. Woman complains of vaginal discharge & itching of vulva. Causative organism is:

- a) Trichinella spiralis
- b) Strongyloides stercoralis
- c) Trichomonas vaginalis
- d) Taenia saginata
- c) Taenia solium,

48. Trichomonas vaginalis has

- a) Two nuclei
- b) Cilia
- c) Prominent parabasal body
- d) Cyst stage

49. The infective stage of Scabies is which of the following

- a) Adult insect
- b) Encysted metacercaria
- c) Trophozoite
- d) Egg
- e) Furcocercus cercariae

ANSWERS							
1.	D	14.	D	27.	B	40.	C
2.	A	15.	C	28.	A	41.	B
3.	C	16.	E	29.	A	42.	B
4.	B	17.	C	30.	D	43.	B
5.	E	18.	C	31.	D	44.	E
6.	C	19.	C	32.	D	45.	D
7.	A	20.	B	33.	C	46.	B
8.	B	21.	B	34.	C	47.	C
9.	C	22.	C	35.	C	48.	C
10.	A	23.	C	36.	C	49.	A
11.	B	24.	E	37.	D		
12.	D	25.	A	38.	D		
13.	B	26.	D	39.	C		