



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**DEPARTMENT OF MICROBIOLOGY**  
**SECOND SEMESTER EXAMINATION 2018/2019 SESSION**  
**MCB 526 MEDICAL PARASITOLOGY (3 CREDIT UNITS)**

**INSTRUCTION: Answer any five questions      TIME: 2hours 30 Minutes**

- 1(a). Name four characteristics that are important in parasitism.
- 1(b). Give one example each of the following:
  - (i) Endoparasite
  - (ii) Ectoparasite
  - (iii) Blood flagellate
  - (iv) Urogenital flagellate
  - (v) Lung parasite
  - (vi) Liver parasite
  - (vii) Dog tapeworm
  - (viii) Tissue protozoa
  - (ix) Intracellular blood protozoa
- 1(c). Describe the procedure for Giemsa staining for a thin blood film
2. Name four filarial worms and describe the life cycle of any of them
- 3(a). Describe the developmental stages of the order Kinetoplastida. Use diagrams to illustrate
- 3(b). Why is malaria an important disease in tropical Africa?
- 4(a). Using appropriate diagrams, illustrate the diagnostic features of the following parasites:
  - (i) *Plasmodium falciparum*
  - (ii) *Entamoeba histolytica*
  - (iii) *Trypanosoma gambiense*
  - (iv) *Trichomonas vaginalis*
  - (v) *Leishmania donovani*
- 4(b). Discuss how parasitic infections can be controlled through environmental sanitation (Be specific).
5. Describe the general life cycle of the Trematodes.

6. Discuss the host and parasite factors that influence the infection of a named parasite
  
7. Write short essays on the following:
  - i. Larva migrans
  - ii. Backyard TRIAD
  - iii. Giardia lamblia