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MEDICAL LABORATORY TECHNICIAN

Job Role : Medical Laboratory Technician

Paper : MLT-VC-4016/MDT-VC-4016

(Microbiology III)

Full Marks : 60

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

- 1.** Fill in the blanks : 1×7=7
- (a) Infection with *Balantidium coli* is called _____.
 - (b) _____ parasites are capable of living freely.
 - (c) _____ is a parasite that has a direct life cycle.
 - (d) _____ is bullet shaped virus.
 - (e) Chyluria is seen in _____ infection (parasitic).

- (f) _____ organ is mostly involved in extra-intestinal amoebiasis.
- (g) _____ causes cerebral malaria.

- 2.** Answer the following questions : 2×4=8

- (a) What are the complications of *Plasmodium falciparum* infection?
- (b) Name the hookworms.
- (c) Which hepatitis viruses are vaccine preventable?
- (d) Mention the importance of thick blood smear.

- 3.** Answer any *three* of the following questions : 5×3=15

- (a) How does rabies progress in the human being?
- (b) Explain briefly about different modes of transmission of parasites in human.
- (c) Write a note on 'filariasis'.
- (d) Are 'HIV' and 'AIDS' same? Explain briefly.
- (e) Compare briefly about the saline preparation and iodine preparation for stool examination.

(3)

4. Answer any *three* of the following questions :
10×3=30

- (a) Name the beef tapeworm. Write in detail about the clinical significance of beef tapeworm. Give a comparison of beef tapeworm and pork tapeworm.
1+3+6=10
- (b) Write in detail about the morphology, transmission, life cycle, clinical significance and laboratory diagnosis of *Plasmodium falciparum*. 10
- (c) Write some characteristics of protozoa. Explain in detail about *Entamoeba histolytica*. 2+8=10
- (d) Write in detail about the causative agent for poliomyelitis. 10
- (e) Write in detail about the quality assurance in parasitology. 10

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