## BV (4/CBCS)MLT/MDT-VC 1

### Answer include 41202 ions:

# MEDICAL LABORATORY TECHNICIAN/ MEDICAL LAB AND MOLECULAR DIAGNOSTIC TECHNOLOGY

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

# ( Microbiology—III )

gnivolol on Full Marks : 60 your 1500 th

Time: 3 hours

The figures in the margin indicate full marks for the questions

1. Fill	in the blanks: The little of skyrous 1×7=7
(ω)	is one of the largest nematode
(b)	In malaria is the vector.
(c)	All are pathogenic free-living amoeba  except  The protein cost of i
(d)	The protein coat of viruses that enclose the genetic material is called
08-8 <b>(e)</b>	
	Disease produce by Leishmania donovani is called
(g) 01=0+1	The presence of blood and mucus in the faeces is called

2×4=8

2. Answer the following questions:

2×4≈8

- (a) Classify the helminths.
- (b) Write down the general properties of viruses.
- (c) Write the pathogenesis of Entamoeba histolytica.
- (d) Write the names of intestinal nematodes.
- 3. Answer any three from the following questions: 5×3=15
  - (a) Give a brief description about host-parasite relationship.
  - (b) Justify how 'HIV' causes 'AIDS'.
  - (c) What do you mean by encystation and excystation of protozoa?
  - (d) Define acute dysentery. Write the life cycle and pathogenesis of Balantidium coli.
  - (e) Mention the importance of thick blood sear.

    smear.

    the protein cost of viruses size called the general material is called the protein of the called the called
- 4. Answer the following questions:  $10\times3=30$ 
  - (a) What do you mean by visceral leishmaniasis? Write in detail about morphology, life cycle, clinical significance and laboratory diagnosis of Kala Azar.

### Or

What is parasite? Classify the types of parasite with example and source of infection.

1+5+4=10

(b) Write the classification and general characteristic of Picorna viruses. Give a brief description about morphology, pathogenesis and laboratory diagnosis of polio virus.

2+2+6=10

### Or

Write about the description and pathology of disease caused by intestinal flagellate.

Why is concentration technique important for faecal parasite? Mention the steps in zinc sulphate floatation technique.

4+6=10

### Or

What do you mean by filariasis? Name the causative agents of filariasis. Enumerate the life cyle of malarial parasite.