BV(4/CBCS) MDT/MLT-VC-4016/23

2023

MEDICAL LABORATORY AND MOLECULAR DIAGNOSTIC TECHNOLOGY/MEDICAL LABORATORY TECHNICIAN

QP: Medical Laboratory Technician

Paper: MDT/MLT-VC-4016

rol service and evidence of the land of th

Full Marks: 60

Time: 3 hours

The figures in the margin indicate full marks

(171)	in the blanks: $1 \times 7 = 7$
(a)	The pH of stools in amoebic dysentery is
ZI-LTE	in the state of from (b)
(b)	at midnight.
(c)	Swine influenza is a respiratory disease of animal.

A23/542

(Turn Over)

	(d)	HIV attacks — cell in the immune system.
, £	(e) (f) (g)	mosquito spreads dengue. Roundworm is also known as Fertilized ovum without the albuminous coat is referred to as
2.	Ans	wer the following questions: 2×4 >8
	(a)	What do you mean by direct life cycle and indirect life cycle?
	(b)	Write down the preventive measures for dengue fever.
	· (c)	Write down the general characteristics of hookworms.
		What is the advantage of iodine preparation over saline preparation for stool examination?
3.	Answ	ver any three of the following questions:
	(a)	Classify protozoa and helminths of Which pare is
	(b) 1	Which pare i

(b) Which parasite causes balantidiasis? A23/542

lamina ___

- (c) Enumerate the difference between amoebic and bacillary dysentery.
- (d) Write down the pathogenicity and clinical significance of the H₁N₁ virus.

2+3=5

- Write a note on the types and symptoms (e) of poliomyelitis. 3+2=5
- Answer any three of the following questions: 10×3=30
 - What is (a) the causative agent ascariasis? Mention its transmission and life cycle, clinical significance and laboratory diagnosis. 1+4+2+3=10
 - (b) Enumerate the various species of Plasmodium. Discuss the pathogenicity and complications of malaria caused by 6+2+2=10 Plasmodium falciparum.
 - Write in detail about the morphology, (c) transmission, life · cycle, clinical significance and laboratory diagnosis of the pork tapeworm. 1+2+3+2+2=10
 - What are the types and symptoms of (d) viruses? What is influenza difference between antigenic shift and antigenic drift? 5+5=10

A23/542 JUM TOM (2080) WE (Turn Over.)

(e) Describe the morphology of the amastigote and promastigote forms of Leishmania donovani. Discuss the pathogenicity and laboratory diagnosis of leishmaniasis.

4+2+4=10

(e) Write a note on the types and sympton 3:

Hower any three of the following continued and the content of the