

2008

M.Sc.

3rd Semester Examination

BIO-MEDICAL LABORATORY SCIENCE & MANAGEMENT

PAPER—X (Unit-20)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Module-I

(Diagnostic Parasitology)

1. Answer any five of the following : 1×5
- (a) What are the different terms of *P. falciparum* found in peripheral blood smear ?
 - (b) Name one blood flagellate.
 - (c) Name one helminth that may cause career.
 - (d) Name causative organism of Malaysia filariasis.
 - (e) Name one obligatory parasite.
 - (f) Who is the definitive host of malaria ?

(Turn Over)

- (g) Name causative organism of toxoplasmosis.
 (h) Name one nonpathogenic intestinal amoeba.

2. (a) What are soil transmitted nematodes?
 (b) How can you diagnose *Trichomonas vaginalis* infection?
 (c) How many nuclei are there in a cyst of *G. intestinalis*?

3+4+1

Or

- (a) Describe the morphology of an LD body.
 (b) How transmission of *Wuchereria baneroffi* occurs?
 (c) Name a parasite that causes eruption.

3+4+1

3. (a) How would you draw a thick blood film?
 (b) Describe the morphology of *Taenia solium*.

2+5

Or

- (a) Write a short note on TORCH
 (b) What are the characteristic features of a helminth?

2+5

Module-II**(Clinical Mycology)**

4. Answer any five of the following : 1×5
- (a) Name two organisms responsible for causing mycotic Keratitis.
 - (b) Why antifungal treatment is generally applied at superficial surface ?
 - (c) How Molds differs from yeasts ?
 - (d) Name one skin commercial fungi.
 - (e) What are opportunistic fungi ?
 - (f) Name two antifungal antibiotic.
 - (g) Mention the importance of *Aspergillus fumigatus*.
 - (h) Name one fungus that has been transmitted from animal to human.
5. (a) What are the pathogens responsible for causing ringworm disease ?
- (b) Mention the laboratory diagnostic procedures of this disease. 3+5

Or

Write short notes on : 2×4

- (a) Tinea nigra
- (b) Cryptococcosis

6. Write down the pathogenesis and treatment of Coccidioidomycosis. 4+3

Or

Name one fungal disease that spreads through the droppings of birds and bats.

What is the laboratory diagnostic process of such disease?

Mention its treatment.

1+4+2
