

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – ZOOLOGY

FOURTH SEMESTER – APRIL 2010

ZO 4955 - MEDICAL LAB TECHNOLOGY

Date & Time: 22/04/2010 / 9:00 - 12:00 Dept. No.

Max. : 100 Marks

PART – A

Answer **ALL** the questions.

10 x 2 = 20 Marks

1. Expand the abbreviations: BCG, DPT, QC and QA.
2. What is Poliomyelitis? How is it caused?
3. What is a vector? Give an example.
4. What are the different shapes of bacteria?
5. Differentiate infection from infestation.
6. Distinguish amoebiasis from Hydatid cyst.
7. Differentiate inoculative from contaminative mode of infection.
8. Distinguish hepatitis A from Hepatitis B.
9. What are the symptoms of cholera?
10. What is hCG?

PART – B

Answer any **FOUR** questions.

4 x 10 = 40 Marks

11. Describe the life cycle of *Taenia solium* with diagrams.
12. Give an account of any four air borne bacterial infections of man.
13. Give an account of medical ethics.
14. Give an account of salient features of urine sample.
15. Explain briefly any four contact borne diseases of man.
16. Describe the life cycle of *Entamoeba histolytica* with diagrams.

PART – C

Answer any **TWO** questions.

2 x 20 = 40 Marks

17. Write an essay on ABO blood grouping and Rh typing in man.
18. Give an account on differential count with the normal values and suitable diagrams.
19. Discuss the salient features, pathogenicity of any four nematode parasites of man.
20. a) Explain the method for estimation of blood sugar in man. b) give the normal value.
c) Distinguish IDDM from NIDDM with the help of GTT graph.
