

COURSE CODE - 4060506
DIPLOMA EXAMINATION – JAN 2009
DMLT

LAB INSTRUMENTS & ETHICS
(For Candidate Admitted from Calendar 2007 Onwards)

Time: 3 Hours

Max.Marks:75

Section-A

Answer all the Questions:

15 X 1 = 15

1. Mention some important laboratory equipments
2. What is the advantage of incubator?
3. Why is oven used in laboratory
4. Centrifuge
5. What is densitometry?
6. What is the main use of disposable syringe?
7. What is the use of glucometer?
8. mention different blood groups.
9. What is the use of photo colorimeter
10. What are the uses of hematology counter?
11. narrate some of the ethical issues in laboratory
12. What is the SI unit used to indicate length of a specimen
13. What is coagulametry
14. What is the use of electrolyte analysis?
15. What is the use of spectrophotometer?

Section-B

Answer any five Questions:

5 X 6 = 30

16. a) Write short notes on a. Reagents b. Glassware c. ELISA kit

(Or)

b) What is serum auto analysis? Explain with the help of neat sketches

17. a) What are the software's used in laboratory explain any one of them in detail

(Or)

b) Explain the working of electronic transformer with the help of a neat diagram

18. a) How ill you do pregnancy test? What are the kits used?

(Or)

b) Explain any one of bio chemical tests.

19. a) Explain the role of medical lab technician

(Or)

b) How will you use quality control procedures in your lab findings

20. a) How will you organize the laboratory effectively

(Or)

b) How will you collect specimen? Explain any one method in detail

Section -C

Answer any two Questions:

2 X 15 = 30

21. Explain with the help of neat sketches the working of microscope used in laboratory
22. Explain the working of any one types of sterilization equipments
23. What do you mean by sero immunology? Explain with suitable illustrations
24. Discuss the various safety regulation to be followed in the laboratory
25. How will you prepare clinical lab records? Explain