

2011

M.Sc.

1st Semester Examination

BIO-MEDICAL LABORATORY SCIENCE AND MANAGEMENT

PAPER—102 (UNIT—III)

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.

Answer all questions.

Module—I

(Laboratory Ethics)

[Marks : 20]

1. Answer any *five* of the following :

1×5

(a) Write the full form of GLP.

- (b) Define Laboratory ethics.
 - (c) Write any one importance about responsibility of technologist in Laboratory medicine.
 - (d) Write the importance of proper sample collection from the view of Laboratory ethics.
 - (e) What do you mean by sample analysis?
 - (f) What do you mean by medical surveillance?
 - (g) What do you mean by integrity in Laboratory medicine?
 - (h) Write any two rules of ISO for laboratory medicine.
2. (a) Write the members present in IEC of a diagnostic centre.
- (b) Write the major functions of IEC. 3+5

Or

- (a) What do you mean by ISO accreditation of a Laboratory?
- (b) Write the applied value of ISO accreditation of a diagnostic centre.

(c) How GLP influence the quality of laboratory work?

2+4+2

3. (a) Write the co-operation and working relationship among workers in pathological laboratory.

(b) How laboratory ethics help the final bill preparation and report delivery? (2+2)+(1 $\frac{1}{2}$ +1 $\frac{1}{2}$)

Or

(a) Write the ISO rules for quality upgradation of the laboratory.

(b) "Preconditioning of the patient is also the duty of the Lab. Technologist." Justify the comment from laboratory ethics. 3+4

Module—II

(Laboratory Bio-safety)

[Marks : 20]

4. Answer any five of the following : 1×5

(a) What do you mean by de-contamination?

- (b) Define bio-medical wastes.
- (c) Write the names of any two disinfecting agents used in laboratory.
- (d) Define safety sign.
- (e) Write the names of any two instruments used in diagnostic laboratory having hazardous effect.
- (f) Write the full form of HVAC.
- (g) Write the name of two primary barriers in laboratory.
- (h) What do you mean by baseline serum?

2.

- 5. (a) What do you mean by recycle of wastes?
- (b) Write about any two technologies used for bio-waste treatment.

Or

- (a) What types of precautions will you take while managing the fire incidence from xylene and benzene leakage in a laboratory?
- (b) What do you mean by secondary barriers in laboratory?
- (c) How do you sterilize an inoculation needle in a microbiology laboratory?

6. (a) State in brief about any two safety equipments used in pathological laboratory.
- (b) State the functions of a biosafety manuals. 4+3

-Or

- (a) What is necessity of categorization of a laboratory in different biosafety levels?
- (b) Describe briefly about biosafety cabinet.
- (c) What types of precaution you will take while handling a biosafety cabinet? 2+3+2