2015

M.Sc.

1st Semester Examination

BIO-MEDICAL LABORATORY SCIENCE & MANAGEMENT

PAPER—BLM-103

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.

Answer *Q. No. 1* and any *three* questions of the following.

1. Answer any *ten* of the followings : 10×1

(a) Write the full form of CPCSEA.

(b) Write the full form of IEC.

(c) Define ethics.

(d) Write the full form of ISO.

(e) What is confidentiality of data ?

(f) What do you mean by personal management ?

(g) Write any one ethical norm for good quality of laboratory service delivery.

(h) What is the use of dosimeter ?

(i) What is ergonomics ?

(j) What is 'Clean agent' ?

(k) Which extinguisher is used in case of fire from xylene ?

(l) What is baseline serum ?

(m) What is the full form of HVAC ?

(n) What is dunk tank ?

(o) Draw the sign of biohazard.

2. (a) State importance of ISO accreditation of clinical laboratory.

(b) Write the ethical norms for sample collection from patient in a health institute.

(c) State the ethical norms for privacy of data of patient.

3+3+4

3. (a) State the accountability of technologist for quality and integrity of clinical laboratory services from the view point of Laboratory Ethics.

(b) Write the co-operation of Laboratory workers for quality outcome in diagnosis from the domain of laboratory ethics.

5+5

4. (a) State the example of primary and secondary containments.

(b) State the application of fume hood with justification.

(c) What is biosafety cabinet? Discuss briefly the working mechanism of a biosafety cabinet.

4+2+(1+3)

5. (a) Discuss briefly the principle of different process of sterilization.

   (b) What is incineration and state its application.

   (c) State the demerits of incineration and chemical sterilization.

5+(2+1)+2

6. (a) Classify fire.

   (b) Discuss briefly about different types of fire extinguisher and devices to combat against fire in a laboratory.

   (c) How do you escape yourself and others from fire in a laboratory?

2+6+2
