M.Sc.
2014
4th Semester Examination
BIOMEDICAL LABORATORY SCIENCE AND MANAGEMENT
PAPER—BLM-402 (UNIT-28)

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 all questions.

Module — 1

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

(a) What do you mean by intelligence in information system?

(b) Write the names of any two process for collection of health care information system.

(Turn Over)
(c) Mention any one importance of health manpower statistics.

(d) Write the full forms of AWW and VHG.

(e) Define policy.

(f) Define record.

(g) Write any one objective of health planning in state level.

2. (a) State the main health care services provided by Primary health centre.

(b) Describe in brief about health care services provided of village level. 4+4

Or

(a) What do you mean by disease registration?

(b) State the applied value of disease registration in health sector.

(c) Write the importance of hospital record in health care improvement. 2+3+3

3. (a) Describe the strategies adopted for improving the health care services in our community.

(b) Mention the manpower strength in PHC as per standard guideline. 4+3

Or

C/14/M.Sc./4th Seme./BLM-402(U-28) (Continued)
(a) Describe the major goals of 'National Health Policy'.
(b) What do you mean by record linkage?  

Module — 2

4. Answer any five questions of the following: 1×5
   
   (a) What is probe?
   (b) Define metabolomics.
   (c) What do you mean by point mutation?
   (d) What do you mean by data security?
   (e) What do you mean by genetic information flow?
   (f) Write any application of parasite bio-information.
   (g) Define genomics.

5. (a) What is gene sequencing?
   (b) Describe the 'Maxam-Gilbert method' for gene sequencing,
   (c) State any two application of probe. 2+4+2

Or

(a) 'Proteomics study generally prefer to evaluate the cellular activity than genomics study' — justify the statement.
(b) State the importance of computer graphics in bio-informatics. 5+3
6. (a) Write the fundamental steps for the flow of nucleotide message from genetical compartment to the non-genetical compartment of the cell.

(b) Describe in brief the genetical diagnosis about heterozygous and homozygous genotype of 'Sickle cell anaemia' using DNA electrophoresis. 3+4

Or

(a) State the steps adopted for the formulation of Biological Data Bank from the view point of Bio-informatics.

(b) Write in brief about parasite bio-informatics. 4+3