

**M.Sc. 4th Semester Examination, 2011**

**BIOMEDICAL LAB. SCI & MGM.**

**PAPER—XIV (Unit - 28)**

*Full Marks : 40*

*Time : 2 hours*

*The figures in the right-hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**MODULE – 1**

1. Answer any *five* of the following : 1 × 5
- (a) What do you mean by plan ?
  - (b) What is health care ?
  - (c) Write the names of any two levels in our health care system.

- (d) What do you mean by social awareness ?
  - (e) What is sample registration ?
  - (f) Write the name of any one strategy for health promotion.
  - (g) Write the full form of RIMS.
  - (h) Define HMIS.
2. (a) What do you mean by health care information system ?
- (b) How health care information system is performed ?
- (c) Write the importance of health care information system. 2 + 3 + 3

*Or*

- (a) Write the differences between health care and medical care.
- (b) Write the health care services present in village level.

(c) State in brief the tertiary level of health care system. 2 + 3 + 3

3. (a) Write the services delivered by Primary health centre.

(b) State the manpower allotted in Primary health centre.

(c) What are the approaches adopted at present in our country to improve the health care services. 3 + 2 + 2

*Or*

(a) What do you mean by child to child strategy in connection with health promotion ?

(b) Discuss the operation of this strategy on the promotion of community health. 2 + 5

### MODULE – 2

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

(a) Define proteomics.

(b) What is one enzyme/one tube system ?

- (c) Define bio-informatics.
- (d) What is databank ?
- (e) Write the full form of BLAS.
- (f) What is WWW ?
- (g) What is Intranet ?
- (h) What is parasite bioinformatics ?

5. (a) Write the fundamental basis of Real time -RT-PCR through Taqman assay system.
- (b) Write the advantages of 'Real time-RT-PCR' over traditional PCR.
- (c) State the limitation of 'Real time-RT-PCR'.

4 + 2 + 2

*Or*

- (a) What do you mean by medical transcription ?
- (b) State the utility of medical transcription in modern health science.
- (c) What do you mean by re-transcribing ? 2 + 4 + 2

6. (a) What do you mean by biological databank ?
- (b) What is data security ?
- (c) State computer graphics and visualization.
- (d) Why we use chemfinder ?  $2 + 1 + (1 + 1) + 2$

*Or*

- (a) Describe briefly the drug design using the knowledge of bio-informatics.
- (b) State the application of bio-informatics in health sectors.  $3 + 4$
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