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**PG/IVS/BLM-402/U-28/12**

**M.Sc. 4th Semester Examination, 2012**

**BIOMEDICAL LABORATORY SCIENCE  
AND MANAGEMENT**

**PAPER— BMLSM-402 (Unit - 28)**

*Full Marks : 40*

*Time : 2 hours*

**Answer all questions**

*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 – I**

- 1. Answer any five of the following : 1 × 5**
- (a) Write any one name of health promotion strategy of our community.**
  - (b) Write any one importance of 'Health care information system'.**

*( Turn Over )*

- (c) Write the full forms of SC and PHC.
  - (d) Write the full forms of MPH and AWW.
  - (e) What do you mean by disease registration ?
  - (f) Write any one objective of national health policy.
  - (g) What do you mean by health planning ?
  - (h) What do you mean by record linkage ?
2. (a) What do you mean by sample registration system ?
- (b) State the importance of sample registration system.
- (c) Describe the process of sample registration system.
- (d) State the process in brief about disease registration system. 2 + 2 + 2 + 2

*Or*

- (a) State the importances of 'Health manpower statistics'.

(b) What are the present steps adopted in our state for the improvement of health status at urban and rural sectors. 3 + 5

3. (a) Write the major objectives of 'Primary Health Care'.

(b) State the major role of S.C. for the improvement of health care of the community.

(c) Write the role of MPH and AWW in the primary level. 3 + 2 + 2

*Or*

(a) What do you mean by 'W to W' strategy.

(b) Discuss the different steps for the adoption of 'W to W' strategy in the community.

(c) Why females are selected in this strategy. 2 + 3 + 2

## MODULE – II

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

(a) Define 'Data Security'.

- (b) What do you mean by database ?
- (c) What is chem finder ?
- (d) What do you mean by medical transcription ?
- (e) What do you mean by 'in Silico' ?
- (f) Give the full form of DDBJ.
- (g) Write the full form of EMBL.
- (h) Why proteomics is a better tool than genomics ?

5. (a) What do you mean by genetic information flow.
- (b) State the importance of genetic information flow.
- (c) Write in brief about chemo informatics.
- (d) Write the importance of transcriptions. 2 + 3 + 2 + 1

*Or*

- (a) What are the difference between primary sequence data base and meta database ? Give example.
- (b) What are the differences between protein visualization tool and protein modeling tool. Explain with example.

(c) What are the utility of homology study ? What are the programs used in sequence homology study. 2 + 4 + 2

6. (a) State the steps adopted for database generation of a particular gene.

(b) Describe briefly the bioinformatics of human health. 3 + 4

*Or*

(a) Write about the tools and instruments used in proteomics study.

(b) Differentiate structural genomics and functional genomics. 4 + 3

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