

2008

M.Sc.

4th Semester Examination

BIO-MEDICAL LAB. SCIENCE & MANAGEMENT

PAPER—XIV (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 — I

1. Answer any *five* questions of the following : 5×1
- (a) What do you mean by health man power?
 - (b) What is 'HIS'?
 - (c) What do you mean by record linkage?
 - (d) What is policy?
 - (e) What is strategy?
 - (f) Write the name of any *one* strategy for the promotion of community health at rural sector.
 - (g) Write the names of any *two* parameters of community health status assessment.
 - (h) Write the names of any two stages of health system adopted in India.

(Turn Over)

2. (a) Describe the different steps of planning cycle with special reference to community health upgradation.
- (b) Write the different pre-planning stages. 5+3

Or

- (a) Describe the strategy that should be adopted for the prevention of water borne diseases in community.
- (b) Write the different resources in health service delivery system. 5+3

3. (a) What is 'woman to woman' strategy?
- (b) Describe the role of this strategy for community health upgradation at rural sector.
- (c) What is 'Child to Child strategy'? 2+4+1

Or

- (a) What do you mean by 'data', information and intelligence?
- (b) Write in brief on 'National Health Policy'. 3+4

Module — II

4. Answer any *five* questions of the following : 5×1
- (a) Write the full form of RELP?
 - (b) What is RT-PCR?
 - (c) What is transcriptomics?
 - (d) Define bio-informatics.
 - (e) What is Chemoinformatics?
 - (f) What is Gel documentation?
 - (g) What is BLAST?
 - (h) What is key boarding?

5. (a) Write the full form of SELDI.
- (b) Describe the fundamentals of SELDI.
- (c) Mention applied value of SELDI in Laboratory Medicine. 1+4+3

Or

- (a) Describe the process in brief of 'DNA sequencing'.
- (b) Write the applied value of DNA sequencing in the field of clinical investigation. 6+2

6. (a) What is 'DNA foot printing'?
- (b) Describe the technique in brief of 'DNA for printing'.
- (c) Write its clinical applied value. 2+3+2

Or

- (a) What is database?
- (b) Give example each of a primary and complete database.
- (c) Write the application of bioinformatics in bio-medical science. 1+(2+2)+2
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