M. Sc.

2018

4th Semester Examination

BIO-MEDICAL LABORATORY SCIENCE AND MANAGEMENT

PAPER—BLM-404

Subject Code—22

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* from the rest.

1. Answer any *five* questions : 5×2

(a) Write the names of any four factors those influence the drug toxicity.

(b) Why are undernutrient patients more susceptible to drug toxicity ?

(c) Write any two domains covered under pharmacovigilance.

(d) Write the full form of DCGI and UG-FDA.

(e) Define teratogen.

(f) What do you mean by 'Bio Pharmaceutics'.

(g) What is preclinical study ?

(h) Write the full form of ADR and IPR.

2. (a) Describe in brief the design of study under Phase I, II, III and IV clinical research.

(b) Define LD_{50}. 8+2

3. (a) What do you mean by hyporeactive, hyperreactive and normoreactive individuals.

(b) Write the possible mode of action of metagenic agent. 6+4

4. (a) What are the guidelines to obtained patent on a research output ?

(b) State the factors that modulate the bio-efficacy of a drug. 4+6

5. (a) "Sense of ethic is most important in clinical research'. Justify the statement.

(b) "Regular monitoring and inspection of drug handling organisation are two vital process for quality outcome in that sector"—critically analyse the statement. 5+5

6. (a) "Pre-clinical research in the Platform of clinical research"—Establish it with example.

(b) Write the submission process to obtain IPR on research output. 5+5

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