

Roll No.

Total No. of Pages : 02

Total No. of Questions : 10

M.Sc (Clinical Research) (2018 Batch) (Sem.-1)

FUNDAMENTALS OF CLINICAL RESEARCH

Subject Code : MSCR-102-18

M.Code : 75606

Time : 3 Hrs.

Max. Marks : 70

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

SECTION-A

1. **Write briefly :** <http://www.punjabpapers.com>
- a) High throughput Screening.
 - b) Lead compounds.
 - c) Role of combinatorial chemistry in drug discovery.
 - d) Biopharmaceutical Classification system.
 - e) Difference between quality control and quality assurance.
 - f) Validation and Calibration.
 - g) Copyright and Trade Marks.
 - h) Disintegration and Dissolution.
 - i) Clinical holds in clinical trials.
 - j) Immediate release tablets and mouth dissolving tablets.

SECTION-B

2. Explain drug discovery cycle.
3. What is the role of Biopharmaceutical classification system in development of any dosage form?
4. Explain different types of Intellectual Property rights (IPR).
5. Discuss the role, advantages and disadvantages of placebo response.
6. Quality control of any solid dosage form.

SECTION-C

7. What is the importance of combinatorial chemistry in the development of any new drug molecule? Explain in detail.
8. Explain types with examples, advantages and disadvantages of the available different types of dosage forms in the markets.
9. What is the role of Sulfonamide tragedy in the drug development process? Explain various steps and their importance in clinical trials during drug development process.
10. Explain different types of patents. What are the conditions to get any patent by an applicant and discuss the offences and penalty in cases of infringement of the patents?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.