

## SEMESTER EXAMINATION-2021

**Class: B.Sc (Hons) Biomedical Science 5<sup>TH</sup> Semester**

**Subject: Pharmacology**

**Paper Code: BMS-C 502**

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**Time: 3 hour**

**Max. Marks: 70**

**Min. Pass: 40%**

**Note:** Question Paper is divided into two sections: **A and B**. Attempt both the sections as per given instructions.

### **SECTION-A (SHORT ANSWER TYPE QUESTIONS)**

**Instructions: Answer any five questions in about 150 words each. Each (5 X 6 = 30 Marks) question carries six marks.**

- Question-1: Describe various type Routes of drug administration.
- Question-2: Describe Drug-drug interactions with example
- Question-3: What are the factors affecting drug action
- Question-4: What is Insulin and oral hypoglycemic agent
- Question-5: Write a short note on Principles and mechanism of drug action
- Question-6: Write about CNS stimulants agents
- Question-7: Write about Opioid analgesics agents
- Question-8: Write a short note on estrogen
- Question-9: Write a short note on progestins
- Question-10: Write a short note on First Pass metabolism

### **SECTION-B (LONG ANSWER TYPE QUESTIONS)**

**Instructions: Answer any FOUR questions in detail. Each question (4 X 10 = 40 Marks) carries 10 marks.**

- Question-11: Explain with example of sedative and hypnotics drugs
- Question-12: Explain mechanism of NSAID and other drugs
- Question-13: Explain mechanism, adverse effect of Antibacterial agents with example
- Question-14: Explain mechanism, adverse effect of antifungal agents with example
- Question-15: Explain Principles Pharmacokinetics
- Question-16: Explain Principles Pharmacodynamics
- Question-17: Write about thyroid and anti-thyroid drugs
- Question-18: Write notes on General anesthetics agents