

**M.D. (Rasa Shastra Evam Bhaishajya Kalpana) (2017 COURSE): SUMMER – 2020**  
**SUBJECT: PAPER – IV: PHARMACOLOGY AND PHARMACY MANAGEMENT**

Day: **Tuesday**  
Date: **22-09-2020.**

Time: **2:00 PM TO 5:00 PM.**  
Max. Marks: 100

**S-2020-18016**

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagrams **WHEREVER** necessary.

**Long Answer Questions: (LAQ) Any THREE |  $3 \times 20 = 60$  Marks]**

- Q.1** Elaborate practices of Ayurvedic pharmacy management.
- Q.2** Explain the concept of clinical research and its design. Write in detail the process of evaluation of efficacy of a drug at different phases.
- Q.3** What is pharmacovigilance? Discuss in detail national and international scenario of pharmacovigilance for Ayurvedic drugs.
- Q.4** Describe various routes of drug administration in relation with pharmacotherapeutics with suitable examples.

**Short Answer Questions: (SAQ) Any TWO |  $2 \times 10 = 20$  Marks]**

- Q.5** What is meant by pharmacodynamics? Write an example of Ayurvedic formulation.
- Q.6** Discuss ethics related to animal experiments.
- Q.7** Write short essay on Packaging Materials.

**Write short notes on: Any FOUR |  $4 \times 5 = 20$  Marks]**

- Q.8** Physiological importance of Zinc.
- Q.9** Toxicity of herbo- mineral compounds.
- Q.10** Drugs and Cosmetics Act-1940.
- Q.11** International Trade and Practices of Ayurvedic Drugs.
- Q.12** Intellectual property rights.

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