

Time: 3Hours

Max. Marks: 80

Note: Answer any TEN questions from Section – A and THREE from Section – B
Including Question No. 14, which is compulsory.

SECTION – A

4 x 10 = 40

- 1) Classify solid dosage forms with examples
- 2) Give the salient features of latest edition of Indian Pharmacopoeia
- 3) How will you prepare 300ml of 45%v/v alcohol from 90% v/v alcohol?
- 4) Describe the factors affecting size reduction
- 5) Differentiate between vaccines and sera
- 6) Write a note on filter media
- 7) Describe the official grades of powders
- 8) Describe the construction and working of Silverson mixer
- 9) Write a note on isotonic solutions
- 10) List the advantages and disadvantages of glass containers
- 11) Write a note on microencapsulation
- 12) Describe the preparation of Water for Injection I.P
- 13) What are aerosols? Give its applications

SECTION – B

- 14) A) Define and classify immunity. (1+4)
B) Describe the preparation of small pox vaccine. (9)
- OR
- A) Define and classify tablets. (1+4)
B) Describe the various quality control tests for tablets. (9)
- 15) A) Define the various extraction process. (5+8)
B) Explain Soxhlet extraction process in detail
- 16) A) Explain the construction and working of Plate and Frame filter press. (7+6)
B) Write a note on Gaseous sterilization.
- 17) Write notes on (7+6)
A) Sugar coating.
B) Fractional distillation.
