

- n) What is the need of granulation while preparing tablets?
- o) List any two criteria of drug (s) essential for microencapsulation.

SECTION-B

- Q2. Highlight aqueous coating of tablets.
- Q3. Explain evaluation of microcapsules.
- Q4. Explain techniques for the preparation and filling of sterile powders.
- Q5. Enumerate pyrogen testing of injection containing antibiotics.
- Q6. Highlight different types of parenteral controlled released drug delivery systems.

SECTION-C

- Q7. a) Enumerate packaging equipments for the packaging of oral solid dosage forms.
b) Explain *in vitro* *in vivo* packaging testing and compare it with stability of dosage forms.
- Q8. a) How aseptic area could be designed and evaluated.
b) Enumerate IP method for the testing of pyrogen in parenterals.
- Q9. Highlight formulation, packaging and evaluation of paracetamol tablet IP.
- Q10. Write note on :
 - a) Stability testing
 - b) Wound dressing
 - c) Organ replacement materials

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