

[Time: 2 Hours]

[Marks:40]

Please check whether you have got the right question paper.

- 1) Question no.1 is compulsory.
- 2) Attempt any three questions out of remaining four.
- 3) Figures to the right indicate full marks.
- 4) Draw neat labelled sketches wherever necessary.

- Q.1** Answer any five of the following. **10**
- a) Explain the significance of seal coat in sugar coating process.
 - b) State the role of acid citrate dextrose in blood collection bottle.
 - c) Explain the irradiation method of sterilization of sutures.
 - d) Enlist different methods of microencapsulation.
 - e) Write need of enteric coating of tablet
 - f) What are ideal plasma substitutes?
- Q.2** **5**
- a) Discuss any one method of microencapsulation in detail.
 - b) Discuss the extraction of insulin from pancreas of sheep. **5**
- Q.3.** **5**
- a) Write a note on fluidized bed coater.
 - b) Write a note on manufacturing of catgut. **5**
- Q.4** **5**
- a) Describe in detail the sugar coating process
 - b) Write in brief about official dextran injections. **5**
- Q.5** Write a short note on any two :- **10**
- a) Accela cota system
 - b) Compression coating
 - c) Non absorbable suture.