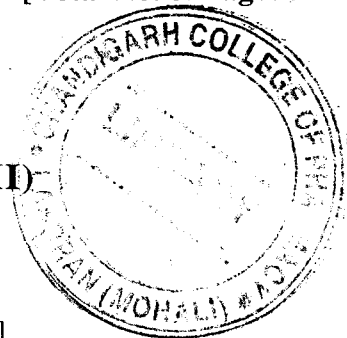


Roll No.

Total No. of Questions : 10]

[Total No. of Pages : 02

B.Pharmacy (Sem. - 7th)
PHARMACEUTICS - VIII
(Pharmaceutical Technology - II)
SUBJECT CODE : PHM - 4.7.2
Paper ID : [D0133]



[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 80

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.
- 3) Attempt any **Three** questions from Section - C.

Section - A

Q1)

(15 × 2 = 30)

- a) Why preservatives are not added to large parenterals?
- b) Discuss Sham and Lal Test for pyrogens test.
- c) What is the importance of fumaric acid and Methylene parabens in the preparations of capsule shell?
- d) What are absorbable and non-absorbable sutures?
- e) What do you mean by nanotechnology for drug delivery system?
- f) What is CDDM?
- g) Write about the Progestasert.
- h) What are the sizes of capsules?
- i) What do you mean by economic order quantity (EOQ)?
- j) What are Chitosans?
- k) Discuss Drycota Tablet machine.
- l) Mention the principle of water attack Test of Glass Containers.
- m) Give examples of Non-Aqueous vehicle for parenterals preparations.
- n) What is lyophilization?
- o) Mention the importance of Isotonicity in parenteral products.

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P.T.O.

Section - B

(4 × 5 = 20)

- Q2) With the help of flow chart layout plan, describe sterile product area.
- Q3) Describe the weight variation tests for tablets and give the I.P limits.
- Q4) How is absorbent cotton prepared? Mention the standardized limit and chemical tests of cotton.
- Q5) Describe the method of preparation of Hard Gelatin capsules.
- Q6) What are pyrogms? How will you remove pyrogens from tap water?

Section - C

(3 × 10 = 30)

- Q7) What are the advantages associated with microencapsules? Describe their preparations by coecervation method.
- Q8) Explain the evaluation methods of parenteral products.
- Q9) Mention the various tablet defects, their causes and remedies.
- Q10) Explain the method of preparation of Transdermal drug delivery system.



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