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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 x 2 = 30)*

a) Microencapsulation.

b) Lyophilyzation.

c) Hemostastics.

d) Aseptic area.

e) Zero order release.

f) Capsule.

g) Gelatin.

h) Absorbent cotton.

i) Isotonicity.

j) Quality control.

k) Catguts.

l) Preformulation.

m) Coacervation.

n) What is the need of granulation while preparing tablets?

o) List any two criteria of drug(s) essential for microencapsulation.

Section - B

(4 x 5 = 20)

Q2) Highlight physics of making tablets.

Q3) Explain evaluation of capsules.

Q4) Explain techniques for the microencapsulation of drugs.

Q5) Enumerate sterility testing of injection containing antibiotics.

Q6) Highlight different types of transdermal controlled released drug delivery systems.

Section - C

(3 x 10 = 30)

Q7) (a) Explain packaging equipments for the packaging of oral solid dosage forms.

(b) How packaging testing could be correlated 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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