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Total No. of Questions : 10]

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PHARMACEUTICS-VIII

(Pharmaceutical Technology-II)

(B.Pharm., 7th Semester, 2055)

Time : 3 Hours

Maximum Marks : 80

Note :- Section A is compulsory. Attempt any *Four* questions from Section B and any *Three* questions from Section C.

Section-A Marks : 2 Each

1. (a) What is the difference between absorbable and non-absorbable suture ?
- (b) Why preservatives are not added to large volume parenterals ?

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- (c) What is the limit for particulate matter in small and large volume parenterals ?
- (d) Name the antioxidants for oily solutions.
- (e) Which solutions are said to be isotonic with blood ?
- (f) What are the different sizes of hard gelatin capsules ?
- (g) What is the DT for enteric coated tablet ?
- (h) Define lyophilization.
- (i) What are ligatures ?
- (j) What are catguts ?
- (k) What is the DT for soft gelatin capsule ?
- (l) What should be the angle of repose for good flow of granules ?
- (m) Name few directly compressible vehicles.

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- (n) What are superdisintegrants ? Give example.
- (o) What is the recommended DT for dispersible tablets ?

Section-B Marks : 5 Each

2. Describe the weight variation test for soft gelatin capsules and give the IP limits.
3. How are microcapsules evaluated for their quality ?
4. Why does 'Orange-peel' effect and 'bridging' occur in coated tablets ? Suggest remedies.
5. Describe the tests conducted to ensure quality of glass containers.
6. How is absorbent cotton prepared ? Give few tests conducted on it.

Section-C Marks : 10 Each

7. What is enteric coating polymer ? Give examples. Giving details of polymer solution composition and coating process explain enteric coating of tablets by air-spray method. Name the tests conducted on such film coated tablets.

8. Distinguish between a primary and secondary packaging container. Which factors influence selection of material for these containers ?
9. Describe the testing and interpretation of sterility test for penicillin injection.
10. What are the advantages associated with microcapsules ? Describe their preparation by non-solvent addition. Enumerate quality control tests also.

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