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B.Pharm Semester-VI (C.B.S) Examination

PHARMACEUTICAL VALIDATION

Paper-6 (6T6)

Time : Three Hours]

[Full Marks : 80

- N.B. :— (1) Question No. 1 is compulsory.
 - Solve any FOUR questions from the remaining.
 - (3) Draw neat labeled diagram wherever necessary.
- Solve any five of the following : 1.
 - (a) Define process validation. Comment on its various options.
 - (b) Draw flow diagram showing different steps involved in selection of candidates for retrospective validation.
 - (c) Discuss the various parameters to be considered during development and validation of wet granulation technique.
 - (d) Explain cause and effect diagram.
 - (e) Discuss the various factors to consider during encapsulation step in process validation of hard gelatin capsules.
 - (f) Give the different critical process steps and quality control test in process validation of compressed tablets.

(g) Draw typical process flow diagram for granulated product.	5×4=20
Briefly describe the various stages of validation.	15
Explain in detail about the following parameters for analytical method validation :	
Selectivity and specificity.	5
(b) Precision and reproducibility.	5
(c) Accuracy and recovery.	5
	 Briefly describe the various stages of validation. Explain in detail about the following parameters for analytical method validation : (a) Selectivity and specificity. (b) Precision and reproducibility.

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(Contd.)



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- (b) Write in brief about various in-process tests required for solid dosage forms in process validation.
- Explain selection and evaluation of processing data of coated tablets with reference to retrospective 5. validation. 15
- Write briefly about : 6.

4.

- Experimental design and analysis. 7
- (b) Full-scale product/process development in prospective process validation. 8
- Write short notes on (any three) : 7.
 - (a) Pilot plant scale-up and technology transfer.
 - Physicochemical properties of the drug in developing tablet formulation. (b)

(a) Briefly comment on validation of raw materials for solid dosage forms.

- Horistranker.com Selection and evaluation of processing data of semisolid dosage forms in retrospective validation. (c)
- (d) Linearity and calibration curve.

3×5=15

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