

B. Pharm. Third Year (CBCS Pattern) Semester-V
BP502T - Industrial Pharmacy-I

P. Pages : 3

Time : Three Hours



GUG/S/25/13184

Max. Marks : 75

Note : All questions are compulsory.

1. Multiple Choice Questions: 20

- i) The 000 size capsule can fill the volume of -----
 - a) 1.36 ml
 - b) 0.13 ml
 - c) 9.5 ml
 - d) 0.96 ml
- ii) Glycerin act as a ----- in capsules.
 - a) Opacifier
 - b) Plasticizer
 - c) Coloring agent
 - d) Lubricant
- iii) Which one of test is not performed for rubber?
 - a) Sterility
 - b) Humidity
 - c) Self scalability
 - d) Fragmentation
- iv) HEPA filter remove particle upto ----- size.
 - a) 0.1 mm
 - b) 0.3 micron
 - c) 5 micron
 - d) 0.1 micron
- v) Medicated syrup contains -----% sugar.
 - a) 50
 - b) 66
 - c) 85
 - d) 25
- vi) The particle size of disperse phase in suspension varies between?
 - a) 0.5 to 5 μm
 - b) 8 to 10 μm
 - c) 100 to 200 μm
 - d) 0.5 to 1 mm
- vii) ----- agent prevents the sticking of tablet surface to dies and punches during compression.
 - a) Anti adhesive
 - b) Glidant
 - c) Lubricant
 - d) Binder
- viii) According to I.P. the limit of weight variation of tablet, having weight less than 80 mg is-
 - a) 10%
 - b) 7.5%
 - c) 5%
 - d) 15%
- ix) ----- test is a preliminary test for rabbit test of pyrogen.
 - a) SHAM test
 - b) LAL test
 - c) ELISA test
 - d) Clarity test
- x) Eye irritation study of ophthalmic product is done by -----
 - a) Sterility test
 - b) Draize test
 - c) Endotoxin study
 - d) Particle size analysis

- 2.** Long Answer Questions (Solve **any two**)

- Explain in detail container and closures used for parentals.
- Write methods of production of soft gels.
- Define pre-formulation. Write a evaluation of physicochemical properties of drug.

3. Short Answer Questions (Solve any seven)

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- a) Explain the sterility test for ophthalmic products.
- b) Define & classify cosmetics, and give their uses.
- c) Write a note on principle and working of aerosols.
- d) Explain type of glass used for pharmaceutical container.
- e) Enlist techniques of palletization. Write advantages of pellets over conventional dosage forms.
- f) Explain methods of granulation.
- g) What is BCS classification?
- h) Note on additives used in formulation of suspension.
- i) Write a note on defect in capsules.
