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Sardar Patel University
B.Sc. Industrial Chemistry Vocational, Semester-V
US05CICV05- Pharmaceutical-I
22nd November 2013

Time: 10:30 am to 01:30 pm

Total Marks:70

Q1. Answer the following multiple choice questions:

[10]

- 1) The Hathi Committee was appointed in February 1974, consisted of _____ members.
(a) 50 (b) 15 (c) 12 (d) None of these
- 2) Formulations must provide _____
(a) Efficacy (b) Safety (c) Convenience (d) All of these
- 3) The First edition of Indian Pharmacopoeia was published in _____
(a) 1955 (b) 1996 (c) 1975 (d) 1985
- 4) How many layers does an ovine intestine consist of?
(a) 3 (b) 4 (c) 6 (d) 8
- 5) The yarn running long way through the fabric is known as _____
(a) Warp (b) Weft (c) Slub (d) Filler
- 6) Micro crystalline cellulose is _____
(a) Bulking agent (b) Disintegrating agent (c) Stabilizer (d) Both (a) & (b)
- 7) Sorbitol can be used as _____ in tablet manufacturing.
(a) Sweetener (b) Lubricant (c) Stabilizer (d) Diluent
- 8) Acacia is used in _____ product.
(a) Cosmetics (b) Food (c) Confectionery (d) All of these
- 9) In water, Bhasma should?
(a) Dissolve (b) Float on surface (c) Remain suspended (d) Settle down
- 10) In which of these method the plants are raised from seeds?
(a) Sexual method (b) Asexual method (c) Both (a) & (b) (d) None of these

Q2. Answer the following short questions (ANY TEN)

[20]

1. Write Content of pharmacopoeia.
2. Enlist various routes for administration of drug.
3. Classify various types of formulations.
4. Define Preservatives. Give one example.
5. Define Binders. Give one example.
6. Define Glidant. Give one example.
7. Explain: sutures and ligatures.
8. Give characteristics of packing material
9. Enlist the advantages of PVC as packing material
10. Write the importance of pH range in soil.
11. Enlist the advantages of cultivation.
12. Compare between Sexual and Asexual method.

P.T.O

- Q3. a) Write the needs for dosage forms? [05]
b) Discuss oral route of drug administration. [05]
OR
- Q3. a) Write the role of pharmacopoeia. [05]
b) Write a short note on Indian pharmacopoeia [05]
- Q4. Write a note on surgical catgut. [10]
OR
- Q4. Explain in detail rabbit pyrogen test. [10]
- Q5. a) Write a short note on Flavoring agents. [05]
b) Write a short note on Emulsifying agents. [05]
OR
- Q5. a) Write a short note on Diluents. [05]
b) Write a short note on Lubricating agents. [05]
- Q6.a) Write a note on: Storage of crude drugs. [05]
b) Write a note on methods of collection of Bark and Fruits. [05]
OR
- Q6. a) Write a note on methods of cultivation. [05]
b) Discuss in detail classification of crude drugs. [05]

x ——— x ——— x