

52

(34)

SEAT No. _____

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Sardar Patel University

B. Sc. (Semester – V) Examination

Date: 01 November 2018, Thursday.

Time: 10:00am to 01:00pm

Industrial Chemistry Vocational

COURSE NO: US05CICV05 (PHARMACEUTICAL - I)

Notes: Figures to the right indicate full marks.

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 | C. 16 |
| B. 12 | D. 15 |
2.route of drug administration is convenient for local effect.

| | |
|------------------|------------------|
| A. Oral | C. Intramuscular |
| B. Intravenous | D. Intravenous |
| C. Intramuscular | |
| D. Topical | |
3. Which route of administration is considered for fast onset of effect.

| | |
|-----------------|------------------|
| A. Subcutaneous | C. Intramuscular |
| B. Oral | D. Intravenous |
4. Plaster of Paris contains.....

| | |
|----------------------|---------------------|
| A. Calcium Chloride | C. Calcium Oxide |
| B. Calcium Carbonate | D. Calcium Sulphate |
5.is used to seal the layers of skin.

| | |
|--------------|------------------|
| A. Sutures | C. Cat gut |
| B. Ligatures | D. None of these |
6. Most of the potent pyrogens are found to be originated from.....

| | |
|---------------------------|---------------------------|
| A. Gram Positive Bacteria | C. Fungi |
| B. Algae | D. Gram Negative Bacteria |
7.is used to increase the flow properties of powder.

| | |
|--------------------------|---------------|
| A. Bulking agent | C. Stabilizer |
| B. Disintegrating agents | D. Glidants. |
8. Isopropyl alcohol is a _____ agent.

| | |
|----------------|-------------------|
| A. Flavoring | C. Disintegrating |
| B. Lubricating | D. Binding |
9. In which of these methods the plants are raised from seeds?

| | |
|--------------------|------------------|
| A. A sexual method | C. Pruning. |
| B. Hybridization | D. Sexual method |
10. Taila should be taken within?

| | |
|--------------|--------------|
| A. 6 months | C. 18 months |
| B. 12 months | D. 16 months |

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1

[P. T. O.]

Q. 2 Answer the following short questions (ANY TEN)

(20)

1. Define term "Pharmacopoeia".
2. Give routes for administration of drug.
3. Enlist various types of formulations.
4. Giving examples, define term "Preservatives".
5. Define term Binders.
6. What mean by Emulsifying agents. Give one example
7. Explain in brief cotton creep bandage?
8. What mean by ligatures?
9. Write a note on absorbable sutures and ligatures.
10. Give suitable examples of "Bhasma".
11. Define term "Leha".
12. Write an advantages of cultivation.

Q. 3 Write a note on historical background and development of Pharmacopoeias.

(10)

OR

Q. 3 Write a notes on following:

(10)

- A. Various routes for administration of drug.
- B. Types of dosages forms.

Q. 4

- A. What is the procedure to obtain CAT GUT? Explain sterilization methods.
- B. Write note on densities of powder and their measurement.

(05)

(05)

OR

Q. 4

- A. What are the advantages of glass as packaging material over others?
- B. Write note on plastics used in pharmaceutical packaging.

(05)

(05)

Q. 5 Write role and applications of following pharmaceutical excipients:

(10)

- A. Colouring agents.
- B. Lubricants.

OR

Q. 5 Write role and applications of following:

(10)

- A. Glidants.
- B. Sweetening agents.

Q. 6 Write a notes on Classification of crude drugs.

(10)

OR

Q. 6 Explain Bhasma and Leha as formulations of drugs derived from plant source.

(10)

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2