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Seat No : _____

No. of Printed Pages : 2

Sardar Patel University

B. Sc. (Semester – V) Examination

Date: 20/11/2019, Wednesday

Time: 10:00 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. Subcutaneous intramuscular and intravenous are the three primary routes of... administration.
A. Oral
B. Parenteral
C. Rectal
D. Epicutaneous
2. Inroute, drugs are administered topically or applied to the skin.
A. Oral
B. Parenteral
C. Rectal
D. Epicutaneous
3.route of drug administration offers prompt drug response
A. Oral
B. Intramuscular
C. Intravenous
D. Epicutaneous
4.is not considered as flow property of powder
A. Uniformity
B. Tap Density
C. True Density
D. Bulk Density
5.phenomena plays role in emulsion formation
A. Viscosity
B. Van Der Waals Forces
C. Surface Tension
D. Hydrogen Bonding
6. Surface active agents tend to decrease surface tension by forming
A. Hydrogen Bond
B. Micelle
C. Covalent Bond
D. Coordinate Bond
7.made up of "shell" and "fill"
A. Tablets
B. Lozenges
C. Capsules
D. Pills
8. Vanillin is aagent
A. Flavoring
B. Lubricating
C. Sweetening
D. Disintegrating
9. In water, Bhasma should?
A. Dissolve
B. Float on surface
C. Remain suspended
D. Settle down
10. Taila should be taken within.....
A. 6 months
B. 12 months
C. 18 months
D. 16 months

(1)

(PTO)

Q. 2 Answer the following short questions (ANY TEN) (20)

1. Define the term "Pharmacopoeia".
2. Give types of formulations.
3. Define term "USP & IP".
4. Define terms Sutures and Ligatures.
5. Write for absorbable sutures.
6. Define term Density, explain bulk density.
7. Write about Preservatives for drug.
8. Give uses of Coating agent.
9. Write role of Flavoring agent in drug.
10. Define term "Bhasma" and give suitable examples.
11. Write a about "Leha".
12. Write the importance of pH range in soil.

Q. 3 Write short notes on "Indian Pharmacopoeia" and "British pharmacopoeia". (10)

OR

Q. 3 Write a notes on following: (10)

- A. Drug & Cosmetic act 1940.
- B. Types of dosages forms.

Q. 4 Write a notes on following: (10)

- A. Procedure to obtain CAT GUT and its sterilization methods.
- B. Densities of powder and their measurement.

OR

Q. 4 Write a notes on following: (10)

- A. Glass as packaging material.
- B. Roll of Plastics in pharmaceutical packaging.

Q.5 Write role and applications of following pharmaceutical excipients: (10)

- A. Glidants.
- B. Lubricants.

OR

Q.5 Write role and applications of following pharmaceutical excipients: (10)

- A. Colouring agents.
- B. Sweetening agents.

Q.6

- A. Give detail classification of crude drugs. (06)
- B. Write advantages of cultivation. (04)

OR

Q.6

- A. Define term cultivation and discuss the effect of soil and soil fertility in detail. (05)
- B. Write a note on Storage of crude drugs. (05)