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SEAT No. _____

No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY
B.Sc. Industrial Chemistry Vocational
Semester-V Examination
PHARMACEUTICAL - I

Total Pages : 02

Date: 11/04/2019, Thursday
Time: 10:00 a.m. to 01:00 p.m.

Subject Code: US05CICV05
Total Marks: 70

10

Q.1 Answer the following multiple choice questions.

- I. The First edition of Indian Pharmacopoeia was published in _____.
(a) 1955 (b) 1996 (c) 1975 (d) 1985
- II. In _____ route, drugs are administered topically or applied to the skin.
(a) Oral (b) Parenteral (c) Rectal (d) Epicutaneous
- III. _____ route of administration is considered for fast onset of effect.
(a) Subcutaneous (b) Oral (c) Intravenous (d) Intramuscular
- IV. _____ is used to measure true density for porous material.
(a) Helium Densitometer (b) Mercury Densitometer
(c) Bulk Volume (d) Argon Densitometer
- V. _____ is considered to be biodegradable for surgical use.
(a) Nylon (b) Polystyrene (c) Silk (d) Cat Gut
- VI. Sterility testing of a sample deals with _____.
(a) Chemicals (b) Pyrogens (c) Micro-organisms (d) Macro-organisms
- VII. _____ is used to facilitate the wetting of tablet in body.
(a) Bulking agent (b) Disintegrating agents (c) Stabilizer (d) Glidants
- VIII. Talc is a _____ agent.
(a) Flavoring (b) Lubricating (c) Binding (d) Disintegrating
- IX. Seedless variety of fruits are obtained by _____.
(a) Sexual method (b) Asexual method (c) Hybridization (d) Pruning
- X. Tella should be taken within _____.
(a) 6 months (b) 12 months (c) 18 months (d) 16 months

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(P.T.O)

Q.2	Answer the following in short (ANY TEN)	20
I.	Enlist various types of liquid dosage forms.	
II.	Write importance of pharmacopeia.	
III.	Write objectives of drug & cosmetic act 1940.	
IV.	Define sutures and ligatures.	
V.	What is thermoplastic? Write it's examples.	
VI.	Explain Kangaroo tendons.	
VII.	What is the role of antioxidant in formulation? Write it's examples.	
VIII.	Define Disintegrant. Give examples of it.	
IX.	Explain importance of emulsifying agents.	
X.	Define "Taila" and give its examples.	
XI.	What is asexual type of reproduction observed in plants?	
XII.	Write the importance of plants in pharmaceuticals.	
Q.3	a. Explain briefly the different routes for drug administration.	05
	b. Define dosage form. Write the needs for dosage forms.	05
	OR	
Q.3	a. Write a note on Parenteral route of drug administration.	05
	b. Write note on British Pharmacopiea.	05
Q.4	a. Write note on selection of packaging material and give their characteristics.	05
	b. Write note on glass as packaging material.	05
	OR	
Q.4	a. Write note on densities of powder and their measurement.	05
	b. Write note on plastics used in pharmaceutical packaging.	05
Q.5	a. Explain the role of sweetening agents giving examples.	05
	b. Write a note on binding agents with examples.	05
	OR	
Q.5	a. Define Diluents. Write properties and applications of Lactose.	05
	b. Write a note on colouring agents.	05
Q.6	Write a note on advantages of cultivation and storage of crude drugs.	10
	OR	
Q.6	Explain Bhasma and Lehã as formulations of drugs derived from plant sources.	10

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