

Printed Pages – 10

Roll No. :

341552(41)

**B. Pharmacy (Fifth Semester) Examination,
Nov.-Dec. 2021**

(PCI Scheme)

(Pharmacy Branch)

FORMULATIVE PHARMACY

(Theory) (BP502T)

Time Allowed : Three hours

Maximum Marks : 75

***Note : Questions paper has three parts (A, B & C).
Part-A has 20 MCQs each of 1 mark. All the
questions in Part-A are compulsory $1 \times 20 = 20$
marks.***

***Part-B has three questions, out of which
attempt any two questions. Each question
carries 10 marks. ($2 \times 10 = 20$)***

***Part-C has nine questions, out of which
attempt any seven questions. Each question
carries 5 marks. ($7 \times 5 = 35$)***

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Part-A

(Multiple Choice Questions) 20×1=20

Note : Answer all the questions from MCQs. Each question carries 1 mark.

1. Choose the correct options :

(i) Raw gelatin of capsule contains :

- (a) Iron
- (b) Nickel
- (c) Zinc
- (d) None of the above

(ii) LAL test is used for testing :

- (a) Microbes
- (b) Dust
- (c) Pyrogens
- (d) Foreign material

(iii) The water attack test is used for which type of glass :

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(a) Type I

(b) Type II

(c) Type III

(d) Type IV

(iv) Dip tube of aerosol is made up of :

(a) Polyamide

(b) Poly vinyl chloride

(c) Polypropylene

(d) Poly methyl methacrylate

(v) Draize test is :

(a) Eye irritancy test

(b) Skin irritancy test

(c) Pyrogen test

(d) Clarity test

(vi) The friability should be :

(a) Less than 1%

(b) Less than 0.1%

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- (c) Less than 0.8%
- (d) Between 1 to 1.5%
- (vii) Bridging defect in tablets is due to :
- (a) Weight variation
- (b) Granule size
- (c) Poor flow
- (d) None
- (viii) Enteric coated tablet will not be dissolved in :
- (a) Intestine
- (b) Stomach
- (c) Both
- (d) None
- (ix) Aspartame is used as :
- (a) Plasticizer
- (b) Preservative
- (c) Artificial sweetener
- (d) Flavouring agent

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- (x) Orange peel effect is the defect of :
- (a) Tablets
- (b) Capsules
- (c) Tablet coating
- (d) None
- (xi) Direct inoculation method is for :
- (a) Sterility testing
- (b) Pyrogen testing
- (c) Clarity testing
- (d) Suspension testing
- (xii) Zinc pyrithine is used in shampoo as
- (a) Conditioner
- (b) Cleanser
- (c) Antidandruff
- (d) Detergent
- (xiii) Biphasic liquid dosage form with immiscible liquids is :
- (a) Suspension

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- (b) Syrup
(c) Emulsion
(d) All of the above
- (xiv) Cochineal is which type of colouring agent :
- (a) Animal colour
(b) Mineral colour
(c) Vegetable colour
(d) All of the above
- (xv) Licorice is used with _____ taste.
- (a) Sour
(b) Salt
(c) Bitter
(d) Sweet
- (xvi) Collapsible tubes are made up of :
- (a) Tin
(b) Lead
(c) Aluminium
(d) All of the above

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- (xvii) Following is used as test for packaging :
- (a) Drop test
(b) Shock test
(c) Vibration test
(d) All of the above
- (xviii) Cetyl pyridinium chloride is used as
- (a) Preservative
(b) Colouring agent
(c) Flavouring agent
(d) Sweetening agent
- (xix) Erythrosine is which category of colouring agent :
- (a) D and C
(b) FD and C
(c) None
(d) All of the above
- (xx) Gloss and hardness of lipstick is dependent on :
- (a) Oil mixture
(b) Wax mixture

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- (c) Bromo mixture
(d) Surfactants

Part-B**(Long Answer Type Questions) 2×10=20**

Note : Answer any two questions. Each question carries 10 marks.

2. Define aerosols and discuss formulation considerations of aerosols.
3. What are ophthalmic preparations discuss their evaluation parameters?
4. Name various types of tablet coating and explain sugar coating in detail.

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Part-C**(Short Answer Type Questions) 7×5=35**

Note : Answer any seven questions. Each question carries 5 marks.

5. Explain BCS classification of drugs.
6. Explain theories of emulsification.
7. Write note on various evaluation parameters of parenteral products.
8. Discuss additives of formulation of shampoos.
9. Discuss factors influencing choice of containers.
10. Discuss pelletization process.
11. Explain wet granulation method of tablet preparation.
12. Explain various steps for the production of hard gelatin capsule shells.

13. Define preformulation studies and explain any one type of chemical properties.