

Manipal College of Pharmaceutical Sciences
Manipal Academy of Higher Education, Manipal

BPharm Semester I ----- End Semester Theory Make-up Examination –July 2021
Subject: PCE-BP103T Pharmaceutics-I

Date: 30-7-2021

Duration: 02:00 h (2:30 to 4:30 pm)

Max. Marks: 50

I Multiple Choice Questions (MCQs)

10 Q × 1 mark = 20 marks

1. _____ is known as Father of Indian Pharmacy Education'
 - a. Prof R N Chopra
 - b. **Prof M L Schroff
 - c. Prof P C Ray
 - d. Prof B N Ghosh

2. The famous book written by Dioscorides is
 - a. National Formulary
 - b. **De materia medica
 - c. The Canon of Medicine
 - d. Drug Compendia

3. Long term smokers are unusually resistant to the effects of nicotine. What is this resistance known as?
 - a. **Tolerance
 - b. Synergism
 - c. Antagonism
 - d. Idiosyncrasy

4. Martindale is the name given for
 - a. **Extra Pharmacopoeia
 - b. Merck Index
 - c. National Formulary
 - d. Drug Compendia

5. Which of the following is not a system of measure?
 - a. Avoirdupois system
 - b. Apothecaries system
 - c. Troy system
 - d. **Bureau of Indian Standards

6. Convert 3 lb to $\bar{3}$
 - a. **36
 - b. 30
 - c. 24
 - d. 32

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7. Convert 80% v/v into approximate proof strength.
 - a. 30° u/p
 - b. 70° o/p
 - c. 70° u/p
 - d. **40° o/p

8. Nauseous/ disagreeable powders are dispensed as _____ (1)
 - a. Snuffs
 - b. **Cachets
 - c. Dentifrices
 - d. Insufflations

9. Identify the monophasic liquid dosage form from the following:
**Syrup
Suspension
Emulsion
Magma

10. Additives are the substances which are included during formulation of dosage form but
 - a. **Do not have any therapeutic activity of their own
 - b. Have therapeutic activity of their own
 - c. Both
 - d. None of the above

11. Following dosage form exhibit higher rate of bioavailability
 - a. powders
 - b. suspensions
 - c. Capsules
 - d. **Solutions

12. All of the following liquids are for internal use except
 - a. Syrup
 - b. Elixir
 - c. **Liniment
 - d. Aromatic water

13. Mouth washes do not contain the following ingredient
 - a. Antiseptic
 - b. Humectant
 - c. Surfactant

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d. **Disinfectant

14. Incompatibility which can be rectified by addition or substitution of one ingredient in the prescription with another of equal therapeutic value is called as

- a. Tolerated
- b. Primary
- c. Drug related
- d. **Adjusted

15. Bougies are meant for insertion into

- a. **Urethra
- b. Oral cavity
- c. Rectum
- d. Vagina

16. What is the ratio (by weight) of gelatin and glycerine in glycerogelatin suppository base?

- a. **Gelatin 20%, glycerine 70%
- b. Glycerine 70%, gelatin 20%
- c. Gelatin 10%, glycerine 80%
- d. Glycerine 80%, gelatin 10%

17. Which of these is not a physical incompatibility?

- a. **Modified GI absorption
- b. Immiscibility
- c. Liquefaction
- d. Insolubility

18. _____ is a mixture of glyceryl esters of stearic, palmitic and oleic acids

- a. Witepsol
- b. Adeps solidus
- c. **Cocoa butter
- d. Macrogol bases

19. Lanolin is

- a. White Soft Paraffin
- b. Poly ethylene glycol
- c. **Hydrous wool fat
- d. Hard Paraffin

20. PEG ointment bases have one of the following property.

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- a. **Hygroscopic in nature
- b. Undergo hydrolysis
- c. Greasy in nature
- d. Show rancidity

II Short Answer questions

6 Q × 5 marks = 30 marks

1	Enlist the tests used to identify W/O type of emulsion and explain any TWO.	5 marks
2	Explain the electrical and kinetic properties of suspension.	5 marks
3	Explain the chemical reaction preparation method of ointments.	5 marks
4	Name and define any five types of liquid dosage forms	5 marks
5	Explain chemical incompatibilities with examples.	5 marks
6	What are suppositories? Explain two factors affecting drug absorption from rectal suppositories	5 marks