

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

BPharm Semester I ----- End Semester Examination –June 2021

Date: 19-6-2021

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

Max. Marks: 50

I Multiple Choice Questions (MCQs)

10 Q × 1 mark = 20 marks

Q1. Prescription abbreviation 'Fiat Misture' means

1. Make a mixture
2. You make
3. After meals
4. Before meals

Q2. This person is known as Father of Indian Pharmacology.

1. Prof R N Chopra
2. Prof M L Schroff
3. Prof P C Roy
4. Prof B N Ghosh

Q3. Which of these liquids is meant for internal use?

1. Liniments
2. Syrups
3. Douches
4. Irrigation

Q4. The Drugs and Cosmetics Act was first issued in _____.

1. 1970
2. 1974
3. 1940
4. 1945

Q5. The concentration of sodium chloride required to make 1% w/v solution of ABC iso-osmotic with blood plasma (F.P of 1% w/v ABC = -0.288°C and F.P of 1% w/v sodium chloride = -0.576°C). (1)

1. 1.402% w/v
2. 0.553% w/v
3. 0.194% w/v
4. 0.402% w/v

Q6. Convert 40% v/v into proof strength. (1)

1. 30°u/p
2. 70°o/p
3. 70°u/p
4. 30°o/p

Q7. Convert $3\bar{3}$ to drams. (1)

1. 8
2. 16
3. 24
4. 32

Q8. Following statement is TRUE with respect to powder formulations. (1)

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1. Deliquescent drugs can be dispensed
2. Volatile drugs are not suitable for dispensing
3. Less stable than liquid dosage form
4. Adequate dose can be dispensed

Q9. Long term smokers are unusually resistant to the effects of nicotine. What is this resistance known as?

1. Tolerance
2. Synergism
3. Antagonism
4. Idiosyncrasy

Q10. First pass metabolism of drug can NOT be avoided by using _____. (1)

1. Oral liquids
2. Nasal preparations
3. Enemas
4. Topical preparations

Q11. Mouthwashes contain all of these except (1)

1. Humectant
2. Surfactants
3. Lubricants
4. Flavouring agents

Q12. Following is NOT TRUE for nasal preparations _____. (1)

1. Large surface area for drug absorption
2. Highly vascularized nasal tissues allows rapid absorption
3. Anti-microbial preservatives are not added
4. Avoids first pass metabolism

Q13. Following statements are correct for liniments EXCEPT (1)

1. Liniments are aqueous or oily based solutions
2. Liniments are applied without friction
3. Liniments are used for external Use Only
4. Liniments are not to be applied to broken skin

Q14. Incompatibility which can be rectified by addition or substitution of one ingredient in the prescription with another of equal therapeutic value is called as (1)

1. Tolerated
2. Primary
3. Drug related
4. Adjusted

Q15. Pessaries are meant for insertion into (1)

1. Ear
2. Urethra
3. Rectum

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4. Vagina

Q16. These powders composed of acids and sodium bicarbonate, when added to water, liberate CO₂. (1)

1. Explosive powders
2. Efflorescent powders
3. Effervescent powders
4. Deliquescent powders

Q17. Which of these is not a physical incompatibility? (1)

1. Modified GI absorption
2. Immiscibility
3. Liquefaction
4. Insolubility

Q18. Which of these suppository bases is hydrophobic in nature? (1)

1. Macrogol 2000
2. Theobroma oil
3. PEG 400
4. Glycerogelatin

Q19. Divided powders are used for (1)

1. Non potent drugs
2. Drugs where dose accuracy is not important
3. Potent Drugs
4. External use

Q20. Oleic acid after combining with iodine forms. (1)

1. Di-iodooleic acid
2. Di-iodostearic acid
3. Iodo-dioleic acid
4. Iodo-distearic acid

II Short Answer questions

6 Q × 5 marks = 30 marks

1	Write the significance of Stoke's equation in the formulation of suspension.	5 marks
2	Enlist the tests used to identify W/O type of emulsion and explain any TWO.	5 marks
3	Explain the features, merits and demerits of hydrocarbon semisolid bases with TWO examples.	5 marks
4	List the advantages and disadvantages of liquid oral dosage forms.	5 marks
5	Explain therapeutic incompatibility with examples.	5 marks
6	Define suppositories. Describe the methods of preparation of suppositories.	5 marks