

PARUL UNIVERSITY
FACULTY OF PHARMACY
D. Pharm. May -2022 Examination

Year: First

Subject Code: ER20-11T

Subject Name: Pharmaceutics-I Theory

Date: 16/05/2022

Time: 10:00am to 1:00pm

Total Marks: 80

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Multiple Choice Questions (MCQs) (1 Mark Each)**(20)**

1. Suppositories used for nasal route is called as _____
 A. Passeries
 B. Ear cones
 C. Nasal Bougies
 D. None of the above
2. Latest version of Indian Pharmacopoeia is
 A. 2010
 B. 2012
 C. 2018
 D. 2015
3. Gelatin is extracted from
 A. Bones
 B. plants
 C. Both
 D. None of the above
4. Emulsion can be filled in _____ type of capsule.
 A. Hard gelatin
 B. soft gelatin
 C. Both
 D. None of the above
5. Syrup IP contains _____% of sugar.
 A. 50
 B. 66.7
 C. 25
 D. 15
6. _____ is applied with rubbing.
 A. Lotion
 B. Liniment
 C. Syrup
 D. None of the above
7. From the following which is natural suspending agent?
 A. Acacia gum
 B. Tragacanth gum
 C. Both
 D. None of the above
8. Dusting powder does not contain _____ from the following.
 A. Talc
 B. ZnO
 C. Starch
 D. sweetener
9. Humectant is used in which dosage form?
 A. syrup
 B. Cream
 C. Suspension
 D. Elixir
10. Hammer mill cannot be used for _____ type of material?
 A. Sticky
 B. fibrous
 C. Both
 D. None of the above
11. From the following which is not an example of preservative?
 A. Benzalkonium Chloride
 B. Methyl Paraben
 C. Propyl Paraben
 D. None of the Above
12. Which mill work on principle of impact and attrition ?
 A. Ball mill
 B. Hammer mill
 C. Both
 D. None of the Above
13. Plastic is permissible to _____.
 A. Alcohol
 B. solid substances
 C. Water vapors
 D. None of the Above
14. First course of bachelors of pharmacy started in year _____.
 A. 1920-22
 B. 1912-14
 C. 1936-38
 D. 1950-52

15. Who is father of pharmaceutical education in India ?
 A. Professor M L Shroff
 B. Professor M M Malaviya
 C. Both
 D. None of the Above
16. Sieves are identified by which number
 A. BSS number
 B. SI number
 C. Both
 D. None of the Above
17. From the following which is artificial sweetener?
 A. Sucrose
 B. Fructose
 C. Aspartame
 D. None of the Above
18. Silverson mixer homogenizer is used for _____.
 A. Liquid
 B. Powder
 C. Both
 D. None of the Above
19. Primary and secondary drying is observed in _____.
 A. Fluidized bed dryer
 B. Hammer mill
 C. Freeze drying
 D. None of the above
20. _____ suppository base is also known as Theobroma Oil
 A. Witepsol
 B. Polyethylene glycol
 C. Cocoa Butter
 D. Propylene glycol

Q.2 Short Answers (Answer 10 out of 11) (3 Mark Each)

(30)

1. Explain Pharmacy as a Career.
2. Classify Glass and mention advantages of Glass as Packaging material.
3. Classify Coloring agents with example.
4. Write a Short note on Hammer Mill.
5. Differentiate between vaccine and sera.
6. Explain working principle of Double cone blender.
7. Describe working principle of Fluidized Bed Dryer.
8. Write a Short note on Suppository Bases.
9. Classify and Explain Emulsion.
10. Define Calibration and Validation.
11. Briefly describe Capsules.

Q.3 Long Answers (Answer 6 out of 7) (5 Mark Each)

(30)

1. Explain process of freeze drying.
2. Classify and explain Novel Drug Delivery system.
3. Write factors affecting filtration.
4. Explain in detail about suppositories.
5. Explain Lotions and Liniments.
6. Give Principle, working and application of Ball Mill.
7. Write a Short note on Indian Pharmacopoeia.