

PARUL UNIVERSITY
FACULTY OF PHARMACY
D.Pharm., November 2019 Examination

Year: 2

Subject Code: 08600201

Subject Name: Pharmaceutics-II

Date: 23-11-2019

Time: 10:00 am to 01:00 pm

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. What is the metric equivalence of 2 drachm?
 - a) 8
 - b) 10
 - c) 9
 - d) 56.1
2. Which incompatibility shows synergistic effect of drug?
 - a) Chemical
 - b) Physical
 - c) Therapeutic
 - d) All of the above
3. _____ Powders are the well-known externally used bulk powders.
 - a) Dusting
 - b) Sprinkle
 - c) Compound
 - d) Hygroscopic
4. Clarity test is done to ensure that the parenteral products are free from _____.
 - a) Particulate matter
 - b) Toxin
 - c) Foreign particles
 - d) None
5. "Rx" symbol belongs to which part of prescription.
 - a) Subscription
 - b) Superscription
 - c) Signatura
 - d) Inscription
6. Emulsifying agents reduce _____ between two phases.
 - a) Interfacial tension
 - b) Both
 - c) Surface tension
 - d) Intermolecular forces
7. Suppositories are used to produce _____ action.
 - a) Indirect
 - b) Direct
 - c) Local
 - d) Systemic
8. _____ found a HLB system for calculating the required amount of desired emulgents.
 - a) Gouy
 - b) Griffin
 - c) Griffith
 - d) Newton
9. _____ are the dosage forms introduced in to body cavities.
 - a) Pessaries
 - b) Suppository
 - c) Bougies
 - d) Capsule
10. The particle size range of suspended drug particles in suspension is ____ μm
 - a) 0.5-4
 - b) 0.5-2
 - c) 0.5-5
 - d) 0.1-5
11. Inscription is the _____ of the prescription.
 - a) Body
 - b) End
 - c) Title
 - d) None of the above
12. One gram means _____ miligram.
 - a) 1000
 - b) 100
 - c) 10000
 - d) 10
13. Flocculating agents reduce _____ between two phases.
 - a) Interfacial tension
 - b) Miscibility
 - c) Stabilization
 - d) Surface tension

14. The LAL test is used for evaluating the ____.
- a) Pyrogen
b) Endotoxin
c) Both
d) Pathogen
15. The HEPA filter can remove particle upto ____ μm .
- a) 0.5
b) 0.1
c) 0.4
d) 0.3
16. The HLB value of Tween 80 is ____.
- a) 15
b) 13
c) 17
d) 18
17. _____ is also called allergic reaction of the drug.
- a) Idiosyncrasy
b) Toxicity
c) Hypersensitivity
d) Tachyphylaxis
18. What products can be used to clean teeth?
- a) Dentifrices
b) Powder
c) Cleansing agents
d) Insufflator
19. HEPA Full form ____.
- a) High Effective Particulate air filter
b) High Efficient Particle air filter
c) High Efficiency particulate air filter
d) None
20. Which route is selected to get rapid therapeutic action?
- a) Intravenous
b) Rectal
c) Oral
d) Subcutaneous

Q.2 Long Answers (any 8 out of 10) (05 Mark Each)

(40)

- Describe the stability of emulsion.
- Give short note on sterility testing for sterile dosage forms.
- What are ointments? Classify the ointment bases in the preparation of ointments. Discuss any one in detail.
- What is physical incompatibility? Explain the physical incompatibility which occurs due to
a) Immiscibility b) Liquefaction c) Insolubility d) Precipitation.
- Define cosmetics. Write an ideal qualities and formulation ingredients of lipsticks.
- Write about the evaluation test for sterile products.
- Define prescription. Describe various parts of a prescription.
- Describe formulation component and labeling requirement of ophthalmic preparations.
- What are suspensions? Write the qualities of an ideal suspension. How will you dispense a suspension containing indiffusible solid?
- Describe in detail about evaluation of ointments.

Q.3 Short Answers (2 Mark Each){ Answer any 10}

(20)

- What does the term "tolerated incompatibility" mean?
- Describe the identification test for differentiating the emulsion.
- Write a short note on total parenteral nutrition.
- Differentiate: Flocculated and Non Flocculated Suspension.
- Enlist the various factors affecting dose of drugs.
- Explain advantages and disadvantages of semisolid dosage forms.
- Define: Dentifrices and Vanishing cream.
- Give a brief about of displacement value.
- Give a short note on Foundation creams.
- Differentiate: paste and jellies.
- Write a note on formulation of shampoos.
- Draw a labeled layout of aseptic area.