

**B. PHARM.  
FIFTH SEMESTER  
INDUSTRIAL PHARMACY I  
BP502T  
[USE OMR FOR OBJECTIVE PART]**

**SET  
A**

Duration : 3 hrs.

Full Marks : 75

Time : 30 min.

**( PART-A: Objective )**

Marks : 20

1×20=20

*Choose the correct answer from the following:*

1. Which is not a physical property of preformulation?
  - a. Crystallinity
  - b. Racemization
  - c. pH
  - d. Solubility
2. Self life of a drug is determined by
  - a. Stability study
  - b. Chemical analysis
  - c. Assay
  - d. Pharmacovigilance
3. Example of opacifying agent?
  - a. Titanium di oxide
  - b. Carmine
  - c. Ethanol diamine
  - d. Propylene glycol
4. Plasticizers are used to improve\_\_\_\_
  - a. Flexibility
  - b. Solubility
  - c. Stability
  - d. pH
5. Which one is a coating defect?
  - a. Capping
  - b. Mottling
  - c. Sticking
  - d. Orange peel
6. Partial or complete separation of the top or bottom part of tablet?
  - a. Capping
  - b. Cracking
  - c. Lamination
  - d. Chipping
7. Adhesion of granulation material to the die wall?
  - a. Mottling
  - b. Lamination
  - c. Picking
  - d. Sticking
8. Which is perforated coating machine?
  - a. Accela-cota system
  - b. Immersion sword system
  - c. Baffled pan and diffuser
  - d. Fluidized bed coater
9. According to IP, what is the limit for Friability?
  - a. 0.5%
  - b. 1%
  - c. 5%
  - d. 10%
10. Which dosage form provides 100% bioavailability?
  - a. Liquid
  - b. Microemulsion
  - c. Parenteral
  - d. Nano gel

11. Pyrogen test is done in which dosage form?  
a. Solid  
b. Liquid  
c. Parenteral  
d. Semi Solid
12. Which is a wetting agent used in liquid dosage form?  
a. PVP  
b. Na CMC  
c. Polysorbate 80  
d. Microcrystalline cellulose
13. Which is a preservative used in ophthalmic dosage form?  
a. BHT  
b. Na CMC  
c. Benzalkonium Chloride  
d. Carmine
14. What will be proper packaging material for photosensitive material?  
a. Alu Alu  
b. Strip  
c. PVC  
d. PVDC
15. What do you understand by term isotonicity?  
a. Same osmotic pressure  
b. Same colour  
c. Same concentration  
d. None of the above
16. Sun screens are used to protect the skin from?  
a. UV rays  
b. hydration  
c. dryness  
d. Black spot
17. Vehicle used in aerosol formulation are called?  
a. Propellant  
b. solvent  
c. glycerin  
d. None of the above
18. Pyrogen can be identified by?  
a. pH  
b. Microbial test  
c. Assay  
d. LAL test
19. Which is a base used in lipstick?  
a. Carnauba wax  
b. glycerin  
c. Ethanol diamine  
d. Propylene glycol
20. Large size of capsule is represented by which symbol?  
a. 000  
b. 5  
c. 00  
d. 1
- --- --

**( PART-B: Descriptive )**

Time : 2 hrs. 30 min.

Marks : 35

*[ Answer any seven (7) questions ]*

- |                                                                                                       |       |
|-------------------------------------------------------------------------------------------------------|-------|
| 1. Discuss impact of preformulation studies on dosage form.                                           | 5     |
| 2. What is Lipstick? Write manufacturing process of Lipstick.                                         | 1+4=5 |
| 3. Write formulation consideration of suspension.                                                     | 5     |
| 4. Explain disintegration and dissolution test with limits.                                           | 5     |
| 5. Write the process of manufacturing hard gelatin capsules.                                          | 5     |
| 6. Write manufacturing component of tablet dosage form.                                               | 5     |
| 7. Write manufacturing component of parenteral dosage form.                                           | 5     |
| 8. Mention five advantages and disadvantages of aerosol dosage form.                                  | 5     |
| 9. Define primary and secondary packing. Explain types of glass and its advantages and disadvantages. | 2+3=5 |

**PART-C : Long type questions**

*[ Answer any two (2) questions ]*

1. Write a note on different excipients used in tablet dosage form and Syrup dosage form. 5+5=10
2. Define Cosmetics? Mention ideal characteristics of good lipsticks and also explain formulation component of Lipstick. 1+3+6=10
3. Define parenteral dosage form. Write its types, advantages and disadvantages. Explain general requirements of ophthalmic preparations. 1+2+3+5=10