

KATHMANDU UNIVERSITY
End Semester Examination [C]
April/May, 2023

Marks Scored:

Level : B.Pharm.
Year : III

Course : PHAR 321
Semester : I

Exam Roll No. :

Time: 30 mins.

F. M. : 20

Registration No.:

Date 30 APR 2023

SECTION "A"
[20 Q. × 1 = 20 marks]

Encircle the most appropriate option.

- Which among the following technique is NOT suitable for polymorphism study?
a. Capillary melting b. Hot stage microscopy
c. Differential scanning calorimetry d. Thin layer chromatography
- Which one of the following is an example of tablet binder?
a. Ac-di-sol b. Talc c. Primojel d. Sucrose
- In a tablet compression machine, tablet weight is NOT affected by adjusting
a. Pressure roller b. Powder volume in hopper
c. Weight adjustment knob d. Hopper to feed frame distance
- Which among the following shows correct order for stages of granulation?
a. Dry-Pendular-Capillary-Funicular b. Dry-Pendular-Funicular-Capillary
c. Dry-Funicular-Pendular-Capillary d. Dry-Funicular-Capillary-Pendular
- Drying material is agitated in dryer.
a. Tunnel b. Truck c. Freeze d. FBD
- At the end of, critical moisture content (CMC) is reached.
a. Initial adjustment b. Constant rate period
c. First falling rate period d. Second falling rate period
- Pharmaceutical mixed powder is an example of
a. Positive mixture b. Negative mixture
c. Neutral mixture d. Variable mixture
- Drying air is introduced through hollow perforated ribs in
a. Conventional pan b. Glatt coater
c. Immersion tube d. Accela-cota
- Which of the following step in sugar coating of tablet is used for making tablet spherical?
a. Rounding b. Sub coating c. Smoothing d. Spheronization

10. Which of the following is **NOT** an example of coating defect?
a. Pitting b. Dull c. Filling d. Leaching
11. Which of the following is **NOT** an example of enteric coating polymers
a. Shellac b. Hypromellose acetate succinate
c. Polyvinyl Acetate Phthalate d. Cellulose phthalate
12. Which of the following ingredients in the coating formulation is used as plasticizer?
a. IPA b. CAP c. PEG d. SLS
13. Which among the following material can be used for preparation of hard gelatin capsule shell for oral administration of drug?
a. PVA b. PET c. PVC d. PVDC
14. Compressor in Semi-automatic Hard Gelatin capsule filling machine is used for
a. Orientation of empty capsule shell b. Filling of empty capsule shell
c. Opening of empty capsule shell d. Sealing of filled capsule shell
15. Mineral oil in soft gelatin capsules is used as
a. Gelatin diluter b. Softening agent c. Vehicle d. Moisturizer
16. Decrease in moisture content of empty hard gelatin capsule shell below 10% can render it
a. Brittle b. Flexible c. Sticky d. Color loss
17. After microencapsulation of Vitamin A, it is available as
a. Tablet b. Capsule c. Dry Powder d. Solution
18. Encapsulation of Peppermint oil and methyl salicylate is done to.
a. Avoid incompatibilities b. Reduce volatility
c. Taste masking d. Reduce gastric irritation
19. Which among the following is most importantly prevented for stability of an emulsion?
a. Breaking b. Coalescence c. Flocculation d. Creaming
20. Insoluble Powders used in semisolid preparations must be.....
a. gritty to touch b. <75 μ in size
c. crystalline form of drug d. hygroscopic in nature