

USN

Question Paper Version : C

Fifth Semester B.E. Degree Examination, Dec.2023/Jan.2024

Extraction Methods and Herbal Products

Time: 1 hr.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the **fifty** questions, each question carries one mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

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1. Volatile oil determined by using which apparatus
a) Soxhelt b) Clevenger apparatus c) Reflux d) Distillation
 2. Study of constituents by application of chemical method to quantities of drug known as
a) macroscopic b) chemomicroscopy c) qualitative d) morphological
 3. Active Marker contribute to therapeutic action of drug, where as analytical marker serve
a) Analytical purpose b) Chemical c) Morphological d) Biological
 4. Lowest Amount of Analyte in a sample which can be detected not exact value
a) Detection Limit (DL) b) Quantitation Limit (QL)
c) Accuracy d) Reliability
 5. Thin Layer chromatography also called as
a) Planar chromatography b) Liquid chromatography
c) Gas chromatography d) Quantitative technique
 6. Stronger adsorbent like Aluminium oxide used for weakly adsorbed and for strongly adsorbed weak adsorbent
a) Cellulose b) Silica c) Aluminium d) Silicon
 7. Polar constituent suited for reverse phase silica gel where as normal phase silica gel
a) Polar constituent b) Non polar constituent
c) Chemical d) Biological
 8. Typical volume for spot application in chromatography
a) 10 μ L b) 5 μ L c) 3 μ L d) 4 μ L

9. Suitable gas used as solvent in super critical fluid extraction is
 a) CO₂ b) NO₂ c) O₂ d) NH₄OH
10. Counter current extraction method is used by
 a) Carousel extractor b) Soxhelt
 c) Reflux d) Bioguided fractionation
11. The father of Pharmacognosy is -----
 a) Schmidt b) Crr.A, Seydler c) Charaka d) Shen Nung
12. The name pharmaconosy is coined in year
 a) 1811 b) 1851 c) 1815 d) 1814
13. Mineral originated crude drug is -----
 a) Gelatin b) Talc c) Silk d) Coal
14. The father of medicine is -----
 a) Theophrastus b) Aristotle c) Hippocrates d) Charaka
15. "De Mater a Medica" was written by
 a) Aristotle b) Elder c) Dioscorides d) Hippocrates
16. The plant is having multiple stems and shorter height in known as
 a) Herb b) Shrub c) Cruper d) Tree
17. Bark containing plant drug is -----
 a) Castor b) Cinchona c) Mango d) Mustard
18. Name the botanical name for Tulsi ----
 a) Ecliptaalba b) Stevia rebaudiana c) Ocimumsanclum d) Bacopa Monnieri
19. What is meaning of teja used in panchbhutas
 a) Air b) Space c) Fire d) Water
20. Which is example for unorganized drug
 a) Beeswax b) Amla c) Tulsi d) Mint
21. "Vata" composed of
 a) Air and water b) Ether and earth
 c) Air and fire d) Air and ether
22. Siddha medicine system originated from -----
 a) Karnataka b) Kerala c) Tamil Nadu d) Andhra Pradesh
23. "like with like" is the principle of -----
 a) Homeophathy b) Ayurveda c) Unani d) Siddha

24. "Yin and Yang" stand for -----
a) Fire and Yang
b) Heat and cold
c) Cold and heat
d) Pulse and Headche
25. Non volatile liquid alkaloid is -----
a) Colchicine
b) Betanin
c) Nicotine
d) Pilocarpine
26. Example of O-linage glycoside is -----
a) Aloe
b) Cochineal
c) Rhubarb
d) Gentian
27. Million's reagent reacts with animal fibre to give ---- precipitate
a) Violet
b) Yellow
c) Red
d) White
28. Fabric is prepared from
a) Chitin
b) Cellulose
c) Hemicellulose
d) None of these
29. Type B gelatin has isoinic point -----
a) 7 - 9
b) 4 - 5
c) 9 - 12
d) 1 - 4
30. Fiche's test is carried out detect adulterant of Honey with ----
a) Inverted sugar
b) Cane sugar
c) Glucose
d) Commercial sugar
31. Shinoda Test is performed to confirm
a) Alkaloid
b) Cardiac glycoside
c) Tannin
d) Flavonoid
32. Phenazone test is for
a) Tannin
b) Volatile oil
c) Resin
d) None of these
33. Amber resin is
a) Natural
b) Chemical
c) Derived
d) None of these
34. The finely ground crude drug is placed in a Porous Bag which is placed in Soxhlet
a) Galen
b) Marc
c) Thimble
d) flavors
35. Penicillin was discovered by
a) Alexander Fleming
b) Willium Fleming
c) Flory
d) Calvin
36. COCOA butter is adulterated with -----
a) Paraffin
b) Limestone
c) Kokumbutter
d) lard
37. Haemolytic activity is carried out for
a) cardiac glycoside
b) saponin glycoside
c) cyanogenetic glycoside
d) flavonoids

38. Swelling Index is carried out for
a) Isphagula b) digitals c) clove d) aloes
39. UV visible spectrophotometer spectral region from 380-900nm is known as
a) UV region b) Visible region c) transition region d) Infrared
40. Which is plant medicine used for long time in South America?
a) Morphine b) Quinine c) Caffeine d) Ephedrine
41. Find the source from which antibiotic such as polymyxin B obtain
a) Mineral b) Plant c) Animal d) Microbial
42. Amorphous solid alkaloid is -----
a) Datura b) Emetine c) Ephedra d) Caffeine
43. The selective solvent used for extraction process known as
a) Menstruum b) galenials c) percolate d) Siphon
44. The ratio of crude drug to water used is
a) 1 : 2 b) 1 : 6 c) 1 : 4 d) 2 : 4
45. The solvent used in phytonics process is 1, 1, 2, 2, - tetra fluoroethane better known as
a) Fluoro ethane b) Fluoroethyle - 134 c) Hydrofluorocarbon - 134a d) Pentane
46. The method for producing essential oils was introduce by
a) Von Rechenberg b) CA Seydler c) J.A Schmidt d) Charaka Samhitha
47. Which substance is used as a surface for extraction in enfleurage process
a) Alcohol b) Fat c) Water d) Chloroform
48. Source of Quinine is
a) Root b) Bark c) Leaver d) Stem
49. Solvent that is not use for separation of Aglycone
a) Chloroform b) Actone c) Ether d) Pet Ether
50. Populin is what type of secondary metabolite
a) Alkaloid b) Glycoside c) Tannin d) Resin
