



VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University under section 3 of the UGC Act 1956)

Pharmacy

Instructions:

1. Answer all the questions.
2. Read each question carefully and write the correct answer for each question chosen by you with black/blue pen in the answer sheet provided.
3. No negative marks for wrong answers.
4. Return the question paper along with the answer sheet.

Time: 90 Minutes

Marks: 70

Venue:-----

Part B

[35X1=35]

1. Beer- Lamberts law principle used in ____ analysis.
 - a) U.V Visible spectroscopy
 - b) Fluorimetry
 - c) Mass spectroscopy
 - d) NMR Spectroscopy
2. Low energy ----- emitters cannot be detected satisfactorily with Geiger Counter
 - a) Alpha
 - b) Beta
 - c) Gamma
 - d) Both alpha & beta
3. Method to count anaerobes
 - a) The Miller Prickett Tube
 - b) Ingram's method
 - c) Both a & b
 - d) Visual method



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4. Tollens test indicates the presence of
 - a) Aldehyde
 - b) Phenols
 - c) Quinones
 - d) Iodine

5. The structural component of heparin is
 - a) Guanine
 - b) Galacturonic acid
 - c) Adenine
 - d) Glucuronic acid

6. Bentonite is used as
 - a) Antidote for heavy metal poison
 - b) Astringent
 - c) Germicide
 - d) Reducing agent

7. When protein is treated with a small amount of sodium hydroxide and with cupric sulphate which forms violet colour is
 - a) Millon's test
 - b) Xanthoproteic acid
 - c) Biuret test
 - d) Hopkins cole test

8. In a reaction if oxidation and reduction are happening is called as ____ titration.
 - a) Reduction
 - b) Oxidation
 - c) Complexometric
 - d) Redox

9. Toxins they are retained within the bacteria and are freed only when the cells die and start to disintegrate.
 - a) Exotoxins
 - b) Endotoxins
 - c) Both a & b
 - d) Virulence



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10. An example for anticoagulant
- Sodium Lactate
 - Calcium mandelate
 - Sodium citrate
 - All electrolytes
11. Unimolecular nucleophilic substitution reaction is
- SN^1 reaction
 - SN^2 reaction
 - Aldol condensation
 - Both a & b
12. Which class of drugs will undergo automatic stop orders except
- Sedatives
 - Narcotics
 - Antacids
 - Anticoagulants
13. List of drugs and ailments that drug should not claim to cure will fall under
- Schedule J
 - Schedule K
 - Schedule M
 - Schedule O
14. Sealing process of tablets in sugar coating is
- To prevent moisture penetration
 - To enhance color
 - To improve bioavailability
 - To retard drug release.
15. In which titration indicator is not used?
- Acid-Base titration
 - Acidimetric titration.
 - Alkali metric titration
 - Potentiometric titration.



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16. Which type of Hepatitis is water borne
- a) Hepatitis A
 - b) Hepatitis A& E
 - c) Hepatitis B
 - d) Hepatitis E
17. Drug levels should be monitored in the treatment of
- a) Diabetes
 - b) Hypertension
 - d) Jaundice
 - d) Epilepsy
18. What is the percentage deviation limit for weight variation of soft gelatin capsules of less than 300 mg is
- a) 10%
 - b) 20%
 - c) 30%
 - d) 40%
19. Incompatibility of a compound is identified by
- a) DSC analysis
 - b) Viscometer
 - c) Hardness tester
 - d) Fluorimetry
20. Drug that worsen the asthmatic condition
- a) Metformin
 - b) Propranolol
 - c) Paracetamol
 - d) Metronidazole
21. Schedule S stands for
- a) Surgicals
 - b) Biological Products
 - c) Cosmetics
 - d) Disinfect fluids



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22. Eye lotions are used
- To Treating allergies
 - To control Glaucoma
 - To bathing the eyes
 - To control inflammation
23. Insecticide's act enacted in the year
- 1968
 - 1978
 - 1958
 - 1948
24. Find the correct gas used as carrier gas in Gas chromatography
- Oxygen
 - Carbon monoxide
 - Nitrogen
 - Carbon dioxide.
25. Dog senna is obtained from
- Cassia Obovata
 - Cassia occidentalis
 - Cassia senna
 - Cassia auriculata
26. Select the drug used to treat pernicious anemia
- Ferrous gluconate
 - Ferrous Fumarate
 - Iron Dextran
 - Cyanocobalamin
27. Pharmacovigilance is
- To identify the adverse drug effect
 - To identify Off label drugs
 - To identify the cost of drugs
 - To identify the FDA drugs
28. Pyrogen test of injectables are done by formation of _____ in bacterial endotoxin test is confirms the presence of micro organism
- Microbes
 - Clear liquid
 - Gels
 - Transparent liquid



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29. Which one of the following spectroscopy is incorrect?
- UV-MS
 - LC-MS
 - GC-MS
 - MS-MS
30. Medications which are ordered, administered and charged in multiples of dispensing system of single dose with predetermined amount of drug is
- Mobile dispensing
 - Non charge floor stock drug dispensing
 - Unit dose dispensing
 - Individual prescription dispensing
31. Drugs of low solubility and high permeability is classified as
- BCS-1
 - BCS-2
 - BCS-3
 - BCS-4
32. Which antihypertensive drug act on the renin angiotensin system
- Methyldopa
 - Clonidine
 - Metoprolol
 - Captopril
33. Nutmeg is obtained from Myristica fragrans of
- Fruit
 - Seed
 - Leaves
 - Kernels
34. In NMR Spectroscopy the variations of nuclear magnetic resonance frequencies of the same kind of nucleus, due to variations in the electron distribution, is called as.
- Physical shift
 - Chemical shift
 - Orbital shift
 - Atom shift.
35. Propellants are used in _____ formulations.
- Tablets
 - Syrup
 - Capsules
 - Aerosols

