

Model Questions (MCQs) Pharmacists 79

1. An alcoholic or hydro-alcoholic (more than 60% alcohol) solutions of volatile substance is known
A. Elixir B. Spirit C. Gargle D. Tincture
2. The application of liquid into rectum through the anus for cleansing, for stimulating evacuation of the bowels, or for other therapeutic or diagnostic purposes is known as.....
A. Enemas B. Suppositories C. Pessaries D. Implants
3. mill is used to reduce particle size of sticky materials.
A. Rod B. Fluid energy C. Ball D. Pin
4. If the drug distribute instantly throughout the body, the drug follows compartment model.
A. One B. Non C. Two D. Three
5. is required to calculate loading dose:
A. AUC B. V_d C. Clearance D. $C_{p_{max}}$
6. BCS class drug are having low solubility and high permeability.
A. I B. II C. III D. IV
7. To achieve proper coating, spray angle should be kept at° with the tablet bed.
A. 60 B. 45 C. 30 D. 90
8. In this glass, the surface is treated with sulphur dioxide;
A. Type I C. Type II
B. Type III D. Type IV
9. Hausner's ratio between 1.12-1.18 indicates...
A. Excellent flow C. Good flow
B. Poor flow D. Very Poor flow
10. The main part of punch which receives compression force from roller is;
A. Head C. Barrel
B. Head flat D. Inside Head angle
11. During pre-formulation studies, intrinsic solubility of a drug is measured at...
A. 4°C and 37°C B. -4°C and 37°C
C. 8°C and 40°C D. -8°C and 40°C
12. Tabletose is:
A. Starch C. Direct compressible lactose

- B. Direct compressible starch D. Dicalcium Phosphate
13. According to IP, the disintegration time of enteric coated tablet in mixed phosphate buffer(pH 6.8) after testing in 0.1MHCl is;
 A. 1 hour C. 2 hour
 B. 30 minute D. 45 minute
14. Which of the following is absorption base used to make ointment?
 A. Hard Soft Paraffin C. Anhydrous Lanolin
 B. Poly ethylene glycol D. White ointment
15. The area under the serum concentration versus time curve represents
 A. Biological half life
 B. Amount of drug cleared by kidneys
 C. Amount of drug in original dosage form
 D. Amount of drug absorbed
16. PDCA cycle in quality means
 A. Prepare, Do, Check and Act C. Plan, Do, Check and Act
 B. Perform, Do, Check and Act D. Proceed, Do, Check and Assure
17. Wetting ability of vehicle is detected by observing...
 A. Contact angle C. Angle of repose
 B. Critical angel D. Carr's index
18. The substance which increase the viscosity of the continuous phase in a suspension is known as:
 A. Suspending agent C. Wetting agent
 B. Flocculating agent D. Dispersing agents
19. Carr's Consolidation index 5-10% means Flow property.
 A. Excellent B. Good C. Fair D. Poor
20. is used to cut DNA molecule in rDNA technology
 A. Ligase C. Phosphatase
 B. Ribonuclease D. Restriction enzymes
21. PPE in biosafety is
 A. Public protective equipment
 B. Personal Protective Equipment
 C. Possible protective equipment
 D. Passable protective equipment
22. The Best method for Aspirin Tablet manufacturing is:
 A. Wet granulation C. Aqueous auto processing
 B. Aqueous manual granulation D. Dry granulation
23. Decrease in moisture content of empty capsule below 10% can render the capsule

- A. Brittle B. Flexible C. Sticky D. Color loss
24. Filler is synonymous to.....
A. Binder B. Disintegrant C. Diluents D. Glidant
25. In, both heat and pressure are used.
A. Digestion C. Decoction
B. Infusion D. Maceration
26. The provides the alternative route to aromatic compound; particularly aminated as Tyrosine, Tryptophan etc.
A. Shikimate pathway C. Mevalonate pathway
B. Acetate pathway D. DOXP pathway
27. Which one is cyanogenic glycoside?
A. Digoxin B. Glycyrrhiza C. Sennosides D. Amygdalin
28. Phenytoin can be synthesized by using;
A. Benzil B. Benzoyl chloride C. Glycine D. Benzoic acid
29. Which of the following is not a Catecholamine Neurotransmitter?
A. Dopamine C. Noradrenalin
B. Serotonin D. Adrenaline
30. Dextromethorphan contains the following functional group in its aromatic ring:
A. CH_3 B. $-\text{OCH}_3$ C. $-\text{OH}$ D. $-\text{COOH}$
31. Pethidine and Procaine both contain N-alkyl radical and both are ester, during first phase of metabolism N-dealkylation occurs which is denoted as:
A. Oxidative Reaction C. Reductive Reaction
B. Hydrolysis D. Electrophilic reaction
32. ----- acts as antitussive by selectively suppressing cough without narcotic, analgesic, or dependence inducing properties:
A. Codeine C. Bromhexine
B. Noscapine D. Pholcodeine
33. Which of the following alkaloids contain the N-atom in the tertiary-amine form (R_3N):
A. Morphine C. Ephedrine
B. Berbarine D. Cocaine
34. Which of the following is not a Analeptic stimulant?
A. Doxapram C. Amphetamine
B. Nikethamide D. Strychnine
35. Which of the following denotes the polyene antibiotic?
A. Nystatin C. Rifampicin

- B. Bacitracin D. Chloramphenicol
36. Natural penicillins are strongly-----
 A. Levorotatory C. Racemat
 B. Enantiomers D. Dextrorotatory
37. Actual name of Tetracycline antibiotic given by IUPAC is:
 A. Octahydronaphthacene C. Octahydronathalene
 B. Saturated tetracyclic system D. Octahydrophenentrane
38. Select the 8- aminoquinoline derivative from the following list:
 A. Chloroquine C. Quinine
 B. Primaquine D. Quinicraine
39. Fill in the following blank: From a clinical standpoint, opioid -----is one of the most powerful factors driving opioid dependence and addictive behaviors:
 A. Consumption C. Misuse
 B. Taking habit D. Withdrawal
40. Which of the following denotes the polyketide antibiotic?
 A. Nystatin C. Rifampicin
 B. Bacitracin D. Chloramphenicol
41. Dihydrothiazine ring is characteristic for:
 A. Penicillins C. Tetracycline
 B. Cephalosporin D. Carbapenum
42. Which of the following is not the Iso-oxazoyl Penicillins
 A. Oxacillin, C. Dicloxacillin
 B. Cloxacillin D. Amoxycillin
43. In the basic medium, Tetracycline forms -----
 A. Isoterracycline C. Rolitetracycline
 B. Anhydrotetracycline D. Hydrotetracycline
44. Which of the following functional group is characteristic for Streptomycin?
 A. Manose C. Gulcosamine
 B. Guanidino group D. Erythrose
45. All nitrates are prodrugs and used as antiangial drugs that release ----- after metabolism:
 A. Nitrates C. Nitric oxide
 B. Nitrous oxide D. Nitrogen dioxide

46. A 8-year-old child presented with brownish discolored anterior teeth. He had a history of antibiotic intake about 4 years earlier. Which antibiotic could be responsible for this condition?
- A. Chloramphenicol C. Tetracycline
B. Erythromycin D. Genetamicin
47. Which of the following statement regarding asthma is incorrect?
- A. It is irreversible small airways obstruction
B. Asthmatics lungs are more sensitive to lower dose of allergens
C. Asthmatics should not use antihistamines
D. Progressive airways inflammation
48. The antidiabetic agent most likely to cause lactic acidosis is:
- A. Chlorpropamide C. Tolbutamide
B. Glipizide D. Metformin
49. Which of the following parameters can get elevated after administration of thiazide diuretic?
- A. Potassium B. BUN C. Urea D. Glucose
50. This antibiotic is not used in the treatment of peptic ulcer disease associated with *Helicobacter pylori*.
- A. Amoxicillin C. Metronidazole
B. Vancomycin D. Clarithromycin
51. Which of the following is the fastest acting anticoagulant?
- A. Warfarin C. Heparin
B. Protamine sulfate D. Vitamin K
52. Very widely used drug Losartan is a:
- A. Selective AT1 receptor antagonist
B. Selective AT2 receptor antagonist
C. Nonselective AT1 + AT2 receptor antagonist
D. AT1 receptor partial agonist
53. Pancuronium differs from tubocurarine in that:
- A. It is a depolarizing blocker
B. Its action is not reversed by neostigmine
C. It can cause rise in BP on rapid I.V. injection
D. It causes marked histamine release
54. N-acetyl cysteine is an antidote for acute poisoning from:
- A. Salicylates C. Acetaminophen
B. Theophylline D. Lithium
55. Which of the following is phase II drug metabolism reaction?
- A. Acetylation C. Oxidation
B. Reduction D. Hydrolysis

56. Proton pump inhibitors are more effective when they are given
- After meals
 - Shortly before meal
 - Along with H₂ blocker
 - During prolonged fasting period
57. Gynecomastia can occur as a side effect of
- | | |
|------------------|---------------|
| A. Bromocriptine | C. Cimetidine |
| B. Femotidine | D. Levodopa |
58. In which of the following phases of clinical trial of drug, ethical clearance is not required
- | | |
|--------------|-------------|
| A. Phase I | C. Phase II |
| B. Phase III | D. Phase IV |
59. A highly ionized drug:
- Is excreted mainly by the kidney
 - Crosses the placental barrier easily
 - Is easily absorbed from the intestine
 - Is highly protein bound
60. Which of the following drugs have narrow therapeutic index?
- | | |
|---------------|---------------|
| A. Lithium | C. Diazepam |
| B. Penicillin | D. Desipramin |
61. Maximum first pass metabolism is seen by which route
- | | |
|----------------|------------------|
| A. Intravenous | C. Intraarterial |
| B. Rectal | D. Oral |
62. Drug safely given in pregnancy is
- | | |
|----------------|-----------------|
| A. Antifolate | C. Tetracycline |
| B. Chloroquine | D. Primaquine |
63. Type B adverse drug reaction-
- Augmented effect of drug
 - Unpredictable bizarre reaction
 - Effect seen on chronic use of drug
 - Delayed effect of drug
64. Amount of drug left after four plasm half-lives
- | | |
|----------|----------|
| A. 6.25% | C. 12.5% |
| B. 25% | D. 50% |
65. Drugs with high protein binding will have
- Less glomerular filtration
 - High volume of distribution
 - Less displacement reaction with other drugs

- D. Less tubular secretion
66. Dry Cough is an adverse reaction with intake of-
- | | |
|---------------|--------------|
| A. Prazocin | C. Enalapril |
| B. Nifedipine | D. Thiazide |
67. MOA of action of aspirin is:
- | |
|----------------------------------------|
| A. inhibits Cox-1 preferentially |
| B. inhibits Cox-2 preferentially |
| C. inhibits Cox-1 & Cox-2 reversibly |
| D. inhibits Cox-1 & Cox-2 irreversibly |
68. Ketamine as a general anesthetic is also known as:
- | | |
|----------------------------|-----------------------|
| A. CNS stimulant | C. Partial anesthetic |
| B. Dissociative anesthetic | D. ANS stimulant |
69. At pharmacological doses unwanted, unavoidable effects are called
- | | |
|-----------------|----------------------------|
| A. Toxicity | C. Idiosyncratic reactions |
| B. Side effects | D. Pharmacogenetics |
70. Cyclopropane is a –
- | | |
|------------------------|----------------|
| A. Local anaesthetic | C. Antibiotic |
| B. General anaesthetic | D. Antioxidant |
71. The word “ Hospital” is derived comes from the Latin noun “hospes”, which stands for: “_____”
- | | |
|------------------------|--------------------------|
| A. Guest or visitor | C. Friend or well wisher |
| B. Relative or visitor | D. Neighbor or visitor |
72. Which method does not come under the perpetual inventory?
- | | |
|--------------------|---------------------------|
| A. Pegboard method | C. Automated method |
| B. Computer method | D. Non- automated method. |
73. Regarding to *the Amoxycillin 250 mg DT*, which of the below listed statement is correct?
- | |
|--------------------------------------------------------|
| A. it is equally or more stable than syrup dosage form |
| B. It should not be dissolved in water |
| C. It should be taken with lemon water |
| D. It is especially used for cancer patients |
74. One litre of Dextrose 5% fluid contains
- | | |
|-------------------------|------------------------|
| A. 25 gram of Glucose | C. 50 gram of glucose |
| B. 12.5 gram of glucose | D. 100 gram of glucose |
75. Tapering dose is related to one of the following drug?
- | | |
|-----------------|------------------|
| A. Salbutamol | C. Prednisolone |
| B. Azithromycin | D. Ciprofloxacin |

76. The thyroid gland normally secretes which of the following substances into the serum?
 A. Thyrotropin releasing hormone (TRH)
 B. Thyroid stimulating hormone (TSH)
 C. Diiodothyronine (DIT)
 D. Thyroxine (T4)
77. “Unit dose system” is one of the main effective drug delivery system in wards. As per this system, basically the drug is supplied to wards for
 A. 24 hrs B. 2 days C. 48 hrs D. 7 days
78. *Entecavir* is drug used in the treatment of:
 A. Hepatitis B C. HIV
 B. Corona D. Common cold
79. Metallic taste’ is provoked by the use of-
 B. Biguanides C. Metronidazole
 C. Albendazole D. Cefixime
80. Nepal Government has received the corona vaccine as a donation from India. What is the dose and frequency of vaccine?
 A. 0.5 mL and 2 doses C. 1 mL single dose
 B. 0.5 ML single dose D. 0.5 MI 3 doses
81. VED analysis is related?
 A. Floor stock system C. Patient prescription system
 B. Stock analysis D. Unit dose system
82. Pharmacovigilance is the pharmacological science relating to adverse effects of pharmaceutical product except
 A. Collecting C. Detection
 B. Assessment D. Enhancing
83. One of the following is antidote of Heparin overdose
 A. Protamine Sulphate C. Flumazenil
 B. Potassium permanganate D. Pralidoxime
84. Therapeutic Drug Monitoring is required for drugs with?
 A. Very low therapeutic index.
 B. Low therapeutic index
 C. High therapeutic index.
 D. Oral Analgesic

85. All of the following points are taken into account when calculating dose for children except
- A. Height
 - B. Disease condition
 - C. Weight
 - D. Body surface area
86. What is not among the aims of hospital formulary system?
- A. Evaluation, appraisal and selection of medicine.
 - B. Guiding physicians for prescribing
 - C. Appraisal and use of non-formulary drugs
 - D. Listing drugs in generic name
87. What are the therapeutic outcomes for a patient with type 2 diabetes mellitus?
- A. To keep blood glucose levels above 80 mg/dl
 - B. To keep blood glucose between 80-130 mg/dl
 - C. To prevent hypoglycaemia
 - D. To prevent hyperglycaemia
88. Standard treatment protocol
- A. Reduce the treatment cost
 - B. Systematically developed statements to help practitioners
 - C. They should contain information on clinical features.
 - D. Individualized.
89. HbA1c test is done in following condition
- A. Anaemia
 - B. Thyroid problem
 - C. Cardiac problem
 - D. Diabetes
90. Why warfarin is tagged as “special drugs” when it comes to the checking process before administration?
- A. They need to be dissolved before administration.
 - B. Clients often have difficulties in swallowing these medications.
 - C. They need to be crushed before administering
 - D. They have a narrow therapeutic index, and there is a greater potential for toxicity if mistakes in dosage occurs
91. What is the nature of a drug idiosyncrasy?
- A. It is an unexpected response to medication.
 - B. It is an expected response to medication.
 - C. It is a planned response to medication.

- D. It is a unique response to medication.
92. The calorie value of protein is
 A. 4.0 Kcal/g C. 9.0 Kcal/g
 B. 15.0 Kcal/g D. 12.0 Kcal/g
93. Which one of the following statements regarding medication history is incorrect?
 A. Medication history guides about drug allergy.
 B. Previous treatment related to the chronic disease.
 C. Helps in selecting the antibiotic for treatment of infection.
 D. Helps to access the drug abuse
94. Nephrotoxicity is one the complications of
 A. Penicillins C. Cephalosporines
 B. Aminoglycosides D. Tetracyclines
95. Which one of the following statements regarding medication history is incorrect?
 A. Medication history guides about drug allergy.
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 C. Helps in selecting the antibiotic for treatment of infection.
 D. Helps to access the drug abuse.
96. How many gram of citric acid is required for the neutralization of one molar NaOH when
 1 mole citric acid = 3 moles NaOH and MW of citric acid = 192.10 g?
 A. 0.06403 g B. 0.6403 g C. 64 g D. 0.006403 g
97. What is the colour of indicator Phenolphthalein at pH above 11:
 A. Colorless B. Pink C. Red D. Green
98. Which of the following is false about wavelengths of electromagnetic radiation?
 A. Radiation with short wavelengths have high energies
 B. Energy does not depend on wavelength
 C. Radiation with long wavelengths have low energies
 D. Energy depends on wavelength
99. Chromatography is a physical method that is used to separate and analyse _____
 A. Simple mixtures C. Complex mixtures
 B. Viscous mixtures D. Metals
100. NMR is the study of absorption of _____ by nuclei in a magnetic field?
 A. Radioactive radiation C. IR radiation
 B. Radio frequency radiation D. Microwaves
101. Mass spectrometer separates ions on the basis of which of the following?
 A. Mass C. Mass to charge ratio
 B. Molecular weight D. Charge

102. ----- is also called the back titration method:
- A. Mohr's method C. Turbidity method
 B. Volhard's method D. Adsorption indicator method
103. The polarimetry is based on principle of -----:
- A. Gyration C. Translation motion
 B. Vibrational motion D. Optical rotation
104. During the calibration of the spectrophotometer, you obtain a nonlinear plot curve, which of the following is not responsible for it:
- A. Monochromatic prism C. Highly diluted solution
 B. Accurate absorption maximum D. Old instrument
105. Which of the following is not true about High performance liquid chromatography (HPLC)?
- A. It requires high pressure for the separation
 B. Not necessary to vaporize the samples
 C. It is performed in columns
 D. It has high sensitivity
106. In chromatogram, the area under the peak can be used to determine which of the following?
- A. Components of sample C. Column resolution
 B. Amount of component in sample D. Column efficiency
107. NMR spectroscopy indicates the chemical nature of the _____ and spatial positions of
- A. Electrons, Protons C. Neutrons, electrons
 B. Nuclei, electrons D. Nuclei, neighboring nuclei
108. Shifting of absorption maxima towards a longer wavelength is known as ----- shift:
- A. Bathochromic C. Hypsochromic
 B. Hypochromic D. Hyperchromic
109. Which one of the following is Protophilic solvent used in non-aqueous titration:
- A. Chloroform C. Liquid ammonia
 B. Alcohols D. Organic acids

110. Potassium Permanganate (KMnO_4) is a strong oxidant and own indicator , in acidic pH the violet MnO_4^- is converted to colorless Mn^{2+} but in alkaline pH, MnO_4^- is converted to ----- MnO_4^{-2} .
- A. Colourless B. Red C.Green D. Pink
111. The major role for the selection of drugs in hospital is played by:
- A. Drug and therapeutic committee. C. Hospital Pharmacy
B. Ministry of Health D. Hospital Director.
112. All of the followings are the Drug Financing scheme except:
- A. Cost recovery C. Sharing scheme
B. Insurance D. Individual purchase.
113. The essential drug has all the properties except:
- A. Vital in hospital. C. Affordable and widely available
B. Selected by formulary D. New Molecule.
114. Quality Assurance is:
- A. Normal concept covering the quality issues
B. Focused activity concerning product release
C. Wide ranging concept covering all issues of quality
D. Philosophy of guidance.
115. All of the followings are regulated by Drug act except:
- A. Patent Right C. Clinical Trial.
B. Drug Advertisement. D. Price control
116. Marketing permission of drug brand is issued according to:
- A. Anusuchi – 5Kha C. Anusuchi–8 Ga.
B. Anusuchi–4 Kha D. Anusuchi – 9
117. Drugs Act of Nepal is concerned with the following EXCEPT:
- A. a. Efficacy C. Safety
B. Abuse D. Availability
118. The bodies which advise Government of Nepal on the basic principles and administrative matters relating to drugs is...
- A. Drug Advisory Committee C. Drug Consultative Council
B. Nepal Pharmacy Council D. Nepal Health Research Council
119. As per Narcotic Drug Control Act, 2033 Narcotic is defined as the following substances except...
- A. Lorazepam

- B. Buprenorphine
 - C. Codeine
 - D. Codeine Syrup containing 3mg/5ml not exceeding 60 ml pack size
120. National Drug Policy emphasizes on which of the following
- A. Quality, Safety and Efficacy
 - B. Quality, Safety, Availability and Efficacy
 - C. Quality, Safety, Availability, Affordability and Efficacy
 - D. Quality, Safety and Availability
121. The pharmacy registration license becomes void if not renewed within ...
- A. 35 days of expiration
 - B. One year after expiration
 - C. Three months after expiration
 - D. Five years after expiration
122. "Early diagnosis and Treatment" statement is related to-
- A. Primordial level of prevention
 - B. Primary level of prevention
 - C. Secondary level of prevention
 - D. Tertiary level of prevention
123. Which one of the following is a not method of health education.
- A. Personal Method
 - B. Group Method
 - C. Individual Method
 - D. Mass Method
124. All are type of audio-visual aids *except*-
- A. Television
 - B. Flip Chart
 - C. Cinema
 - D. Street Drama
125. It is the process of making thoughtful & systematic decisions about what needs to be done, how it has to be done, by whom, and with what resources. Statement is related with-
- A. Deciding
 - B. Planning
 - C. Organizing
 - D. Coordinating
126. All are departments of Ministry of Health and Population *except*-
- A. Department of Drug Administration
 - B. Department of Health Services
 - C. Department of Homeopathy
 - D. Department of Ayurveda
127. In which health care management model health care is provided and financed by the government through taxes?
- A. Bismarck Model or "Sickness Funds"

- B. Beveridge Model or “Socialized Medicine Model”
 - C. The National Health Insurance Model
 - D. The Out-of-Pocket Model
128. The concept of Primary Health Care was declared in-
- A. Jakarta declaration 1997
 - B. Alma Ata 1978
 - C. Istanbul declaration 1996
 - D. Alma Ata 1878
129. The major source of health care financing in Nepal is
- A. out of pocket expense
 - B. government support
 - C. insurance
 - D. international organization
130. Hib vaccine is used to prevent;
- | | |
|-------------------|--------------|
| A. Influenza | C. Leprosy |
| B. Whooping cough | D. Pneumonia |
131. Set of attitude and behavior believed to be appropriate for a particular occupation is known as;
- | | |
|--------------------|-----------------|
| A. Professionalism | C. Patent |
| B. Practice | D. Professional |
132. Which of the following drug is banned in Nepal?
- | | |
|-----------------------------------|---------------------------|
| A. Paracetamol + Ibuprofen | B. Naproxex |
| C. Phenacetin and its combination | D. Paracetamol suspension |
133. Narcotic substances are controlled by
- | | |
|-----------------------------|--------|
| A. DoHS | B. NML |
| C. Ministry of Home affairs | D. DDA |
134. Which is the most suitable method for disposal expired medicines in retail Pharmacy?
- | | |
|-------------------------------|---------------------------|
| A. Sending to municipal waste | C. Incineration |
| B. Immobilization | D. Returning to suppliers |
135. Copying words for ideas without giving credit for the original idea or language is referred as
- | | |
|-----------------|-----------------|
| A. Copyrighting | B. Broadcasting |
| C. Referencing | D. Plagiarizing |

136. The primary objective of immunization program is
 A. Prevent disease transmission B. Prevent disease
 C. Prevent infection D. Improve lifestyle
137. Following component is not included in labeling
 A. Diagnosis C. Manufacture's Address
 B. Quantity D. Improve lifestyle
138. School health program are planned in the:
 A. Ministry of Education document
 B. Ministry of Health document
 C. National drug policy
 D. National health policy
139. Studies typically observe large groups of individuals, recording their exposure to certain risk factors to find clues as to the possible causes of disease.
 A. Cohort C. Cross sectional study
 B. Case control D. Case report
140. Select the beta-lactamase inhibitor
 A. Griseofulvin C. Clavulanic acid
 B. Sulphamethoxalate D. Tetracycline
141. Which of the following describes the effect of sodium cromolycate
 A. Mast cell degranulation C. Mast cell stabilization
 B. Leukotriene D. Glucocorticalagonism
142. Crystalluria is the side effect associated with
 A. Quinolones C. Azoles
 B. Sulphonamides D. Taxol
143. Which of the following is a female sex hormone
 A. Stilbesterol C. Testosterone
 B. Estrogen D. Benzestero
144. What is the full form of ICC in a hospital:
 A. Infection control committee
 B. Infection control compartment
 C. Infection control council
 D. Infection coordination committee
145. The established temperature for cold chain system is
 A. above 25°C C. up to 25°C
 B. 2-8°C D. 8-25°C

146. *Rauwolfia* is the medicinal plant. The drug from this plant is used to cure the disease as?
 A. Hypertension C. Hypotension
 B. Peptic ulcer D. Thyroid
147. What is the typical side effect of Atropine?
 A. Sweating C. Urine flow
 B. Dry mouth D. Metallic taste
148. Regarding to the dose of *Azithromycin 500mg*, which of the below listed is correct?
 A. 1x1x8 C. 2x1x5
 B. 1/2x1x2 D. 1x3x5
149. If you are the looking after a store as a pharmacist in a hospital, the stock of anti-snake venom is no or very little turnover, what does it mean:
 A. Dead inventory C. Duplication of stock
 B. Lead time D. Live inventory
150. The objective of “Drug Information Service Division” does not include:
 A. Maintain the Literature file
 B. Prepare the Hospital Pharmacy news letter
 C. Helps in updating hospital formulary
 D. Maintain the list of antidotes
151. Which one of the drug is likely to cause intestinal perforation?
 a. Aminobenzoic acid c. Domperidone
 b. Loperamide d. Kaolin & Pectin
152. How many grams of anhydrous dextrose is needed to prepare 50ml of an isotonic solution of Amethocaine 0.5%. (NaCl equivalent of Amethocaine =0.19, NaCl equivalent of dextrose=0.18)
 a. 0.40 c. 0.48
 b. 2.24 d. 3.6
153. Corticosteroid should not be withdrawn abruptly because of shown
 a. Adrenal insufficiency c. Tapered dose
 b. Kidney failure d. Defect of adrenal gland
2. Chronic alcohol users are associated with which vitamin deficiency?
 a. Vit B complex c. Vit C
 b. Vit A d. VitB12
154. Which one of the following is penicillinase resistant penicillin.....

- c. Cloxacillin
d. Amoxicillin
155. Tapering dose is related to one of the following drug-
e. Salbutamol
f. Diazepam
156. Which of the following drugs is more likely to cause pulmonary toxicity?
g. Aminobenzoic acid
h. Chlorpromazine
157. Effect of oral contraceptive pills is inhibited by
i. Cimetidine
j. Rifampicin
158. An increase in blood glucose and an anti-inflammatory effect are important effects of:
k. Epinephrine
l. Cortisol
159. The following drug shows flu like syndrome.....
m. Rifampin
n. Phenytoin
160. The correct dosing frequency of antacid is....
o. Three times a day before meal
p. Three times a day after meal
161. What is the wholesale price of an item which is being sold on retail at Rs. 16.82 (if the profit margin is 16%)?
a. Rs. 14.50
b. Rs. 14.23
162. Which one of the following methods is not an identification of a hearing impaired person?
a. Loud voice of the customer
b. Very slow voice of the customer
163. communicator will find a mutually acceptable solution.
a. An assertive
b. A passive aggressive
164. Empathy means
a. Having capacity to convince people
b. Having capacity to solve conflicts
c. Ability to identify with or understand another's situation or feelings
d. Ability to make convince other by any mean
165. Rebound effect is more likely to cause by
a. Pseudoephedrine
- c. Ampicillin
d. Phenoxymethyl penicillin
c. Prednisolone
d. Ciprofloxacin
c. Amiodarone
d. Ceftriaxone
c. Ethambutol
d. Propanolol
c. Glucagon
d. Insulin
c, Tetracycline
d. Pyrazinamide
c. One and 3 hour after each meal
d. As and when required after meal
c. Rs. 14.13
d. Rs. 14.128
c. Looks at your face
d. Does not look at your face
c. A aggressive
d. A submissive

- b. Phenylphrine
d. Terfenadine
166. What is the most important focus of pharmaceutical care?
a. Pharmacist
c. Patients
b. Prescription
d. Patient chart
167. Healthy human volunteers are used in drug development for
q. Phase I
c. Phase II
r. Phase III
d. Phase IV
168. A solution contains 1.25 mg of a drug per milliliter. At what rate should the solution be infused (drops/min) if the drug is to be administered at a rate of 80 mg/hour? (1 ml=30 drops)
s. 64
c. 2
t. 32
d. 20
169. A patient receives long term high dose therapy with sulphonamide. After 3 weeks of therapy, the patient has a low grade fever, rash, and muscle and joint pain. Which type of hypersensitivity accounts for these symptoms?
u. Type I
c. Type II
v. Type III
d. Type IV
170. Which one of the following statements regarding responding to symptoms is incorrect?
w. Family history should be taken while attending to symptoms of patients.
x. Minor symptoms can be managed by non-prescribing medication.
y. Effective questioning is essential in order to obtain relevant information.
z. Confirmation of symptoms described by patient can be skipped as per need basis.
171. All the following are proton pump inhibitors except
aa. Metronidazole
c. Omeprazole
bb. Pantoprazole
d. Esomeprazole
172. Which one is not medicine distribution system for inpatient?
cc. Floor stock system
c. Patient prescription system
dd. Full course system
d. Unit dose dispensing system
173. The most common method for maintaining drug inventory is
ee. FIFO
c. Self-life
ff. Potency
d. ABC system
174. Creatinine clearance is used as a measurement of
gg. Renal excretion rate
c. Active renal secretion
hh. Glomerular filtration rate (GFR)
d. Drug metabolism rate
175. One of the following is known as physical antidote
ii. Activated charcoal
c. Potassium permanganate
jj. Tannic acid
d. Milk of magnesia

176. An optically active compound rotates the plane of the polarized light because of the following phenomenon:
- kk. Reflection
 - ll. Refraction
 - mm. Diffraction
 - nn. Absorption
177. The molecular weight of a compound is obtained and analyzed by:
- a. Mass Spectrometry
 - b. IR Spectroscopy
 - c. NMR Spectroscopy
 - d. UV-Visible Spectroscopy
178. The indicator used in the direct titration with EDTA to determine calcium in test sample is:
- mm. Xylenol orange
 - nn. Erichrome Black T
 - oo. Pyrocatechol violet
 - pp. Crystal Violet
179. The forces involved in Drug-Receptor interaction are all except:
- a. Covalent bonding
 - b. Ionic bonding
 - c. Hydrogen bonding
 - d. Redox reaction
180. Biological Oxidation and reduction occur during the ----- of Biotransformation:
- a. First Phase
 - b. Entry phase
 - c. Conjugation phase
 - d. Second Phase
181. If the ADR increases by the increase in dose it is
- a. Type A
 - b. Type C
 - c. Type B
 - d. Type D
182. All of the followings are Neurotransmitters except:
- a. GABA
 - b. Acetylcholine
 - c. NMDA
 - d. Inositol Triphosphate
183. Tick the medication that is not Tricyclic Antidepressant:
- a. Trimipramine
 - b. Amitriptyline
 - c. Fluoxetine
 - d. Imipramine
184. The antagonist for Diazepam is:
- a. Naloxone
 - b. Neostigmine
 - c. Thebaine
 - d. Flumazenil
185. Opium alkaloids are the examples of?
- a. Imidazole alkaloids
 - b. Isoquinoline alkaloids
 - c. Tropane alkaloids
 - d. Pyridine alkaloids
186. Which one of the following drug contains pyridine alkaloids?
- a. Coffee
 - b. Lobelia
 - c. Cocoa
 - d. Berberis
187. Dried leaves and flowering tops of *Stramonium* contains hyoscyamine which is a:
- a. Purine alkaloids
 - b. Tropane alkaloids
 - c. Indole alkaloids
 - d. Isoquinoline alkaloids
188. One of the following compounds contains 7-membered cycle in its structure:

- A. Barbiturates
B. Isoquinoline
- C. Benzodiazepines
D. ACE inhibitors
189. One of the following is not the metabolite of Diazepam:
a. Temazepam
b. Lorazepam
c. Oxazepam
d. Nordiazepam
190. The antidote for paracetamol poisoning is:
a. Charcol
b. Acetyl Cystine
c. Desferrioxamine
d. EDTA sodium.
191. One of the of the following is a antifolate antitumor drug:
a. Cyclophosphamide
b. Methotraxate
c. Busulphan
d. Chlorambucil.
192. The measurement of interaction of electromagnetic radiation with a matter is:
a. UV-visible Spectrophotometry
b. Flam Photometry
c. IR Spectrophotometry
d. Photometric Techniques
193. An acid ionizes in water to produce:
a. Protons
b. ions
c. Electrons
d. Neutrons
194. The number of gram-equivalents of a solute contained in one liter of solution:
a. Normality
b. Molality
c. Molarity
d. PPM
195. . Quality management is a concept that includes:
a. QC
b. GMP and QC
c. QA
d. QA, QC and GMP
196. Pure water is a:
a. Strong electrolyte
b. pH dependent.
c. Weak electrolyte
d. Poor buffer
197. The color of phenolphthalein titrating with standard acid solution with a base in conical flask is:
a. Pink
b. Yellow
c. Colorless
d. Orange
198. In reaction $\rightarrow 4 \text{ Fe} + 3 \text{ O}_2 \rightarrow 2 \text{ Fe}_2\text{O}_3$, iron is:
a. Oxidizing agent
b. Reducing agent
c. Rusted
d. Reluctant
199. Ultra Fast Liquid Chromatography (UFLC) is based on:
a. Ultra speed
b. Thin column
c. Quick separation
d. Thick column
200. The titration of liberated iodine in chemical reaction is known as:
a. Iodometry
c. Acidimetry

- b. Alkalimetry
d. Iodimetry
201. The Kjeldhal method is used for the determination of:
a. Oxygen
b. Nitrogen
c. Sulphur
d. Chlorine
202. The UV range in spectrophotometer lies between:
a. 200-400nm
b. 200-800 nm
c. 380-580 nm
d. 185-380 nm
203. The difference between measured value and true value is known as:
a. Linearity
b. Accuracy
c. Robustness
d. Precision
204. Spectrophotometric Analysis is based on:
a. Boil's Law
b. Dalton's Law
c. Molecular Vibrations
d. Beer's – Lambert's Law
205. Which Silver compound is used for the determination of Chloride ion?
a. AgI
b. AgBr
c. AgF
d. AgNO₃.
206. Which of the following is used as an indicator for the titration between iodine and sodium thiosulphate solution?
a. Potassium chromate
b. Phenolphthalein
c. Methyl orange
d. Starch solution
207. The "OH" absorption band in IR spectra appears:
a. Below 1000 cm⁻¹.
b. Above 3500 cm⁻¹
c. Below 1800 cm⁻¹
d. Just below 3000 cm⁻¹
208. The concentration of Methyl paraben as preservative in syrup is:
a. 0.01 to 0.3 %.
b. 0.1 to 0.3 %.
c. 1.0 to 2.0 %
d. 2.0 to 5.0 %.
209. The yellow shade to the pharmaceutical dosage form is given by:
a. Alazarin
b. Tartrazine
c. Turmeric powder
d. Sunset yellow
210. Which one of the following drug is relatively safer in pregnancy?
a. Metformin
b. Ranitidine
c. Acyclovir
d. Glibenclamide
211. If the Hepatic metabolism is not changed and volume of distribution is increased the
a. Dosing interval should be increased
b. Dosing interval should be decreased
c. Dose should be increased
d. Dose should be decreased
212. Size "O" suture cannot be used for
a. Foot skin
b. Scalp skin
c. Abdomen skin
d. Face skin

213. Which of the following drug is not contraindicated to the patient on Warfarin?
 a. Aspirin
 b. Phenytoin
 c. Diclofenac
 d. Allopurinol
214. Which one of the following drugs is contraindicated while the patient is in Ceftriaxone?
 a. Fluoxetine
 b. Tamsulosin
 c. Calcium gluconate
 d. Potassium chloride
215. The lowest sweetening intensity in the following list is:
 a. Sorbitol
 c. Saccharine
216. Aspartame d. Sucralose All of the followings are the ingredients of an effervescent tablet except:
 a. Tannic acid
 b. Sodium bicarbonate
 c. Citric acid
 d. Tartaric acid
217. The fractional force in a loose powder or granules can be measured by:
 a. Micrometer
 b. Hauser's ratio
 c. Rheology
 d. Angle of repose
218. During metronidazole tablet compression, your operator complains that product sticking within the letter's logos, on the punch faces, one of the remedy is:
 a. Reduction of Compression force
 b. Heating the punches
 c. Addition of lubricants
 d. Polish the punches
219. Sodium Metabisulfide in liquid dosage form is used as:
 a. Sweetening agent
 b. Buffering agent
 c. Antioxidant
 d. Coloring agent
220. All of the following colors are available in powder form except:
 a. Caramel
 b. Erythrosine
 c. Amaranth
 d. Sun Set yellow
221. Long term stability study is carried out at ----- temperature:
 a. 40 °C
 b. 30 °C
 c. 37 °C
 d. 26 °C
222. All of the following are used as tablet disintegrant except:
 a. Starch
 b. Gelatin
 c. Microcrystalline Cellulose
 d. Sodium Starch Glycolate
223. One of the following compound is not necessary for manufacturing of an ointment :
 a. Cetosteryl Alcohol
 b. Liquid Parafine
 c. Tartazine
 d. Propylene Glycol
224. Anhydrous lanoline is used in the preparation of ----- base:
 a. Water soluble
 b. Emulsion.
 c. Water washable
 d. Absorption

225. One of the following chemical process is not responsible for the instability of dosage forms:
- | | |
|------------------|---------------|
| a. Decantation | c. Hydrolysis |
| b. Sedimentation | d. Oxidation |
226. Homogenization is required for:
- | | |
|-------------|---------------|
| a. Liniment | c. Syrup |
| b. Emulsion | d. Suspension |
227. Which of the oral product is subject to microbial test?
- | | |
|-----------------------|--------------------|
| a. Antacid Suspension | c. Cough Syrup |
| b. Haematinic Syrup | d. Calamine Lotion |
228. The pH of purified water used for manufacturing oral and dermatological should not be less than:
- | | |
|--------|--------|
| a. 4.0 | c. 5.5 |
| b. 5.0 | d. 7.0 |
229. Sodium EDTA is used in liquid preparation as :
- | | |
|-----------------|---------------------|
| a. Antioxidant | c. Chelating agents |
| b. Preservative | d. Buffering agent |
230. As per WHO GMP principles AUTHORIZED PERSON have the responsibility of ensuring
- | | |
|----------------------|----------------------------|
| a. Quality Policy | c. Quality Control |
| b. Quality Assurance | d. Quality Product Release |
231. For the manufacture of aseptically prepared pharmaceutical preparations which grade of cleanliness (WHO/GMP) is required for filling process?
- | | |
|------------|------------|
| a. Grade B | c. Grade D |
| b. Grade A | d. Grade C |
232. Which of the following covers the various aspects of Quality Management System?
- | | |
|--------------|--------------|
| a. ISO 9000 | c. ISO 14000 |
| b. ISO 31000 | d. ISO 45001 |
233. The prosecution of cases under Drug Act 2035 is the duty of ...
- | | |
|---------------------|----------------------------|
| a. Police inspector | c. Public Prosecutor |
| b. Drug Inspector | d. Director General of DDA |
234. The maximum penalty against the sale of expired medicines, if the expired drug is not likely to cause injury to health.
- oo. Up to life imprisonment and fine
- pp. Up to 10 years imprisonment and fine
- qq. Up to 5 years imprisonment and fine
- rr. Up to 3 years imprisonment and/or fine up to Rs. 25000

235. Introduction of all or part of previous batches of the required quality into another batch at a defined stage of manufacture is called –
- a. Reworking
 - b. Recovery
 - c. Reprocessing
 - d. Reconciliation
236. What review may not be included in Quality Product Review?
- a. Critical in-process control
 - b. Total time taken for batch processing
 - c. Batches that failed to meet specifications
 - d. Quality related returns, complaints and recalls
237. The provision of section 26 of Drugs Act, 2035 is.....
- ss. Trade mark
 - tt. Clinical trial
 - c. Drug price
 - d. Prohibition of drug
238. For which of the following practice a pharmacist registration in the pharmacy council is not required?
- uu. To work in regulatory authority
 - vv. To work in the retail pharmacy
 - c. To work in pharmaceutical quality control
 - d. Work on drug logistic and procurement
239. Classification of drug is given in.....
- ww. standard regulation
 - xx. Drug inspection regulation
 - Drug registration regulation
 - d. Drug Consultative Committee Regulation
 - c. Drug
240. Apparent volume of distribution of the drug ($t_{1/2} = 6$ hour), whose 120 mg IV bolus dose produces 2 mcg/ml plasma concentration at 12 hour, is:
- yy. 60 litre
 - zz. 15 litre
 - c. 15 ml
 - d. 60 ml
241. Major reason for most of the patient's non compliance using SSRIs like Fluoxetine is:
- aaa. dizziness, nervousness, confusion
 - bbb. term memory loss
 - takes several weeks to show effects
 - weight gain and sexual dysfunction
 - c.
 - d. short
242. Which one of the following is clinically important metabolic microsomal enzyme inducer?
- a. Cimetidine
 - c. Rifampicin
 - b. Ketoconazole
 - d. Isoniazide
243. Infection by *Helicobacter pylori*, a short, spiral-shaped, gram-negative bacillus, is the leading cause of Peptic Ulcer Disease (PUD) and is associated with virtually all ulcers not induced by NSAIDs. The best treatment regimen among the following is:
- a. Ciprofloxacin 500 mg/ Lansoprazole 30 mg/ Amoxicillin 500 mg BID x 10 days
 - b. Penicillin V 500 mg/ Lansoprazole 30 mg/ Clarithromycin 500 mg BID x 14 days

- c. Omeprazole 20 mg/ Clarithromycin 500 mg/ Amoxicillin 500 mg BID x 10 days
d. Omeprazole 20 mg/ Clindamycin 500 mg/ Amoxicillin 500 mg BID x 14 days
244. A prescription reads Amoxicillin 500 mg/5ml, 1 tsp tid x 7 days. You only have 250 mg/5ml strength of 250 ml bottle of Amoxicillin. How much will you dispense 250mg/5ml of Amoxicillin suspension and how will you advise patient to take it?
- a. 1 bottle; Take 5 ml three times a day and discard the rest
b. 1 bottle; Take 10 ml three times a day for 7 days and discard the rest
c. 2 bottles; take 15 ml three times a day for 7 days and discard the rest
d. 3 bottles; Take 30 ml three times a day for 7 days and discard the rest
245. Which of the following question should be asked while dispensing a cold tablet?
- a. Whether the patient has asthma
b. Whether the patient has high blood pressure
c. Whether the patient has peptic ulcer disease
d. Whether the patient has hypothyroidism
246. Daily calories requirement for TPN is
- a. 5-15 Kcal/kg/day
b. 25-35 Kcal/kg/day
c. 15-25 Kcal/kg/day
d. 45-55 Kcal/kg/day
247. Increase in USP designation of suture (2-0, 3-0...) indicates.....
- a. Decrease in diameter
b. Increase in length
c. Increase in diameter
d. Decrease in length
248. Which of the following advice is more important for the patient while dispensing Cotrimoxazole?
- a. Take after food
b. Take one hour before food
c. Take plenty of water
d. Do not chew the tablet
249. Crystalluria and nephrotoxicity may occur if ----- is used concomitantly with Acetazolamide:.
- a. Tolbutamide
b. Zidovudine
c. Ciprofloxacin
d. Carbamazepine
250. Which of the following is a phase II drug metabolizing reaction?
- a. Acetylation
b. Hydrolysis
c. Deamination
d. Oxidation
251. Alkalinization of urine hastens the excretion of
- a. Weakly basic drugs
b. strong electrolytes
c. weakly acidic drugs
d. non-polar drugs
252. The therapeutic index of a drug is a measure of its.....
- a. efficacy
b. potency
c. b. potency

- b. safety
d. dose variability
253. Which one of the following dosage form does not necessarily require sterility test?
ccc. Eye drop c. Eye ointment
ddd. Ear drop d. Rectal suppository
254. An initial dose of chloroquine is 600mg base. A chloroquin sulphate tablet contains 200mg in each tablet. How many tablets should be given for the above initial dose?
a. 2 tablets c. 3 tablets
b. 4 tablets d. 10 tablets
255. Thiazide diuretics may produce an increase in blood levels of uric acid and
a. Potassium c. Magnesium
b. Urea d. Glucose
256. Anti-amoebic agent with highly significant action against cyst in colon is:
a. Emetine c. Chloroquin
b. Diloxamide furoate d. Metronidazole
257. One unit of penicillin G Sodium is contained in 0.6 mcg of the penicillin. What is the weight of 400000 units?
a. 240mg c. 2400mg
b. 125mg d. 250mg
258. Epidemiology is the study of
a. Immunization c. Outbreak of disease in populations
b. Genetic disease d. Skin ailments
259. Which of the following drugs should be best taken with milk or milk products?
a. Erythromycin c. Griseofulvin
b. Minocycline d. Chloroquine
260. The calorie value of lipids is.....
eee. 6.0 Kcal/g c. 9.0 Kcal/g
fff. 15.0 Kcal/g d. 12.0 Kcal/g
261. Which one of the following is not the criteria for selection of essential medicines?
ggg. Price c. Availability
hhh. Safety d. Dose
262. Which one of the following is not a criteria for banning a drug?
iii. Harmful c. Expensive
jjj. Irrational combination d. Misuse or abuse of drug
263. Which of the following drug is banned in Nepal?
kkk. Morphine c. Metamizole
lll. Phenylbutazone d. Ergometrine

264. Pharmacy shop registration is related with..... of Drug Registration Regulation, 2038.
- mmm. Schedule 7 c. Schedule 8
 nnn. Schedule 9 d. Schedule 10
265. Where can a person can file the complaint against the verdict of Drug Administrator?
 ooo. Health & Population Secretary c. District Court
 ppp. Appellate Court d. Health Minister
266. How many licenses shall have to obtain from DDA to bring a product into the market by domestic manufacturer?
 qqq. One c. Two
 rrr. Three d. Four
267. Which of the following is the maximum penalty if someone does not keep record in selling of narcotic medicines?
 sss. Up to one year and/or Rs. 5000 fine c. Up to 5 years and fine
 ttt. Up to 10 years and fine d. Up to life imprisonment
268. What do you understand by professional prerogatives
 uuu. Rights and choices c. Power and societal interest
 vvv. Boundaries of power d. Social acknowledgement
269. The standard dose of Niclosamide for tape worm is.....
 a. 2 gm single dose in the evening after meal
 b. One gm followed by another one gram in the morning
 c. One gram in the morning and one gram in the evening after meal
 d. 2 gms in the morning as single dose
270. What is the time cycle if any surgical material is sterilized at 135°C.
 a. 30 minutes c. 15 minutes
 b. 10 minutes d. 3 minutes
271. One of the common symptom of digoxin toxicity is associated with
 a. Constipation c. Nausea
 b. Tachycardia d. Severe headache
272. If demand is not uniform and constant, then stockout risks can be controlled by
 a. increasing the EOQ c. adding safety stock
 b. raising selling price to reduce demand d. placing an extra order
273. Which of the following dosage form cannot be used to the patient on NG tube feeding?
 a. Film coated tablets c. Sugar coated tablet
 b. Enteric coated tablets d. Dispersible tablets
274. Which route of drug administration is most likely to lead to the first-pass effect?

a. Sublingual

b. Transdermal

c. Oral

d. Intramuscular

275. Which of the followings is the meaning of abbreviation q2h?

a. Two times a day

b. Quarter past two

c. Every two hours

d. Two hours before sleep

3. Nepalese National Formulary does not contain.....
 - a. Preparation
 - b. Mechanism of action
 - c. Price
 - d. Dose
4. While selling or distributing IV fluids a pharmacist cannot check for.....
 - a. Leakage
 - b. Particles
 - c. Pyrogen
 - d. Expiry date
5. Patient onmay shows unusual behavior.
 - a. Carbamazepine
 - b. Terfenadine
 - c. Hydrocortisone
 - d. Digoxin
6.compares the cost of two or more alternatives, assuming equal outcomes of each alternative.
 - a. Cost Minimization Analysis
 - b. Cost Effectiveness Analysis
 - c. Cost Benefit Analysis
 - d. Cost Utility Analysis
7. DALYs stands for
 - a. Daily Adjusted Life Years
 - b. Disability Adjusted Life Years
 - c. Daily Advanced Life Years
 - d. Disability and Advanced Life Years
8. A pharmacist should suggest to take plenty of water while dispensing.....
 - a. Chlorpheniramine
 - b. Cotrimoxazole
 - c. Promethazine
 - d. Loperamide
9. How many milligrams of the penicillin are needed to prepare 120 g of a penicillin ointment containing 1000 units per gram (1 unit=0.6mcg)?
 - a. 72mg
 - b. 7.2mg
 - c. 144mg
 - d. 0.72gm
10. All of the following are main areas of body language except
 - a. Posture
 - b. Proximity and orientation
 - c. Eye contact
 - d. Literacy
11. What information should be covered through the first prime question during patient counseling?
 - a. Dosing schedule
 - b. Purpose of the medication
 - c. Storage recommendation
 - d. Possible side effects
12. Which of the following is not the method to monitor Adverse Drug Reaction (ADR)?
 - a. Spontaneous reporting
 - b. Case control studies
 - c. Active surveillance
 - d. True experimental studies
13. Which of the following pregnancy risk category drugs is safe in pregnancy?
 - a. Category A
 - b. Category C
 - c. Category B
 - d. Category X
14. All of the following are the Millennium Development Goal except

- a. Eradicating extreme poverty and hunger c. Improve adolescent health
 b. Achieving universal primary education d. Ensuring environmental sustainability
15. Prescription is considered as incomplete if any of the following information is missing except
 a. Name, address, age, sex of the patient
 b. Instruction to the patient
 c. Dispenser's name and location of the pharmacy
 d. Prescriber's name, Council registration no., signature and Date
16. All of the following are reason for high demand of health insurance except
 a. High cost in health c. High cost of leaving
 b. Modern technology d. High cost of investigation
17. All of the following are cause of pharmaceutical market failure except
 a. Informational imbalance c. Failure of competition
 b. Affordability d. Equity
18. Dopamine is biosynthesized from.....
 a. L-alanine c. L-tyrosine
 b. L-phenylalanine d. L-DOPA
19. Which of the following will NOT alter the volume of distribution of a drug?
 a. Cardiac failure c. Clearance
 b. Age d. Burns
20. The incubation period for sterility testing is
 a. 7 days c. 10 days
 b. 14 days d. 21 days
21. Thermolabile materials are sterilized by
 a. Dry heat sterilization c. Moist heat sterilization
 b. Membrane filtration d. Radiation
22. Normal laboratory value of cholesterol is
 a. Less than 250mg/dl c. Less than 200mg/dl
 b. Less than 150mg/dl d. Less than 100/dl
23. Abbreviation "mitte" stands for.....
 a. Recipe c. Send
 b. Meter d. Calculate
24. What do you mean by enema?
 a. Aqueous or oily solution or suspension intended for rectal administration
 b. Aqueous or oily solution or suspension intended for vaginal administration
 c. Usually in concentrated form, intended for the treatment of the membranous lining of the throat

d. Usually in concentrated form, intended for the treatment of skin

25. What do you mean by abbreviation HS?

a. At bed time

c. Between meals

b. Immediately

d. In the afternoon

26. Which of the following anti-hypertensive is not normally used in hypertension?

a. Diltiazem

c. Amlodipine

b. Tamsulosin

d. Nifedipine

*****GOOD LUCK*****

276.