

Assistant Pharmacist Model Questions (MCQs)

1. Higher level of .....is associated with more severe menstrual cramps.  
A. Pyridoxime                      B. Estrogens  
C. Progesterone                      D. Prostaglandins
  
2. Drug production Regulation (AusadhiUtpadanSanghita) is:  
A. Instructs for inventory record                      B. Just a regulatory document  
C. Describes the production document                      D. Equal to GMP
  
3. In which drug distribution system, prescription is not directly reviewed by pharmacist?  
A. Individual prescription order system                      B. Satellite pharmacy  
C. The complete floor stock system                      D. Unit dose dispensing system
  
4. The most frequent side effect of oral ampicillin  
A. Constipation                      B. Loose motions  
C. Urticaria                      D. Nausea and vomiting
  
5. Which of the following parameter is related to flow property of granules?  
A. Mixing index                      B. Compressibility index  
C. Flow index                      D. Therapeutic index
  
6. All of the following are elements of communication EXCEPT  
A. Noise                      B. Receiver  
C. Message                      D. Sender
  
7. In the compound, all the atoms in the ring are not same. It is  
A. Hetero                      B. Homo  
C. Poly                      D. Levo
  
8. Drugs Act of Nepal is concerned with the following EXCEPT:  
A. Efficacy                      B. Availability  
C. Dosage form and strength information                      D. Safety
  
9. A protozoal disease is  
A. Malaria                      B. Diphtheria  
C. Tetanus                      D. Diarrhoea
  
10. Major cause of diarrhoea is  
A. Viruses                      B. Fungi  
C. Bacteria and protozoa                      D. Parasites
  
11. 1 table spoonful is equal to  
A. 5ml                      B. 10ml

C. 30ml                      D. 15ml

12. Duration of local anesthetic action of procaine can be prolonged by  
A. Combining with PABA                      B. Combining with adrenaline  
C. Combining with zinc                      D. Combining with probenecid
13. List drugs that have been approved for use on the basis of therapeutic and economic considerations is  
A. Investigational drug list.                      B. Therapeutic drug list  
C. Formulary                      D. Narcotic list
14. Egg yolk is used as as  
A. Binder                      B. Diluent  
C. Emulsifying agent                      D. Disintegrant
15. The abbreviation a.u. is  
A. Both ear                      B. Both eye  
C. Each ear                      D. Each eye
16. The phenanthrene alkaloid of opium is  
A. Noscapine                      B. Papavarine  
C. Narceine                      D. Codeine
17. Implants are meant for  
A. Applied in dermal layer of skin  
B. Inserts in vagina  
C. Inserts in rectum  
D. Inserts under the skin subcutaneous layer
18. Ammonium Chloride is a  
A. Thiazide diuretics                      B. Acidifying salt  
C. Osmotic diuretics                      D. Loop diuretics
19. Empathy is defined as  
A. Sadness                      B. The ability to understand others feeling  
C. The ability to understand the condition                      D. Happiness
20. Absorption of oral iron preparations can be facilitated by co-administering  
A. Antacids                      B. Ascorbic acid  
C. Tetracycline                      D. Phosphate
21. Procurement cycle may include all EXCEPT  
A. Locate and select suppliers                      B. Dispose expired drugs  
C. Receive and check drugs                      D. Determine quantity needed

22. Indicate a reversible choline esterase inhibitor
- |                  |                  |
|------------------|------------------|
| A. Carbachol     | B. Physostigmine |
| C. Isoflurophate | D. Parathion     |
23. All of the following statements are true except
- GPP promotes rational and economic prescribing
  - Good pharmacy practice (gpp) requires evidence based care
  - GPP promotes generic prescribing
  - GPP requires that the objective of each element of pharmacy serve is relevant to the patient
24. Phase I metabolism reaction include
- |                |                |
|----------------|----------------|
| A. Oxidation   | B. Sulfonation |
| C. Methylation | D. Acetylation |
25. Pigmented medicine by dissolving a drug in alcohol is
- |              |             |
|--------------|-------------|
| A. Spirits   | B. Syrup    |
| C. Tinctures | D. Ointment |
26. Dry powder is inhaled using
- |              |              |
|--------------|--------------|
| A. Rotahaler | B. Nebulizer |
| C. MDI       | D. Inhaler   |
27. Warfarin
- |                                      |   |
|--------------------------------------|---|
| A. Is a rapidly acting anticoagulant | B. Is effective both in vitro and in vivo |
| C. Is orally effective               | D. Has a plasma $t_{1/2}$ of 6 hrs        |
28. Which drug does not have beta lactam ring?
- |                 |                  |
|-----------------|------------------|
| A. Gentamycin   | B. Amoxycillin   |
| C. Penicillin v | D. Cephalosporin |
29. Which is NOT an example of grasping, clamping and occluding instruments?
- |               |                         |
|---------------|-------------------------|
| A. Payr probe | B. Forceps              |
| C. Allis      | D. Sponge holding clamp |
30. Following are the barriers of effective communication except
- |                                    |                |
|------------------------------------|----------------|
| A. Law regarding pharmacy practice | B. Time        |
| C. Pharmacist                      | D. Environment |
31. Which of the following is not required for labeling?
- |                    |                 |
|--------------------|-----------------|
| A. Prescriber name | B. Brand name   |
| C. Expiry date     | D. Generic name |
32. Which of the following is most commonly used as a glidant in tablet formulation?
- |                            |         |
|----------------------------|---------|
| A. Cross carmellose sodium | B. Talc |
|----------------------------|---------|

C. Crosspovidone

D. Polyvinyl pyrrolidone

33. The first institution to start the Bachelor of Pharmacy course in Nepal is:  
A. Tribhuvan university  
B. Purbanchal university  
C. Pokhara university.  
D. Kathmandu university
34. Which is not used as stationary phase in layer chromatography (TLC)?  
A. Aluminum oxide  
B. Polyamide  
C. Cellulose  
D. Silica gel
35. Primary source of drug information is obtained from  
A. Pharmacopeias  
B. Text books  
C. Formularies  
D. Journal of pharmacy
36. The function, duties and power of Drug Consultative Council does not cover to...  
A. Transportation of drugs  
B. Uplift the quality of pharmacy education  
C. Prohibit sale of drug  
D. Fix the price of drugs
37. The full form of STG is  
A. Standard Technical Group  
B. Standard Teaching Guideline  
C. Standard Treatment Group  
D. Standard Treatment Guideline
38. The most important reason for using a combination of chemotherapeutics agents in the treatment of tuberculosis is  
A. To broaden the spectrum of activity  
B. To prevent development of resistance to the drugs  
C. To obtain bactericidal effect  
D. To reduce adverse effects of the drugs
39. All of the followings are the Drug Financing scheme except:  
A. Insurance  
B. Individual purchase  
C. Sharing scheme  
D. Cost recovery
40. The beneficial effects of digitalis in congestive failure is because it  
A. Increases myocardial contractility  
B. Increases myocardial excitability  
C. Dilates the coronary vessels  
D. Delays AV conduction
41. Scientific name of timur is  
A. Theasinesis  
B. Taxusbaccata  
C. Acoruscalamus  
D. Zanthoxylumarmatum
42. Which of the following component is 40 times sweeter than sugar  
A. Sucrose  
B. Glycirrhizin  
C. Nimbin  
D. Fructose

43. The test of glycoside is  
A. Wagner test  
B. Hagers test  
C. Keller Killani test  
D. Saponification test
44. According to the Drug Act of Nepal, Pethidine is classified under:  
A. Gaa  
B. Gha  
C. Kha  
D. Ka
45. Protein energy malnutrition results in  
A. Dryskin  
B. Marasmus  
C. Diabetes  
D. Night blindness
46. The therapeutic index of a drug is a measure of its:  
A. Dose variability  
B. Efficacy  
C. Potency  
D. Safety
47. Solvent used for extraction is known as  
A. Callus  
B. Marc  
C. Extract  
D. Menstrum
48. Which is the most important drug in the treatment of organo-phosphorus poisoning  
A. Adrenaline  
B. Diazepam  
C. Acetylcholine  
D. Atropine sulphate
49. Which of the following tablet has the fastest dissolution rate?  
A. Sugar coated  
B. Enteric coated  
C. Film coated  
D. Orodispersible
50. Phocomelia developed in the fetus of mothers who used  
A. Chloramphenicol  
B. Barbiturates  
C. Thalidomide  
D. Cyclophosphamide
51. The first edition of the Nepalese National Formulary is published in  
A. 2010  
B. 1997  
C. 1995  
D. 2011
52. Which of the following problem can be encountered during emulsion formulation?  
A. Capping  
B. Phase inversion  
C. Lamination  
D. Mottling
53. Size of cannula is measured in  
A. Gauze  
B. Millimeter  
C. Centimeter  
D. French
54. As per Pharmacy Council Act, Pharmacy Profession is defined as except.....  
A. Those involved in community pharmacy

- B. Those involved quality control of medicines
- C. Those involved in hospital pharmacy
- D. Those involved in pharmaceutical industry

55. Barium sulphate is used as

- A. X ray contrast media
- B. Antimicrobial agent
- C. Anti fungal agent
- D. Antacid

56. which of the following analgesics has poor anti-inflammatory action

- A. Paracetamol
- B. Piroxicam
- C. Diclofenac sodium
- D. Ibuprofen

57. The first pharmacist who work in pharmaceutical sector in Nepal is:

- A. Mr. Purna Prasad Lamsal.
- B. DrP N Suwal
- C. MrN R Joshi
- D. DrAsfeqShek

58. Sulphonamides

- A. Are bactericidal
- B. Act by competitive inhibition of utilization of PABA
- C. Competitively inhibit the enzyme dihydrofolate (dhf) reductase
- D. Cause folic acid deficiency in human beings.

59. Slugs are..

- A. Large volume syrups
- B. Large sized tablets
- C. Large sized capsules
- D. Large volume parenterals

60. The virus directed reverse transcriptase enzyme is inhibited by

- A. Zidovudine
- B. Amantidine
- C. Vidarabine
- D. Acyclovir

61. Choose the azole antifungal drug which is used only topically

- A. Fluconazole
- B. Econazole
- C. Ketoconazole
- D. Itraconazole

62. EDTA salt in parenteral product is used as

- A. Diluent
- B. Vehicle
- C. Preservative
- D. Chelating agent

63. An antidote of benzodiazepines is:

- A. Acetyl cysteine
- B. Flumazenil
- C. Atropine
- D. Naloxone

64. Rx symbol in prescription comes under

- A. Subinscription
- B. Superscription
- C. Inscription
- D. Signatura

65. For sterilization the temperature of oven is maintained at  
 A. 180°c                      B. 160°c  
 C. 50°c                         D. 121°c
66. The supernatant liquid in deflocculated suspension is  
 A. Turbid                        B. Yellow  
 C. Transparent                 D. Clear
67. Which of the following is used for isotonicity modifier?  
 A. Aluminium chloride                 B. Potassium chloride  
 C. Sodium chloride                      D. Calcium chloride
68. Podophyllum species is used as  
 A. Anti-hypertensive                      B. Antioxidant  
 C. Anticancer                                D. Anti-diabetic
69. Drug administered through which of the following routes is most likely to be subjected to first pass metabolism.  
 A. Subcutaneous                            B. Oral  
 C. Rectal                                        D. Sublingual
70. Allopurinol decreases the plasma concentration of  
 A. Thio-xanthine                            B. Uric acid  
 C. Xanthine                                    D. Hypoxanthine
71. Megaloblasticanemia is caused due to the deficiency of.....  
 A. Folic acid                                  B. Thiamine  
 C. Ascorbic acid                              D. Niacin
72. Receptor agonists possess  
 A. Affinity but no intrinsic activity  
 B. Intrinsic activity but no affinity  
 C. Affinity and intrinsic activity with – sign  
 D. Affinity and intrinsic activity with + sign
73. Posology deals with  
 A. Counseling                                 B. Dose  
 C. Therapy                                      D. Dosage form
74. Atropine  
 A. Is not useful in peptic ulcer                 B. Reduces motility of the gut  
 C. Decreases tone of sphincters                D. Antagonizes effects of morphine in GIT
75. Gas used in aerosol is called  
 A. Liquid phase                                B. API

- C. Propellant  
D. Excipient
76. Red green color blindness is seen among patients taking.....  
A. Ethambutol  
B. Isoniazid  
C. Streptomycin  
D. Rifampin
77. Biological source of castor oil is  
A. Ricinuscommunis  
B. Linumusatissimum  
C. Arachishypogaea  
D. Sesamumindicum
78. According to the recent guideline of Nepal, 2070, the number of pharmacists or pharmacy assistant required in a general hospital with 400 beds is:  
A. 6  
B. 3  
C. 5  
D. 1
79. If 120 mg dextromethorphan is present in 60 ml bottle of product, how much dextromethorphan present in 1.5 teaspoonful of product?  
A. 20 mg  
B. 10 mg  
C. 15 mg  
D. 5 mg
80. ABC analysis of items is based on:  
A. Variability  
B. Usage pattern  
C. Cost  
D. Expiry date
81. Enteric coated tablets release drug in  
A. Small intestine  
B. Mouth  
C. Stomach  
D. Oesophagus
82. A rule for calculating the dose of the medicine correct for a child on the basis of child's weight is called:  
A. Fried's rule  
B. Young's rule  
C. Dilling's rule  
D. Clark's rule
83. In angina pectoris, chest pain is caused by  
A. Myocardial ischemia  
B. Peripheral vascular resistance  
C. Hypotension  
D. Hypertension
84. Pilocarpine is used for  
A. Urinary retention  
B. Hypertension  
C. Paralytic ileus  
D. Glaucoma
85. Science relating to the detection, assessment, understanding and prevention of adverse effects or any other drug related problem is  
A. Pharmacokinetics  
B. Pharmacology  
C. Pharmacovigilance  
D. Pharmacodynamics

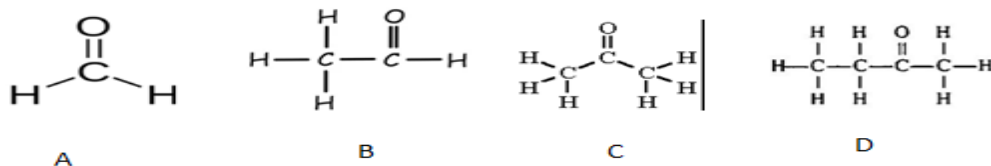


86. Tablets which are placed between cheek and teeth are known as:  
A. Buccal  
B. Troches  
C. Lozenges  
D. Sublingual
87. All of the followings are Good Pharmacy Practice requirement except:  
A. Rational use  
B. Earn profit  
C. Assured quality  
D. Patient welfare
88. The weight variation limit according to IP for 500mg tablet is  
A.  $\pm 10\%$   
B.  $\pm 5\%$   
C.  $\pm 3\%$   
D.  $\pm 7.5\%$
89. Quality of medicines in general refers to....  
A. Safety, efficacy and potency  
B. Therapeutic excellence  
C. Consumer satisfaction  
D. Increment of sale volume
90. The following is the required qualification to be appointed as analyst as per drugs act except...  
A. Certificate in pharmacy  
B. Bachelor in chemistry with experience  
C. Master in chemistry  
D. Bachelor in pharmacy
91. Which of the following is type II (unpredictable) adverse drug reaction:  
A. Side effect  
B. Toxic effect  
C. Idiosyncrasy  
D. Physical dependence
92. Cold place for storage of medicine means  
A. 8 to 15°C  
B. 2°C  
C. 2 to 8°C  
D. Any temperature in refrigerator
93. Splitting off of the surface of a tablet is called  
A. Fissuring  
B. Picking  
C. Slugging  
D. Capping
94. Colloid mill is used for reduction of particle size of ....  
A. Powders  
B. Tablet  
C. Solutions  
D. Suspension
95. The causative agent for tetanus is  
A. Clostridium tetani  
B. L. donovani  
C. T. solium  
D. Mycobacterium tuberculosis
96. Pyrogen is produced by  
A. Bacteria  
B. Typhoid  
C. Virus  
D. Measles

97. Bioavailability of drug refers to
- Ratio of orally administered drug to the excreted in the feces
  - Ratio of drug excreted unchanged in urine to that excreted as metabolites.
  - Ratio of oral to parenteral dose
  - Percentage of administered dose that reaches systemic circulation
98. Which of the following terms describes when the use of a medication at normal dose produces harmful and undesired results?
- Drug - drug interaction
  - Contraindication
  - Side effect
  - Adverse drug reaction
99. Transfer of pollen grains from anther to stigma is known as
- Laying
  - Pollination
  - Propagation
  - Megasporosis
100. After speaking with a customer regarding her questions about weight loss and healthy methods of long term weight maintenance, the customer still wishes to use a herbal remedy recommended by her best friend. Which of the following ethical principles must the pharmacist respect regarding this patient's plan?
- Justice
  - Autonomy
  - Confidentiality
  - Beneficence
101. Which of the following alkaloid does not contain heterocyclic nature in its structure?
- Papaverine
  - Quinine
  - Vincristine
  - Ephedrine
102. Digitalis species contains:
- Bitter glycosides
  - Anthocyanin glycosides
  - Cardiac glycosides
  - Saponin glycosides
103. Which of the following is not an antacid:
- Sodium bicarbonate
  - Aluminum hydroxide
  - Magnesium carbonate
  - Sodium hydroxide
104. Select the abrasive agent used in tooth paste from the list:
- Calcium carbonate
  - Povidone iodine
  - Sodium nitrate,
  - Sulphur compound
105. Select the reagent for chloride limit test:
- Silver nitrate
  - Boric acid

106. All of the following are anticancer compounds EXCEPT:
- |                  |                     |
|------------------|---------------------|
| B. Iodoic acid   | D. Sodium nitrate   |
| A. Cisplatin,    | C. Cyclophosphamide |
| B. Carbamazepine | D. Chlorambucil     |
107. Combustion of Benzene ( $C_6H_6$ ) evolves-----:
- |                    |                   |
|--------------------|-------------------|
| A. Carbon monoxide | C. Carbon dioxide |
| B. Sulphurdioxide  | D. Nitric oxide   |

108. Which of the following is the structure of Formaldehyde:



109. Which of the following can be used as Tocolytics?
- |                  |                      |
|------------------|----------------------|
| A. Phenylephrine | C. Salbutamol        |
| B. Propranolol   | D. Methylergometrine |
110. One of the following drugs is a pro-drug:
- |                    |                 |
|--------------------|-----------------|
| A. Diphenhydramine | C. Promethazine |
| B. Ticlopidine,    | D. Aspirin      |
111. Persistent nonproductive cough has been reported with the use of .....
- |                 |              |
|-----------------|--------------|
| A. Esomeprazole | C. Ephedrine |
| B. Econazole    | D. Enalapril |
112. Digitalis is known for containing following class of chemicals
- |                      |                       |
|----------------------|-----------------------|
| A. Oleoresins        | C. Cardiac glycosides |
| B. Tropane alkaloids | D. Indol alkaloids    |
113. Which one of the following plant contains anticancer chemical constituent?
- |                                  |                             |
|----------------------------------|-----------------------------|
| A. <i>Cinnamomum glaucescens</i> | C. <i>Piper longum</i>      |
| B. <i>Dactylorhizaha tagirea</i> | D. <i>Taxus wallichiana</i> |
114. One of the following is not included in the objectives of a hospital pharmacy in a hospital:

- |  |
|--|
| A. To act as a data bank on drug utilization.        |
| B. To act as a counseling department for medication. |

- C. To professionalize the functioning of pharmaceutical services in a hospital.
- D. Draft, finalize and implement the Standard treat Schedule

115. Which one of the followings is a radiopharmaceutical?

- A. Chlorine 35
- B. Iodine 127
- C. Iodine 131
- D. Carbon 12

116. -----is transported across the blood-brain-barrier (BBB) by the large neutral amino acid transporter

- A. Paracetamol
- B. Carbimazole
- C. Levodopa
- D. Haloperidol

117. -----shows its pharmacological action by stabilizing the neuronal membrane by inhibiting the ionic fluxes required for the initiation and conduction of impulses:

- A. Nitrous oxide
- B. Halothane
- C. Lignocaine
- D. Ether

118. Primary route of administration of insulin:

- A. Intradermal
- B. Intramuscular
- C. Subcutaneous
- D. Intravenous

119. Which one of the following drugs used in the treatment of iron deficiency anemia?

- A. Zinc sulphate
- B. Folic acid
- C. Vit B<sub>12</sub>
- D. Ferrous sulfate

120. What is the percentage of medicinal herbs collected from government-managed forests in Nepal?

- A. 49.5
- B. 18.5
- C. 10.5
- D. 30.5

121. Which one of the following medicine is used in hypothyroidism?

- A. Thyroxine
- B. Carbamazepine
- C. Carbimazole
- D. Metronidazole

122. What is the scientific name of PIPLA?

- A. *Tinospora cardifolia*                      C. *Piper longum*  
 B. *Piper nigrum*                                  D. *Asparagus racemosus*
123. Which one of the following medicine is used in Grand mal epilepsy?
- A. Pethidine                      C. Carbimazole  
 B. Carbamazepine              D. Fluoxetine
124. Which one of the following drug could be given for treatment of insomnia?
- A. Carbamazepine                      C. Domperidone  
 B. Zolpidem                              D. Fluoxetine
125. Choose an opioid analgesic:
- A. Ketorolac                      C. Piroxicam  
 B. Pethidine                      D. Midazolam
126. All of the following are used in major/ minor surgical procedures EXCEPT:
- A. Midazolam                      C. Glycopyrrolate  
 B. Propofol                        D. Fentanyl
127. Indicate the psychostimulant, which is a methylxantine derivative:
- A. Amphetamine                      C. Brown sugar  
 B. Caffeine                              D. Diazepam
128. Which of the following agent is the precursor of dopamine?
- A. Bromocriptine                      C. Levodopa  
 B. Selegiline                            D. Dobutamine
129. The preferred drugs for status epilepticus is:
- A. Intravenous diazepam  
 B. Intravenous phenytoin sodium  
 C. Intramuscular phenobarbitone  
 D. Rectal diazepam
130. Select the gaseous anaesthetic agent from the list:
- A. Halothane                      C. Thiopentone  
 B. Nitrous oxide                  D. Desflurane
131. The drug used in acute gout is:
- A. Colchicin                              C. Allopurinol  
 B. Aspirin                                D. Febuxostat
132. The scientific discipline that compares the value of one pharmaceutical drug or drug therapy to another is:

- A. Pharmaceutical statistics      C. Medical statistic  
B. Pharmacoeconomic              D. Medical economic
133. Indicate cholinesterase activator:
- A. Pralidoxime                      C. Edrophonium  
B. Pilocarpine                      D. Isoflurophate
134. Contraindications of Atenolol is:
- A. Congestive heart failure      C. Asthma  
B. Arrhythmias                      D. Hypertension
135. Select a reversible cholinesterase inhibitor:
- A. Isoflurophate                  C. Malathion  
B. Physostigmine                  D. Parathion
136. Which excipient category is best suited for Aerosil -200 (Colloidal Silicon Dioxide)?
- A. Binder                              C. Glidant  
B. Die wall Lubricant              D. Disintegrant
137. During compression, a layer of materials from a tablet sticks on a punch surface, this problem is:
- A. Sticking                          B. Binding                          C. Picking      D. Lamination
138. The disintegration time of a dispersible tablet should not exceed than:
- A. 1 min                              B. 3 mins                          C. 15 mins      D. 30 mins
139. What will be the average fill weight in size '2' capsule for the powder having tapped density of  $0.7 \text{ g/cm}^3$ :
- A. 260 mg                          B. 189 mg                          C. 530 mg                          D. 140 mg
140. Which one of the following is the advantage of liquid dosage form over oral dosage form?
- A. Microbial contamination                      B. Taste of drug  
B. Accurate dose                                      D. Uniform distribution
1. What is the advantage of deflocculated suspension over the Flocculated suspensions?
141. No cake formation                      C. Slower Sedimentation rate
- A. Clear supernatant layer                      D. Less viscous

142. When an emulsion is mixed with a water-soluble dye, if the continuous phase appears colored, then it means that the emulsion is
- A. O/W                      B. W/O                      C. O/W/O                      D. O/O
143. Polyethylene glycol is which type of ointment base?
- A. Oleaginous base                      C. Emulsion base  
B. Water soluble                      D. Absorption base
144. In which container, a dose can be removed without contamination of remaining material.
- A. PETE bottle                      C. Sterile bottle  
B. Laminated tube                      D. Aerosol
145. Which one of the following is not a dentifrice?
- A. Tooth Paste                      C. Mouth Wash  
B. Tooth Powder                      D. Denture cleaner
146. The fatty base used to make suppository is .....
- A. Glycero- gelatin                      C. Cocoa butter  
B. Polyethylene Glycol                      D. Soap-glycerin
147. The hydrocarbon propellant used in aerosol is...
- A. Butane                      C. Carbon dioxide  
B. Nitrogen                      D. Dichlorodifluoromethane
148. The excipient used as filler in a tablet is:
- A. Dicalcium phosphate                      C. Caramellose sodium  
B. Magnesium stearate                      D. PEG- 6000
149. In the limit test for iron, the role of thioglycollic acid is
- A. Oxidize iron(II) to iron (III)                      C. Oxidize iron(III) to iron (II)  
B. Helps to precipitate iron                      D. Forms black coloured compound
150. The reagent for Sulphate limit test is: ...
- A. BaCl<sub>2</sub>                      C. KCl  
B. NaCl                      D. MgCl<sub>2</sub>
151. According to IP, freely soluble means parts of solute required for 1 parts of solute?

- A. Less than 1  
B. From 10-30  
C. From 1 to 10  
D. From 30 to 100
152. Number of moles of solute in a solution corresponding to gram of solvent is
- A. Molarity  
B. Percentage  
C. Normality  
D. Molality
153. The best indicator for titrating strong base with weak acid is .....
- A. Methyl orange  
B. Crystal violate  
C. Methyl red  
D. Phenolphthalein
154. The instrument used to analyze radiopharmaceuticals is .....
- A. TLC  
B. GM Counter  
C. Craig Tube  
D. Titration
155. Following is not the primary standard...
- A. Oxalic Acid  
B. HCl  
C.  $\text{Na}_2\text{CO}_3$   
D. Potassium Hydrogen Phthalate
156. Hospitals with highly specialized treatment and care is known as;
- A. Extraordinary hospital  
B. Secondary hospital  
C. Tertiary hospital  
D. Primary hospital
157. Which one of the following is the meaning of PRN?
- A. When advised  
B. Immediately  
C. When necessary  
D. Now
158. An irreversible process by which two or more droplets merge during contact to form a single daughter droplet. In an emulsion is:
- A. Flocculation  
B. Coalescence  
C. Creaming  
D. Deflocculation
159. The total number of pharmacists required in a standard 200 bedded hospital is;
- A. 3  
B. 5  
C. 8  
D. 10
160. Not administering a prescribed drug to the patient is an example of :
- A. Error of omission  
B. Violation of guidelines  
C. Incorrect administration  
D. Incorrect therapy error
161. ----- competes with acetylcholine for the nicotinic receptors at the neuromuscular junction of skeletal muscles, thereby inhibiting the action of acetylcholine and blocking the neural transmission without depolarizing the postsynaptic membrane.
- A. Suxamethonium,  
C. Tizanidine.



- B. Tubocurarine  
D. Danthrolone
162. Reference level for serum creatinine is;  
A. 0.6-1.35mg/dL  
B. 0.2-0.3mg/dL  
C. 8-20mg/dL  
D. 0.9-1.8mg/dL
163. Which one of the following statements about counseling is true?  
A. Counseling is same as lecture  
B. Patients should not be given the opportunity to ask questions  
C. As such counseling can't be done in any way  
D. The extent to which patients should be told about side effects will vary from one patient to another
164. Which one of the following medicines may inhibit the hepatic microsomal P450 responsible for warfarin metabolism?  
A. Cimetidine  
B. Phenobarbital  
C. Ethanol  
D. Rifampin
165. Which of the following procedures can be carried out at home?  
A. Hemodialysis  
B. Peritoneal dialysis  
C. Plasmapheresis  
D. Apheresis
166. Following are the complications related to antineoplastic drugs EXCEPT  
A. Bone marrow suppression  
B. Nausea and vomiting  
C. Alopecia  
D. Temporary memory loss.
167. The over the counter drugs which affect the absorption of drugs include following drugs is.  
A. Antacids  
B. Cetrizine  
C. Paracetamol  
D. Fexofenadine
168. A patient receives long term high dose therapy with ethambutol. After 5 weeks of therapy, the patient has a optical neuropathy. Which type of hypersensitivity accounts for these symptoms?  
A. Type I  
B. Type III  
C. Type II  
D. Type IV
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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.

170. All of the following points are taken into account when calculating dose for geriatric EXCEPT

- A. Height
- B. Disease condition
- C. Weight
- D. Renal function

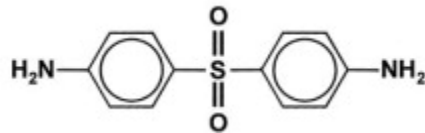
171. Select the item that cannot be used as diagnostic agent:

- A. Barium Sulphate
- B. Barium Chloride
- C. Iopanoic acid
- D. Propylidone

172. Pharmacovigilance is the science relating to adverse effects of pharmaceutical product EXCEPT

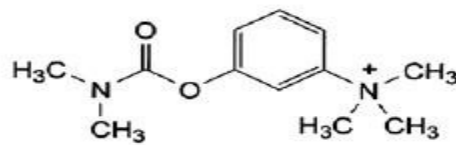
- A. Collecting
- B. Assessment
- C. Detection
- D. Enhancing

173. Identify the structure of the following drug:



- A. Dapsone
- B. Sulfonamide
- C. Diaminosulfide
- D. Sulfodiamine

174. Why the following drug does not cross the Blood Brain Barrier?



- A. Hydrophilic
- B. Contains cationic head
- C. Insoluble in water
- D. Highly lipophilic

175. One of the following is antidote of Heparin overdose

- A. Protamine Sulphate
- B. Pralidoxime
- C. Potassium permanganate
- D. Flumazenil

176. Which of the following is the jurisdiction of Nepal Pharmacy Council?

- A. Inspect community pharmacy

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- B. Section 21
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- A. Section 29
- B. Section 31
- C. Section 30
- D. Section 32

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- A. Schedule 4
- B. Schedule 6
- C. Schedule 5
- D. Schedule 7

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- A. Rs. 50
- B. Rs. 200
- C. Rs. 100
- D. Rs. 500

183. The provision for testing for sample of drug is mentioned in ..... of drug act 2035.

- A. Section 22
- B. Section 24
- C. Section 23
- D. Section 25

184. The Pharmacy registration certificate is issued as per ..... of Drug Registration Regulation 2038 is

- A. Schedule 6
- B. Schedule 8
- C. Schedule 7
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185. Following are Non Verbal Communication EXCEPT



B. Calculation of dose

D. counseling of a patient

195. The process whereby the patient follows the prescribed and dispensed regimen as intended by the prescriber and dispenser is known as:

A. Patient counseling

C. Patient compliance

B. Correct dispensing

D. Patient education

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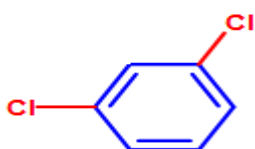
A. Purchasing of supplies from relevant parties

B. Receiving and storing of all necessary items

C. Dispensing as per demand form

D. Distribution out of hospital as required

197. Select the correct name of the following compound according to IUPAC:



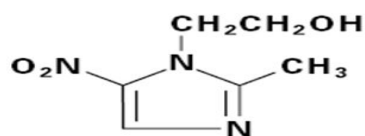
A. 1,3 Dichlorobenzene

C. O- Chlorobenzene

B. P- chlorobenzene

D. Benzene dichloride

198. Identify the structure of the following drugs:



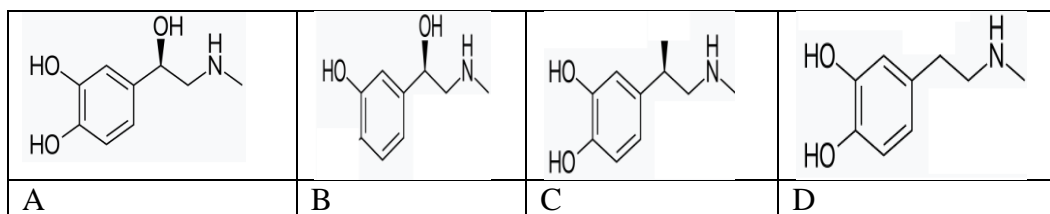
A. Methimazole

C. Mebendazole

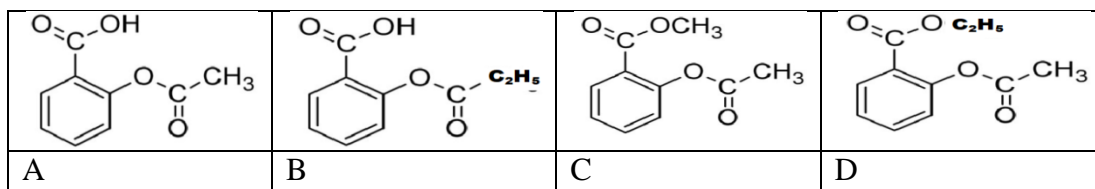
B. Metronidazole

D. Metoclopramide

199. One of the following is not a catecholamine adrenergic agonist:



200. Identify the structure of Aspirin from the following set of structures:



201. Which of the following alkaloid does not contain heterocyclic nature in its structure?

- C. Papaverine
- D. Vincristine

- C. Quinine
- D. Ephedrine

202. Digitalis species contains:

- C. Bitter glycosides
- D. Cardiac glycosides

- C. Anthocynain glycosides
- D. Saponin glycosides

203. Which of the following is not a antacid:

- C. Sodium bicarbonate
- D. Magnesium carbonate

- C. Aluminum hydroxide
- D. Sodium hydroxide

204. Select the abrasive agent used in tooth paste from the list:

- C. Calcium carbonate
- D. Sodium nitrate,

- C. Povidone iodine
- D. Sulphur compound

205. Select the reagent for chloride limit test:

- C. Silver nitrate
- D. Iodoic acid

- C. Boric acid
- D. Sodium nitrate

206. All of the following are anticancer compounds EXCEPT:

- C. Cisplatin,
- D. Carbamazepine

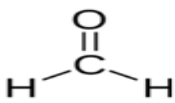
- C. Cyclophosphamide
- D. Chlorambucil

207. Combustion of Benzene (C<sub>6</sub>H<sub>6</sub>) evolves-----:

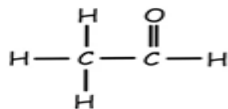
- C. Carbon monooxide
- D. Sulphurdioxide

- C. Carbon dioxide
- D. Nitric oxide

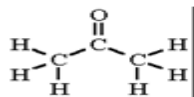
208. Which of the following is the structure of Formaldehyde:



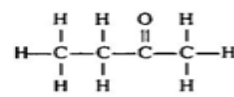
A



B



C



D

209. Which of the following can be used as Tocolytics?

- C. Phenylepherine
- D. Propranolol

- C. Salbutamol
- D. Methylergometrine

210. One of the following drugs is a pro-drug:

- C. Diphenhydramine                      C. Promethazine  
 D. Ticlopidine,                              D. Aspirin
211. Persistent nonproductive cough has been reported with the use of .....
- C. Esomeprazole                      C. Ephedrine  
 D. Econazole                              D. Enalapril
212. Digitalis is known for containing following class of chemicals
- C. Oleoresins                              C. Cardiac glycosides  
 D. Tropane alkaloids                      D. Indol alkaloids
213. Which one of the following plant contains anticancer chemical constituent?
- C. *Cinnamomum glaucescens*                      C. *Piper longum*  
 D. *Dactylorhiza tagirea*                              D. *Taxus wallichiana*
214. One of the following is not included in the objectives of a hospital pharmacy in a hospital:
- E. To act as a data bank on drug utilization.  
 F. To act as a counseling department for medication.  
 G. To professionalize the functioning of pharmaceutical services in a hospital.  
 H. Draft, finalize and implement the Standard treat Schedule
215. Which one of the followings is a radiopharmaceutical?
- C. Chlorine 35                              C. Iodine 131  
 D. Iodine 127                              D. Carbon 12
216. -----is transported across the blood-brain-barrier (BBB) by the large neutral amino acid transporter
- C. Paracetamol                              C. Levodopa  
 D. Carbimazole                              D. Haloperidol
217. -----shows its pharmacological action by stabilizing the neuronal membrane by inhibiting the ionic fluxes required for the initiation and conduction of impulses:
- C. Nitrous oxide                              C. Lignocaine  
 D. Halothane                                  D. Ether
218. Primary route of administration of insulin:

- C. Intradermal
- D. Intramuscular

- C. Subcutaneous
- D. Intravenous

219. Which one of the following drugs used in the treatment of iron deficiency anemia?

- C. Zinc sulphate
- D. Folic acid

- C. Vit B<sub>12</sub>
- D. Ferrous sulfate

220. What is the percentage of medicinal herbs collected from government-managed forests in Nepal?

- B. 49.5
- B. 18.5
- C. 10.5
- D. 30.5

221. Which one of the following medicine is used in hypothyroidism?

- C. Thyroxine
- D. Carbamazepine
- C. Carbimazole
- D. Metronidazole

222. What is the scientific name of PIPLA?

- C. *Tinospora cardifolia*
- D. *Piper nigrum*
- C. *Piper longum*
- D. *Asparagus racemosus*

223. Which one of the following medicine is used in Grand mal epilepsy?

- C. Pethidine
- D. Carbamazepine
- C. Carbimazole
- D. Fluoxetine

224. Which one of the following drug could be given for treatment of insomnia?

- C. Carbamazepine
- D. Zolpidem
- C. Domperidone
- D. Fluoxetine

225. Choose an opioid analgesic:

- C. Ketorolac
- D. Pethidine
- C. Piroxicam
- D. Midazolam

226. All of the following are used in major/ minor surgical procedures EXCEPT:

- C. Midazolam
- D. Propofol
- C. Glycopyrrolate
- D. Fentanyl

227. Indicate the psychostimulant, which is a methylxantine derivative:

- C. Amphetamine
- D. Caffeine
- C. Brown sugar
- D. Diazepam

228. Which of the following agent is the precursor of dopamine?



- C. Bromocriptine                      C. Levodopa  
 D. Selegiline                            D. Dobutamine
229. The preferred drugs for status epilepticus is:
- E. Intravenous diazepam  
 F. Intravenous phenytoin sodium  
 G. Intramuscular phenobarbitone  
 H. Rectal diazepam
230. Select the gaseous anaesthetic agent from the list:
- C. Halothane                            C.Thiopentone  
 D. Nitrous oxide                      D. Desflurane
231. The drug used in acute gout is:
- C. Colchicin                              C. Allopurinol  
 D. Aspirin                                D. Febuxostat
232. The scientific discipline that compares the value of one pharmaceutical drug or drug therapy to another is:
- C. Pharmaceutical statistics            C. Medical statistic  
 D. Pharmacoeconomic                 D. Medical economic
233. Indicate cholinesterase activator:
- C. Pralidoxime                          C. Edrophonium  
 D. Pilocarpine                          D. Isoflurophate
234. Contraindications of Atenolol is:
- C. Congestive heart failure    C. Asthma  
 D. Arrhythmias                        D. Hypertension
235. Select a reversible cholinesterase inhibitor:
- C. Isoflurophate                      C. Malathion  
 D. Physostigmine                      D. Parathion
236. Which excipient category is best suited for Aerosil -200 (Colloidal Silicon Dioxide)?
- C. Binder                                 C. Glidant  
 D. Die wall Lubricant                D. Disintegrant
237. During compression, a layer of materials from a tablet sticks on a punch surface, this problem is:

- B. Sticking                  B. Binding                  C. Picking    D. Lamination
238. The disintegration time of a dispersible tablet should not exceed than:  
       B. 1 min                  B. 3 mins                  C. 15 mins    D. 30 mins
239. What will be the average fill weight in size '2' capsule for the powder having tapped density of  $0.7 \text{ g/cm}^3$ :  
       B. 260 mg                  B. 189 mg                  C. 530 mg    D. 140 mg
240. Which one of the following is the advantage of liquid dosage form over oral dosage form?  
       C. Microbial contamination                  B. Taste of drug  
       D. Accurate dose                                  D. Uniform distribution
241. What is the advantage of deflocculated suspension over the Flocculated suspensions?  
       B. No cake formation                  C. Slower Sedimentation rate  
       C. Clear supernatant layer                  D. Less viscous
242. When an emulsion is mixed with a water-soluble dye, if the continuous phase appears colored, then it means that the emulsion is  
       B. O/W                          B. W/O                          C. O/W/O                  D. O/O
243. Polyethylene glycol is which type of ointment base?  
       C. Oleaginous base                  C. Emulsion base  
       D. Water soluble                          D. Absorption base
244. In which container, a dose can be removed without contamination of remaining material.  
       C. PETE bottle                          C. Sterile bottle  
       D. Laminated tube                          D. Aerosol
245. Which one of the following is not a dentifrice?  
       E. Tooth Paste                          C. Mouth Wash  
       F. Tooth Powder                          D. Denture cleaner
246. The fatty base used to make suppository is .....
- B. Glycero- gelatin                          G. Cocoa butter  
       B. Polyethylene Glycol                          H. Soap-glycerin

247. The hydrocarbon propellant used in aerosol is...
- B. Butane  
B. Nitrogen
- C. Carbon dioxide  
D. Dichlorodifluoromethane
248. The excipient used as filler in a tablet is:
- B. Dicalcium phosphate  
B. Magnesium stearate
- C. Caramellose sodium  
D. PEG- 6000
249. In the limit test for iron, the role of thioglycollic acid is
- B. Oxidize iron(II) to iron (III)  
B. Helps to precipitate iron
- C. Oxidize iron(III) to iron (II)  
D. Forms black coloured compound
250. The reagent for Sulphate limit test is: ...
- B.  $BaCl_2$   
B. NaCl
- C. KCl  
D.  $MgCl_2$
251. According to IP, freely soluble means parts of solute required for 1 parts of solute?
- B. Less than 1  
B. From 10-30
- C. From 1 to 10  
D. From 30 to 100
252. Number of moles of solute in a solution corresponding to gram of solvent is
- B. Molarity  
B. Percentage
- C. Normality  
D. Molality
253. The best indicator for titrating strong base with weak acid is .....
- C. Methyl orange  
D. Crystal violet
- C. Methyl red  
D. Phenolphthalein
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- B. TLC  
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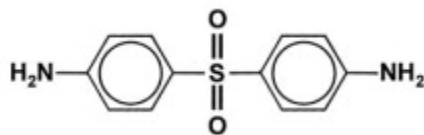
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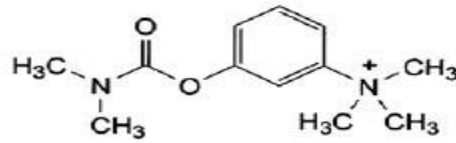
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|---------------|--------------|
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285. Following are Non Verbal Communication EXCEPT

C. Facial Expression  
D. Postures

C. Writing behind the strip  
D. Bodily contact

286. GPP means

C. Good Pharmacy Practice  
D. Good Performance Practice

C. Good Pharmaceutical Practice  
D. Good Procurement Practice

287. Dispensing label contains .....besides other information which is not in manufacture label

C. Expiry date  
D. "For External Use"

C. Name of Medicine  
D. Name of the patient

288. Which of the following vaccine is not included in the vaccination campaign of Nepal Government against Covid-19:

C. Covishield  
D. Verocell

C. Sputnik V  
D. Janssen

289. The practice of monitoring the effects of medicine after they have been licensed for use, especially in order to identify and evaluate previously unreported adverse reactions is known as

C. Pharmacovigilance  
D. Pharmacotherapy

C. Pharmacogenetics  
D. Pharmacokinetics

290. The state of keeping the information secret or private is known as

C. Secrecy  
D. Empathy

C. Confidentiality  
D. Sympathy

291. Which ingredient is not included in ORS?

B. Calcium      B. Sodium      C. Chloride      D. Potassium

292. Following are the barriers of effective communication except

C. Environment      C. Time  
D. Pharmacist      D. Law regarding pharmacy practice

293. List drugs that have been approved for use on the basis of therapeutic and economic considerations is

C. Therapeutic drug list      C. Narcotic List  
D. Investigational drug list.      D. Formulary

294. One of the following is consider as Non-Dispensing Role of community pharmacist:

C. Health Education      C. Selection of proper medication  
D. Calculation of dose      D. counseling of a patient

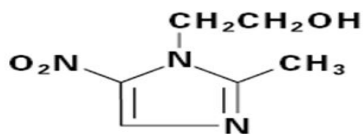
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