

(PHA)

## PHARMACY

### INSTRUCTIONS TO CANDIDATES

1. Candidates should write their Hall Ticket Number only in the space provided at the top left hand corner of this page, on the leaflet attached to this booklet and also in the space provided on the OMR Response Sheet. **BESIDES WRITING, THE CANDIDATE SHOULD ENSURE THAT THE APPROPRIATE CIRCLES PROVIDED FOR THE HALL TICKET NUMBERS ARE SHADED USING H.B. PENCIL ONLY ON THE OMR RESPONSE SHEET. DO NOT WRITE HALL TICKET NUMBER ANY WHERE ELSE.**
2. Immediately on opening this Question Paper Booklet, check:
  - (a) Whether **200** multiple choice questions are printed (**50** questions in Pharmaceutics, **50** questions in Pharmaceutical Chemistry, **50** questions in Pharmacognosy and **50** questions in Pharmacology)
  - (b) In case of any discrepancy immediately exchange the Question paper Booklet of same code by bringing the error to the notice of invigilator.
3. Use of Calculators, Mathematical Tables and Log books is not permitted.
4. **Candidate must ensure that he/she has received the Correct Question Booklet, corresponding to his/her branch of Engineering.**
5. **Candidate should ensure that the booklet Code and the Booklet Serial Number, as it appears on this page is entered at the appropriate place on the OMR Response Sheet by shading the appropriate circles provided therein using H.B. pencil only. Candidate should note that if they fail to enter the Booklet Serial Number and the Booklet Code on the OMR Response Sheet, their Answer Sheet will not be valued.**
6. **Candidate shall shade one of the circles 1, 2, 3 or 4 corresponding question on the OMR Response Sheet using H.B. Pencil only. Candidate should note that their OMR Response Sheet will be invalidated if the circles against the question are shaded using Black / Blue ink pen / Ball pen / any other pencil other than H.B. Pencil or if more than one circle is shaded against any question.**
7. One mark will be awarded for every correct answer. **There are no negative marks.**
8. The OMR Response Sheet will not be valued if the candidate :
  - (a) Writes the Hall Ticket Number in any part of the OMR Response Sheet except in the space provided for the purpose.
  - (b) Writes any irrelevant matter including religious symbols, words, prayers or any communication whatsoever in any part of the OMR Response Sheet.
  - (c) Adopts any other malpractice.
9. Rough work should be done only in the space provided in the Question Paper Booklet.
10. No loose sheets or papers will be allowed in the examination hall.
11. Timings of Test: 10.00 A.M. to 1.00 P.M.
12. Candidate should ensure that he / she enters his / her name and appends signature on the Question paper booklet, leaflet attached to this question paper booklet and also on the OMR Response Sheet in the space provided. Candidate should ensure that the invigilator puts his signature on this question paper booklet, leaflet attached to the question paper booklet and also on the OMR Response Sheet.
13. Before leaving the examination hall candidate should **return both the OMR Response Sheet and the leaflet attached to this question paper booklet** to the invigilator. Failure to return any of the above shall be construed as malpractice in the examination. **Question paper booklet may be retained by the candidate.**
14. This booklet contains a total of **32** pages including Cover page and the pages for Rough Work.

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7. This preparation is intended to be introduced into one of the body cavities  
(1) Douches (2) Draught  
(3) Gargles (4) Throat paints
8. What percentage of Benzoic acid is used as preservative in liquid preparations?  
(1) 0.01% to 0.1% (2) 0.001% to 0.01%  
(3) 0.0001% to 0.001% (4) 0.1% to 1%
9. Phenolphthalein, rhubarb powder, and light kaolin are the examples of  
(1) Diffusible solids (2) Indiffusible solids  
(3) Complexing agents (4) Flocculating agent
10. Quaternary ammonium compounds are used as  
(1) Non ionic emulsifying agent (2) Cationic emulsifying agent  
(3) Anionic emulsifying agent (4) Natural emulsifying agent
11. Bottle method is used for preparation of  
(1) Suspensions (2) Lotions (3) Ointments (4) Emulsions
12. These ointments are intended to release the medicament that pass through the skin and produce systemic effects  
(1) Epidermic ointment (2) Endo dermic ointment  
(3) Diadermic ointment (4) Keratolytic ointment
13. Leucoplast is example of  
(1) Throat paint (2) Tooth paste  
(3) Adhesive plaster (4) Hair dressing
14. What is the weight of vaginal suppositories?  
(1) 1 to 2 gms (2) 3 to 6 gms (3) 2 to 4 gms (4) 0.5 to 1 gm

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15. Aurinaria are meant for introduction into  
(1) Rectum (2) Nose (3) Urethra (4) Ear
16. Cold compression method is used for preparation of  
(1) Suppositories (2) Tablets (3) Ointments (4) Jellies
17. These preparations are applied to the cheeks to impart and stimulate the rosy freshness to the skin  
(1) Face powders (2) Compact powders  
(3) Rouges (4) Vanishing creams
18. Hair tonics are used for  
(1) Impart luster (2) Curing baldness  
(3) Fluffiness to hair (4) Hair style
19. 1% methylene blue solution is used to test  
(1) Ophthalmic drops (2) Syrups  
(3) Parenterals (4) Emulsions
20. Contact lenses are usually made from  
(1) Methyl cellulose (2) Polymethyl methacrylate  
(3) Eudragits (4) Ethyle cellulose
21. Major amendments in Drugs and Cosmetic Act was made in  
(1) 1975 (2) 1982 (3) 1985 (4) 1986
22. Example of Narcotic drug is.  
(1) Crocin (2) Opium (3) Caramel (4) Ciprofloxacin
23. Digitalis belongs to schedule  
(1) E (2) X (3) G (4) H

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24. Persons from teaching profession are nominated in PCI By  
(1) State Government (2) Central Government  
(3) Executive Committee (4) Election
25. If the product has been substituted wholly or partially by another drug (or) substance, it is known as  
(1) Spurious drug (2) Adulterated drug  
(3) Misbranded drug (4) Poionous drug
26. In the drugs and cosmetics Act and rules, the schedule relating to-GMP is  
(1) Schedule X (2) Schedule P  
(3) Schedule M (4) Schedule Y
27. List of minimum equipment for efficient running of a pharmacy is given in schedule  
(1) M (2) N (3) Q (4) R
28. Talisman, Mantras and Kavachas come under  
(1) Misbranded drugs (2) Poisnous drugs  
(3) Magic remedies (4) Psychotropic drugs
29. Example of schedule X drug is  
(1) Ciprofloxacin (2) Emetine (3) Quinidine (4) Diazepam
30. Alcholic preparations can be stored in a ware house for a maximum period of  
(1) 6 yrs (2) 5 yrs (3) 3 yrs (4) 2 yrs
31. The second edition of the Indian Pharmacopoeia was published in  
(1) 1947 (2) 1955 (3) 1966 (4) 1975
32. In which year the government of India consituted a permanent Indian Pharmacopoeia committee?  
(1) 1955 (2) 1948 (3) 1960 (4) 1945

33. These preparations are usually prepared by maceration or percolation  
(1) Throat paints (2) Gargles (3) Tinctures (4) Linctuses
34. What concentration of sodium chloride will be required to make a 2% solution of procaine hydrochloride isotonic with blood plasma. The freezing point of 1% w/v solution of sodium chloride is  $-0.576^{\circ}\text{C}$  and that of procaine hydrochloride is  $-0.122^{\circ}\text{C}$   
(1) 4.26% w/v (2) 4.79% w/v (3) 0.479% w/v (4) 0.52% w/v
35. Hermetically sealed containers are used for  
(1) Injectables (2) Tablets (3) Aerosols (4) Galenicals
36. Shining flakes phenomenon on the packaging contents is seen on  
(1) Plastics (2) Metals (3) Paper (4) Glass
37. End runner mill works on the principle of  
(1) Cutting and Shearing (2) Crushing and Shearing  
(3) Bruising and Shearing (4) Grating and Shearing
38. This method is an example of manual size reduction  
(1) Impact (2) Attrition (3) Compression (4) Levigation
39. Incremental particle size measurement is done by the diameter which is measured by using Andreason Pipette method of sedimentation  
(1) Surface number diameter (2) Length number diameter  
(3) Stoke's diameter (4) Volume number diameter
40. Tumbler mixers function by following mechanism  
(1) Diffusive (2) Convective (3) Shear (4) Convective & Shear
41. Homogenizers are used for  
(1) Size separation (2) Filtration (3) Maceration (4) Mixing

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42. The most commonly used mixer for mixing of semi solids  
(1) Sigma arm mixer (2) Planetary motion mixer  
(3) Agitator mixers (4) Tumbler mixer
43. Asbestos is used for  
(1) Maceration (2) Clarification (3) Extraction (4) Filtration
44. The limits of sieve numbers for coarse powder  
(1) No.10/44 (2) No. 22/65 (3) No. 44/85 (4) No.120
45. Imbibition is used for  
(1) Size reduction of substance (2) Size separation of substance  
(3) Moistening of substance (4) Packaging of substance
46. Which type of extraction method is used when the penetration of the menstruum into the cellular tissues is very low and the solute is not readily soluble?  
(1) Reserved percolation (2) Soxhlet extraction  
(3) Maceration (4) Decoction
47. Solids gets converted into liquids without adding any solvent is called as  
(1) Deliquescence (2) Calcination (3) Ignition (4) Exsiccation
48. Soxhlet apparatus is used in  
(1) Filtration (2) Distillation (3) Extraction (4) Sterilization
49. Heating with bactericide method is adopted in  
(1) Moist heat sterilization (2) Dry heat sterilization  
(3) Sterilization by radiation (4) Gaseous sterilization
50. Hypodermic tablets are  
(1) Oral preparations (2) Sublingual tablets  
(3) Injectables (4) Implants

**PHARMACEUTICAL CHEMISTRY**

51. Sulphonamides are structurally similar to  
(1) Pencillins (2) Cephalosporin (3) PABA (4) DHFA
52. Which of the following is an anti-pseudomonal penicillin?  
(1) Carbenicillin (2) Ampicillin (3) Amoxycillin (4) Methicillin
53. Cefepime belongs to which generation of Cephalosporins  
(1) First (2) Second (3) Third (4) Fourth
54. Chemically PAS is  
(1) 4-amino-2-hydroxy benzoic acid (2) 5-amino-3-hydroxy benzoic acid  
(3) 2-amino-2-hydroxy benzoic acid (4) 6-amino-4-hydroxy benzoic acid
55. Amodiaquine is a derivative of  
(1) 3-amino quinolone (2) 4-amino quinolone  
(3) 2-amino quinolone (4) 5-amino quinolone
56. The basic nucleus present in thiabendazole is  
(1) Imidazole (2) Thiophene  
(3) Thiazole (4) Triazole
57. Haloperidol belongs to the class of  
(1) Dihydroindoles (2) Butyrophenones  
(3) Dibenzoxazepines (4) Iminostilbenes
58. Which of the following is a monoamine oxide inhibitor?  
(1) Sertraline (2) Imipramine  
(3) Amitryptaline (4) Tranylcypromine

59. Ultra-short acting barbiturate is  
(1) Pentobarbital (2) Phenobarbital  
(3) Amobarbital (4) Thiopental
60. Chemically 3-ethyl-3 phenyl-2,6-piperidinedione  
(1) Glutethimide (2) Phenelzine  
(3) Thiopental (4) Halothane
61. Nasal decongestant is  
(1) Xylometazoline (2) Tolazoline  
(3) Propranolol (4) Pralidoxine
62. Neostigmine acts as a  
(1) Cholinomimetic (2) Muscarinic antagonist  
(3) Nicotinic antagonist (4) Anti-cholinesterase
63. Prednisone differs from cortisone in the presence of an additional double between  
(1) C-1 & C-2 (2) C-2 & C-3 (3) C-3 & C-4 (4) C-4 & C-5
64. Phenformin belongs to the class of  
(1) Sulphonyl ureas (2) Biguanides  
(3) Thiazolidinediones (4) Benzoic acid derivatives
65. Which of these is used extensively as a diagnostic tool in ophthalmology?  
(1) Evans blue (2) Congo red  
(3) Fluorescein sodium (4) Diatrizoic acid
66. The fasting blood glucose level in normal individuals is  
(1) 50-90 mg/dl (2) 70-100 mg/dl  
(3) 90-140 mg/dl (4) 110-140 mg/dl



67. A deficiency of which of the following vitamins can cause night blindness?  
(1) Vitamin D      (2) Vitamin K      (3) Vitamin A      (4) Vitamin E
68. What is the total number of ATP yield, when one molecule of palatinate undergoes  $\beta$ -oxidation?  
(1) 129      (2) 139      (3) 99      (4) 109
69. Zymogens are inactive forms of  
(1) Enzymes      (2) Proteins      (3) Genes      (4) Lipids
70. The amino acid that is an important precursor of hemoglobin is  
(1) Alanine      (2) Glycine      (3) Protein      (4) Isoleucine
71. Deficiency of magnesium usually leads to  
(1) Growth retardation      (2) Mental disease  
(3) Parkinsonism      (4) Impaired muscular contraction
72. FAD and FMN are co-enzymes form of  
(1) Riboflavine      (2) Thiamine      (3) Ascorbic acid      (4) Niacin
73. Biuret test is positive for compounds containing  
(1) Co-SH bonds      (2) Co-NH bonds      (3) Co-OH bonds      (4) CH-NH bonds
74. SGOT is elevated in case of  
(1) Liver disease      (2) Diabetes      (3) Heart disease      (4) Starvation
75. Which element is involved in wound healing?  
(1) Zinc      (2) Magnesium      (3) Sodium      (4) Calcium
76. Parkinson's disease is linked with decreased synthesis of  
(1) Phenyl alanine      (2) Acetyl choline      (3) Ephedrine      (4) Dopamine

77. Cholesterol synthesis is controlled by feedback inhibition of the enzyme  
(1) HMG CoA reductase (2) Alanine transaminase  
(3) Ornithine decarboxylase (4) Reverse transcriptase
78. Galactosemia is mostly due to the deficiency of enzyme  
(1) Glucose-6-phosphate  
(2) HMG CoA reductase  
(3) Galactose-phosphate uridyl transferase  
(4) L-Gulonolactone oxidase
79. Millon's test is positive for  
(1) Glycerine (2) Proline (3) Glycine (4) Tyrosine
80. Urine specific gravity of 1.054 indicates  
(1) Excellent renal function  
(2) Inappropriate secretion of ADH  
(3) Extreme dehydration  
(4) Presence of glucose or protein
81. Assay of boric acid is carried out in the presence of which indicator.  
(1) Phenolphthalein (2) Solochrome  
(3) Methyl orange (4) Alizarin red
82. Which of the following agent is used as antioxidant in the preservation of food materials?  
(1) Hypophosphorous acid (2) Sulphur dioxide  
(3) Sodium metabisulphite (4) Nitrogen
83. Which nitrite salt is used in cyanide poisoning?  
(1) Sodium nitrite (2) Magnesium nitrite  
(3) Aluminium nitrite (4) Zinc nitrite

84. Aluminium ion in solution is an example for  
(1) Germicide (2) Astringent (3) Protective (4) Pigment
85. Which of the following is used as carbon dioxide source in the preparation of effervescent mixture?  
(1) Sodium Dihydrogen phosphate (2) Sodium carbonate  
(3) Sodium bicarbonate (4) Sodium citrate
86. External application of dried aluminium hydroxide gel is  
(1) Flavouring agent (2) Mild astringent  
(3) Absorbent (4) Coloring agent
87. In cosmetic preparations, purified talc finds use as  
(1) Bitter (2) Dusting powder  
(3) Dentifrice (4) Poultice
88. Drug that can used as both antacid and laxative is  
(1) Magnesium sulphate (2) Magnesium chloride  
(3) Magnesium hydroxide (4) Sodium sulphate
89. Which of the following is used as an antidote for phosphorus and cyanide poisoning?  
(1) Sodium perborate (2) Nitrogen  
(3) Potassium permanganate (4) Hydrogen peroxide
90. In the assay of Iodine, it is titrated with  
(1) Sodium metabisulphate (2) Sodium hydroxide  
(3) Sodium thiosulphate (4) Sodium sulphate
91. The synonym for aqueous Iodine solution is  
(1) Lugol's solution (2) Tincture of Iodine  
(3) Povidone-Iodine solution (4) Strong Iodine solution

92. Which of the following is an opacity agent?  
(1) Silicon dioxide (2) Carbon dioxide  
(3) Titanium dioxide (4) Zinc oxide
93. Sodium nitrate is used in which poisoning  
(1) Cyanide (2) Barbiturate  
(3) Heavy metal poisoning (4) Alkaloidal poisoning
94. Which of the following is used as topical application to prevent dandruff?  
(1) Selenium sulphide (2) Zinc sulphate  
(3) Kaolin (4) Zinc stearate
95. Boric acid is freely soluble in  
(1) Water (2) Alcohol (3) Glycerin (4) Chloroform
96. Sodium fluoride is assayed by  
(1) Diazotisation titration (2) Complexometric titration  
(3) Non-aqueous titration (4) Acid-base titration
97. All are major extra-cellular ions except  
(1) Calcium (2) Sodium (3) Chloride (4) Potassium
98. The synonym of compound sodium chloride injection is known as  
(1) Normal saline (2) Ringer's injection  
(3) Hartman's solution (4) Lugol's solution
99. Lead acetate wool is used in the arsenic limit test to absorb  
(1) Arsenious hydride (2)  $\text{SO}_2$   
(3) Hydrogen sulphide (4) Hydrogen chloride
100. The unit of radioactivity is  
(1) REM (2) RAD (3) Roentgen (4) Curie

### PHARMACOGNOSY

101. If a minor chooses to become a partner after attaining the majority, he will be liable for the debts of the firm from the date of his
- (1) Attaining majority
  - (2) Admission to the benefit of partnership
  - (3) Choice to become partner of the firm
  - (4) Five years after becoming the partner of the firm
102. Itinerant retailers work with
- (1) Small capital investment
  - (2) Unlimited financial resources
  - (3) Public funds
  - (4) Large capital investment
103. Wholesale drug store can be run with a minimum space of
- (1) 108 sq.ft.
  - (2) 250 sq.ft.
  - (3) 75 sq.ft.
  - (4) 50 sq.ft.
104. The license to open a retail drug store should be applied in the form
- (1) 24A
  - (2) 10
  - (3) 29
  - (4) 19
105. The tenders which are called by advertisement are known as
- (1) Open tenders
  - (2) Limited tenders
  - (3) Simple tenders
  - (4) Oral tenders
106. Codification of items in a store ensures
- (1) Ambiguity in description
  - (2) Easy identification
  - (3) Repeat of inventory
  - (4) Complicated specification of the item
107. In business generally the percentage of working capital involved in inventories is
- (1) 45%
  - (2) 75%
  - (3) 30%
  - (4) 50%

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108. The items which represents 10% of the total inventory but consume about 70% of the total budget of inventory are called

- |             |             |
|-------------|-------------|
| (1) D items | (2) C items |
| (3) B items | (4) A items |

109. The items which cannot be represented by inventory carrying cost is

- |                              |                       |
|------------------------------|-----------------------|
| (1) Salaries of store keeper | (2) Rent of storage   |
| (3) Paper and its typing     | (4) Losses in storage |

110. The transactions which are not capable of being recorded in terms of money are not entered in account books. The concept applied in this case is

- |                       |                       |
|-----------------------|-----------------------|
| (1) Accounting period | (2) Money measurement |
| (3) Going concern     | (4) Cost              |

111. A commercial bank provides

- |                        |                           |
|------------------------|---------------------------|
| (1) Short term finance | (2) Interest free finance |
| (3) Monthly finance    | (4) Annual finance        |

112. The accounting transactions are generally made on the basis of invoices, vouchers and receipts. State the concept which is applicable here

- |             |                                   |
|-------------|-----------------------------------|
| (1) Entity  | (2) Revenue realisation           |
| (3) Accrual | (4) Verifiable objective evidence |

113. The monthly or weekly total of the purchases book is posted to

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| (1) Debit of sales account         | (2) Cash account in the ledger      |
| (3) Debit of the purchases account | (4) Credit of the purchases account |

114. The preparation of a trial balance helps in

- |   |                                  |
|---|----------------------------------|
| (1) Locating errors of complex omission | (2) Locating errors of principle |
| (3) Locating errors of commision        | (4) Locating totaling errors     |

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115. Recording of transactions in the journal is called
- |             |                  |
|-------------|------------------|
| (1) Posting | (2) Tallying     |
| (3) Costing | (4) Journalizing |
116. The condition is characterized by deposits of fatty plaques on the inner walls of arteries:
- |                        |                |
|------------------------|----------------|
| (1) Multiple Sclerosis | (2) Depression |
| (3) Atherosclerosis    | (4) Goitre     |
117. Narcotic cough suppressant used to relieve cough
- |                |                     |
|----------------|---------------------|
| (1) Codeine    | (2) Benzonate       |
| (3) Astemizole | (4) Diphenhydramine |
118. It is a megaloblastic anaemia caused by Vitamin B<sub>12</sub> deficiency specifically due to decreased or absent intrinsic factor secretion
- |                        |                         |
|------------------------|-------------------------|
| (1) Microcytic anaemia | (2) Pernicious anaemia  |
| (3) Aplastic anaemia   | (4) Sickle cell anaemia |
119. Which of the following is the most commonly used herbal product that may help to lower serum cholesterol?
- |               |            |
|---------------|------------|
| (1) Ginseng   | (2) Garlic |
| (3) Echinacea | (4) Ginger |
120. Osteoporosis is a disease at a greater risk in people:
- |   |
|---|
| (1) Women after menopause                             |
| (2) People with deficiency of iron and B complex      |
| (3) People on corticosteroid therapy for a short time |
| (4) Old age   |
121. Which of the following drugs are absolutely contraindicated in pregnancy?
- |                |                |
|----------------|----------------|
| (1) Category A | (2) Category B |
| (3) Category C | (4) Category X |

122. As per Controlled substance act, any chemical that is used in manufacturing a controlled substance is referred to as:
- |                  |                     |
|------------------|---------------------|
| (1) API          | (2) Listed chemical |
| (3) Generic drug | (4) Narcotic drug   |
123. Tinea pedis is commonly known as
- |           |                    |
|-----------|--------------------|
| (1) Corns | (2) Calluses       |
| (3) Warts | (4) Athlete's foot |
124. The expiration date on the drug product is 3/08. What's the precise expiration date of the drug?
- |                    |                    |
|--------------------|--------------------|
| (1) March 31, 2008 | (2) March 1, 2008  |
| (3) March 15, 2008 | (4) March 30, 2008 |
125. An orphan drug is one that has;
- |                             |  |
|-----------------------------|--|
| (1) low therapeutic index   | (2) special economic incentives for the manufacturer |
| (3) drug with high toxicity | (4) imported drug from foreign                       |
126. Choose the hospital classified based on the cost.
- |                     |                    |
|---------------------|--------------------|
| (1) Budget hospital | (2) Small hospital |
| (3) Medium hospital | (4) Large          |
127. Blood clotting can be prevented by
- |                     |                        |
|---------------------|------------------------|
| (1) Sodium chloride | (2) Potassium chloride |
| (3) Sodium citrate  | (4) Lithium chloride   |
128. The secretary of PTC is
- |                       |               |
|-----------------------|---------------|
| (1) Chief Pharmacist  | (2) Physician |
| (3) Junior Pharmacist | (4) Surgeon   |



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129. Minimum age prescribed for registration as a Pharmacist in India  
(1) 16 yrs                      (2) 18 yrs                      (3) 20 yrs                      (4) 21 yrs
130. 100 bedded hospitals should have at least  
(1) 4 Pharmacists                      (2) 3 Pharmacists  
(3) 2 Pharmacists                      (4) 5 Pharmacists
131. Pharmacognosy is an outgrowth of  
(1) Atharvaveda                      (2) Materia medica  
(3) Pharmacopoeia                      (4) Charak samhita
132. Cardamom is an example for  
(1) Hardening agent                      (2) Acidulent  
(3) Coloring agent                      (4) Flavouring agent
133. The example for a pharmaceutical aid is  
(1) Pectin                      (2) Dioscorea                      (3) Datura                      (4) Digitalis
134. The classification of crude drugs, wherein, equal importance is given to their taxonomy and biogenesis is  
(1) Chemical classification                      (2) Taxonomical classification  
(3) Chemotaxonomical classification                      (4) Pharmacological classification
135. Stoma surrounded by varying number of subsidiary cells resembling other epidermal cells is present in  
(1) Senna                      (2) Digitalis                      (3) Datura                      (4) Peppermint
136. The method of bark collection wherein which the plant is allowed to grow for a definite period and then cut off at specific distance from the soil is  
(1) Felling                      (2) Uprooting  
(3) Pruning                      (4) Coppicing

Booklet Code : **C**

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144. Isabgol husk preparation factory is located in

- |                    |                |
|--------------------|----------------|
| (1) Gujarat        | (2) Rajasthan  |
| (3) Andhra Pradesh | (4) Tamil Nadu |

145. Arjuna is used as

- |               |                 |                  |                |
|---------------|-----------------|------------------|----------------|
| (1) Purgative | (2) Cardiotonic | (3) Antidiabetic | (4) Antitumour |
|---------------|-----------------|------------------|----------------|

146. Shogaol is an important constituent of

- |             |          |            |                |
|-------------|----------|------------|----------------|
| (1) Linseed | (2) Aloe | (3) Ginger | (4) Eucalyptus |
|-------------|----------|------------|----------------|

147. The drug which is used in the prophylaxis of malaria is

- |              |            |           |              |
|--------------|------------|-----------|--------------|
| (1) Cinnamon | (2) Castor | (3) Clove | (4) Cinchona |
|--------------|------------|-----------|--------------|

148. The drugs which have stimulant effects on the motility of the uterus are known as

- |               |               |                  |               |
|---------------|---------------|------------------|---------------|
| (1) Oxytocics | (2) Diuretics | (3) Carminatives | (4) Laxatives |
|---------------|---------------|------------------|---------------|

149. Cupera bark is the adulterant of

- |              |              |            |             |
|--------------|--------------|------------|-------------|
| (1) Cinnamon | (2) Cinchona | (3) Kurchi | (4) Cascara |
|--------------|--------------|------------|-------------|

150. The drug which is used as an antiseptic is

- |             |           |               |            |
|-------------|-----------|---------------|------------|
| (1) Benzoin | (2) Ergot | (3) Digitalis | (4) Vasaka |
|-------------|-----------|---------------|------------|

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## PHARMACOLOGY

151. Active transport of Acetylcholine into synaptic vesicles is blocked by  
(1) Hemicholinium (2) Botulinus toxin  
(3) Vesamicol (4) Black Widow spider toxin
152. Clinically H<sub>2</sub> Anti histaminics are used for  
(1) Allergic conditions (2) Inhibition of gastric secretion  
(3) Improving learning (4) Inflammatory condition
153. Hydantions are clinically used as  
(1) Anticonvulsants (2) Analgesics  
(3) Antipyretics (4) Antileprotics
154. A sulfonamide derivative acts by inhibition of T - type Ca<sup>2+</sup> currents  
(1) Flebamate (2) Zonasamide  
(3) Topiramate (4) Ethosuximide
155. Antigout agent with uricosuric action is  
(1) Allopurinol (2) Colchicine  
(3) Acetaminophen (4) Probenecid
156. Azapirones are used in management of  
(1) Convulsions (2) Anxiety  
(3) Depression (4) Psychosis
157. Agonist for GABA is  
(1) Muscimol (2) Bicuculline  
(3) Picrotoxin (4) Strychine

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158. NSAID which is a pyrrolo-pyrrole derivative is  
(1) Aspirin (2) Keterolac  
(3) Phenylbutazone (4) Ibuprofen
159. Nalidixic acid is used in  
(1) Enteric fever (2) Malaria  
(3) Urinary tract infections (4) Bacillary
160. Hypoglycemic agent acts by the inhibition of  $\alpha$  glucosidase inhibition  
(1) Pioglitazone (2) Metformin  
(3) Acorbose (4) Neteğlinide
161. Lipid lowering drug which acts by the inhibition of HMG-CO A Reductase inhibitors  
(1) Bezafibrate (2) Simvastatin  
(3) Ezetimibe (4) Nicotinic acid
162. Local anesthetic used in the management of arrhythmia is  
(1) Procaine (2) Benzocaine  
(3) Lidocaine (4) Ketamine
163. Ketoconazole acts by the inhibition of  
(1) 1,3 $\beta$  glucan  
(2) formation of pores on cell wall  
(3) by conversion in to 5 flourouracil  
(4) 14  $\alpha$  lanosterol
164. Antitubercular agent acts by inhibition of DNA dependant RNA synthesis acts by  
(1) Pyrazinamide (2) Rifampicin  
(3) Isoniazid (4) Ethambutol

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165. Cisapride belongs to the class of

- |                                  |                                   |
|----------------------------------|-----------------------------------|
| (1) 5-HT <sub>3</sub> antagonist | (2) H <sub>1</sub> antihistamines |
| (3) Neuroleptic                  | (4) Prokinetic                    |

166. Anticancer agent acts by the inhibition of topoisomerase is

- |                 |                  |
|-----------------|------------------|
| (1) Doxorubicin | (2) Methotrexate |
| (3) Busulfan    | (4) Etoposide    |

167. Nonbenzodiazepine hypnotic is

- |                |               |
|----------------|---------------|
| (1) Thipentone | (2) Diazepam  |
| (3) Zolpidem   | (4) Triazolam |

168. The drug targeted against IgE used in the treatment of asthma

- |                 |                 |
|-----------------|-----------------|
| (1) Zileuton    | (2) Zafirlukast |
| (3) Montelukast | (4) Omalizumab  |

169. Mainserine is a

- |                     |                   |
|---------------------|-------------------|
| (1) Anticonvulsants | (2) Analgesics    |
| (3) Antidepressant  | (4) Antipsychotic |

170. Adverse effect associated with MPTP 1-Methyl-4-Phenyl 1-2-3-6 tetrahydropyridine

- (1) Birth defects
- (2) Rhabdomyolysis
- (3) Increased tendency of suicide
- (4) Parkinsonism

171. Antidote for barbiturates poisoning

- |                |                |
|----------------|----------------|
| (1) Bemegride  | (2) Flumazenil |
| (3) Fomepizole | (4) Naltrexone |

172. H.Pylori involved in the pathogenesis of  
(1) Asthma (2) Peptic ulcer  
(3) Rheumatoid arthritis (4) Hepatitis
173. Gingival hyperplasia is the adverse effect of  
(1) Phenytoin (2) Sodium valproate  
(3) Carbamazepine (4) Acetaminiphen
174.  $\alpha_2$  agonist used in management of hypertension is  
(1) Prazocin (2) Candesertan  
(3) Enalapril (4) Clonidine
175. Dots is programme initiated RNTPC for treatment of  
(1) Leprosy (2) Tuberculosis  
(3) AIDS (4) Malaria
176. First drug information centre was established in the year  
(1) 1962 (2) 1968 (3) 1956 (4) 1944
177. Cold temperature means  
(1) 2-8°C (2) 8-14°C  
(3) 15-18°C (4) 19-24°C
178. Who is the secretary of PTC (Pharmacy Therapeutics Committee)?  
(1) Pharmacist (2) Nurse  
(3) Administrator (4) Physician
179. An ideal wound dressing is one that reduce the risk of  
(1) Healing (2) Pain  
(3) Clotting (4) Infection

180. Complete floor stock system is example of
- (1) Out patient service system
  - (2) In patient service system
  - (3) Emergency service system
  - (4) Non-emergency service system
181. Site of degradation of unneeded damaged or faulty proteins is
- (1) Mitochondria
  - (2) Ribosomes
  - (3) Lysosomes
  - (4) Proteasome
182. Which of the following protects and supports the body and its organs?
- (1) Epithelial tissue
  - (2) Connective tissue
  - (3) Muscular tissue
  - (4) Nervous tissue
183. Strongest of facial bones is
- (1) Zygomatic bone
  - (2) Mandible
  - (3) Maxillae
  - (4) Palatine bone
184. Interphalangeal joints are examples of
- (1) Planar joints
  - (2) Pivot joints
  - (3) Hinge joints
  - (4) Saddle joints
185. Factor XII is
- (1) Stuart factor
  - (2) Stable factor
  - (3) Christmas factor
  - (4) Hageman factor
186. Inadequate intake of  $B_{12}$  or folic acid causes
- (1) Megaloblastic anemia
  - (2) Pernicious anemia
  - (3) Aplastic anemia
  - (4) Thalassemia



187. Plasma protein produced by liver plays a role in immune system  
(1) albumin                      (2) Globulin                      (3) Fibrinogen                      (4) Bilirubin
188. The space in the middle of the thoracic cavity where the heart resides is the:  
(1) pericardial cavity                      (2) pericardium  
(3) pleural cavity                      (4) mediastinum
189. SLUDD responses due to  
(1) Parasympathetic system                      (2) Somatic Nervous system  
(3) Central Nervous system                      (4) Sympathetic system
190. The tube that carries the sperms out of the testes is the  
(1) Vasa efferentia                      (2) Vas deferens  
(3) Oviduct                      (4) Epididymis
191. The hormone secreted by the pituitary to start the ovulation process is  
(1) FSH                      (2) Progesterone  
(3) Oestrogen                      (4) Luteinizing hormone
192. The following is an example of regulatory protein  
(1) Actin                      (2) Troponin  
(3) Nebulin                      (4) Myomesin
193. The gall bladder functions to  
(1) store bile                      (2) digest fats  
(3) store urine                      (4) release sodium bicarbonate
194. The very small functional units of the lung  
(1) Pleurae                      (2) Caveolae  
(3) Bronchioles                      (4) Alveoli

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195. The site of production of cholecystokinin is  
(1) The stomach (2) The small intestine  
(3) The pancreas (4) The large intestine
196. That part of the pharynx above the level of the soft palate is called  
(1) Nasopharynx (2) Oropharynx  
(3) Eustachian tube (4) Palatopharynx
197. A function of the liver is to  
(1) Break down blood cells.  
(2) Secrete enzymes into the small intestine.  
(3) Produce glucagon.  
(4) Regulate sodium & potassium levels.
198. The total number of vertebrae during early development is  
(1) 26 (2) 31 (3) 33 (4) 29
199. The functional unit of the kidney is  
(1) Renal pyramid (2) Nephron  
(3) Renal cortex (4) Renal medulla
200. Insulin and glucagon are produced in the  
(1) Hypothalamus (2) Anterior pituitary  
(3) Liver (4) Pancreas