

Used for Jambhaya

10041

(Total No. of printed pages : 14)

Sr. No.

(NOT TO BE OPENED BEFORE TIME OR TILL ASKED TO DO SO)



CPG-EE-2017

(PHARMACEUTICAL SCIENCES) SET-'C'

Time : 1¹/₂ Hours

Total Questions : 100

Max. Marks : 100

Roll No. (in figure) (in words)

Name : Date of Birth :

Father's Name : Mother's Name :

Date of Examination

(Signature of the Candidate)

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CANDIDATES MUST READ THE FOLLOWING INFORMATION/ INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

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1. Which of the following alkaloids are found as salts of meconic acid ?
 - (1) Ergot alkaloids
 - (2) Rauwolfia alkaloids
 - (3) Tropane alkaloids
 - (4) Opium alkaloids

2. Indian belladonna is :
 - (1) *Atropa belladonna*
 - (2) *Atropa belladonna* var *acuminata*
 - (3) *Atropa fastosa*
 - (4) *Atropa succirubra*

3. Umbelliferous fruits are :
 - (1) Schizocarp
 - (2) Pericarp
 - (3) Endocarp
 - (4) Mesocarp

4. Cascara bark to be used as drug is collected one year before use because :
 - (1) Fresh bark contains anthranol derivatives which have emetic and griping action
 - (2) Storing for one year oxidizes anthranol to less irritant anthraquinone derivatives
 - (3) Both (1) and (2)
 - (4) None of the above

5. Bavchi consists of dried ripe fruits of :
 - (1) *Prunus amygdalus*
 - (2) *Ammi visnaga*
 - (3) *Psoralea corylifolia*
 - (4) *Picrorhiza kurroa*

6. For isolation of protoplasts from bacterial cell following enzyme is used :
 - (1) Pectinase
 - (2) Chitinase
 - (3) Cellulase
 - (4) Lysozyme

7. Tropane alkaloids are biosynthesized from :
 - (1) Ornithine
 - (2) Tryptophan
 - (3) Tyrosine
 - (4) Phenylalanine

8. Which of the following ring system is present in bioflavanoids ?
 - (1) Anthraquinone
 - (2) Steroidal
 - (3) Indole
 - (4) Phenylchromane

9. Isothiocyanate glycosides are :
- (1) also known as glucosinolates
 - (2) S- glycosides
 - (3) found only in dicot plants
 - (4) All of the above
10. Tropane ring is composed of :
- (1) Imidazole and pyridine ring
 - (2) Pyrrolidine and piperidine ring
 - (3) Pyrolidine and piperazine ring
 - (4) Imidazole and indole ring
11. Ephedra consists of of *Ephedra sinica*.
- (1) dried latex
 - (2) dried aerial parts
 - (3) dried roots
 - (4) dried leaves
12. Indian colchicum is :
- (1) *Colchicum autumnale*
 - (2) *Colchicum album*
 - (3) *Colchicum luteum*
 - (4) *Colchicum secundum*
13. Coumarin present in cassia oil, when treated with alkali shows a :
- (1) Red fluorescence
 - (2) Deep blue fluorescence
 - (3) Green-blue fluorescence
 - (4) Green fluorescence
14. Physiological "ash" represents :
- (1) Water soluble material
 - (2) Material derived from the plant itself
 - (3) Sand and siliceous earth
 - (4) All of the above
15. The amount of alkaloids present in Rauwolfia ranges between :
- (1) 0.5-1.5%
 - (2) 0.5-2%
 - (3) 0.7-2.4%
 - (4) 0.7-3.5%
16. Ergot is produced during :
- (1) Honeydew stage
 - (2) Sclerotium stage
 - (3) Ascospore
 - (4) Sphaecelia stage

17. Ergotoxine is a mixture of :
- (1) 2 alkaloids
 - (2) 3 alkaloids
 - (3) 4 alkaloids
 - (4) 6 alkaloids
18. Opium belongs to the chemical class of :
- (1) Indole alkaloids
 - (2) Quinoline alkaloids
 - (3) Isoquinoline alkaloids
 - (4) Tropane alkaloids
19. is used as cryoprotectant in cryopreserved tissue culture.
- (1) Auxin
 - (2) Vitamin - B₆
 - (3) Liquid nitrogen
 - (4) DMSO
20. Schizolysigenous oil glands are present in :
- (1) Petal
 - (2) Style
 - (3) Hypanthium
 - (4) Crown
21. The ginsenosides have been described and designated according to their :
- (1) Activity
 - (2) Ash value
 - (3) Rf value
 - (4) Uses
22. Clove oil is used for temporary filling of dental cavities, along with :
- (1) Zinc oxide
 - (2) Potassium hydroxide
 - (3) Potassium iodide
 - (4) Sodium chloride
23. Ginseng belongs to the chemical class of :
- (1) Alkaloids
 - (2) Glycosides
 - (3) Saponins
 - (4) Volatile oils
24. All of the following contains indole moiety except :
- (1) Strychnine
 - (2) Reserpine
 - (3) Physostigmine
 - (4) Atropine

25. C-24 glycosides shows the following test :
- (1) Baljet test
 - (2) Legal test
 - (3) Liberman's sterol test
 - (4) All of the above
26. Buspirone is mainly used as :
- (1) Antianxiety
 - (2) Antipsychotic
 - (3) Antidepressant
 - (4) Antimanic
27. Dissociative anaesthesia is seen with :
- (1) Halothane
 - (2) Ketamine
 - (3) Chloroform
 - (4) Nitrous oxide
28. Blood glucose levels in diabetes may be lowered by :
- (1) Codeine administration
 - (2) Insulin administration
 - (3) Subcutaneous injection of adrenaline
 - (4) All of the above
29. Drug of choice in status epilepticus in children is :
- (1) Diazepam
 - (2) Phenobarbitone
 - (3) Carbamazepine
 - (4) Phenytoin
30. The only contraindication of pentaerythritol tetranitrate is :
- (1) Acute MI
 - (2) Hyperthyroidism
 - (3) Angina pectoris
 - (4) Epilepsy
31. Dopamine is :
- (1) α and β antagonist
 - (2) α and β agonist
 - (3) α - agonist
 - (4) β -agonist
32. Which of the following is most likely to cause tinnitus in high doses ?
- (1) Ibuprofen
 - (2) Mefenamic acid
 - (3) Aspirin
 - (4) Indomethacin

- 33.** Ketorolac trimethamine is useful as :
- (1) A bronchodilator
 - (2) An hypertensive
 - (3) Non-narcotic non-steroidal analgesic
 - (4) Narcotic analgesic
- 34.** Meperidine is popularly known as :
- (1) Morphine
 - (2) Pentazocine
 - (3) Pethidine
 - (4) Emetine
- 35.** Bromocriptine is not used in :
- (1) Shock
 - (2) Suppression of lactation
 - (3) Parkinsonism
 - (4) Prolactinourea
- 36.** Which drug should not be given along with levodopa ?
- (1) Carbidopa
 - (2) MAO inhibitors
 - (3) Atropine
 - (4) Benserazide
- 37.** Which of the following is anorectic agent ?
- (1) Dobutamine
 - (2) Methoxamine
 - (3) Fenfluramine
 - (4) Mephenteramine
- 38.** 6 - Mercaptopurine potentiates action of :
- (1) Cyclophosphamide
 - (2) Allopurinol
 - (3) Methotrexate
 - (4) 5-FU
- 39.** Which cytotoxic drug inhibits cellular division in mitosis (i.e. metaphase arrest) :
- (1) Vincristine
 - (2) 5-FU
 - (3) Methotrexate
 - (4) Cyclophosphamide
- 40.** Drugs that may cause megaloblastic anaemia include each of the following except :
- (1) Methotrexate
 - (2) Thiabendazole
 - (3) Phenytoin
 - (4) Cytarabine

41. Anticancer drug which crosses the blood brain barrier :
- (1) Cisplatin
 - (2) Vincristine
 - (3) Vinblastine
 - (4) Nitrosoureas
42. Mode of action of actinomycin D is to prevent :
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 - (3) Omeprazole
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44. Which of the following purgative is an anionic detergent ?
- (1) Phenolphthalein
 - (2) Liquid paraffin
 - (3) Bisacodyl
 - (4) Dioctyl sulfosuccinate
45. Local anesthetic of choice for anaesthetizing gastric mucosa is :
- (1) Oxethazaine
 - (2) Lidocaine
 - (3) Dibucaine
 - (4) Butamben
46. Which of the following autacoids is implicated in migraine :
- (1) Histamine
 - (2) 5-HT
 - (3) Angiotensin
 - (4) Leukotrienes
47. Prostaglandin, which has anti-aggregatory action on platelets :
- (1) PGG₂
 - (2) PGI₂
 - (3) PGH₂
 - (4) PGF₂
48. Antihistaminic agent which is ineffective orally :
- (1) Sodium chromoglycate
 - (2) Salbutamol
 - (3) Theophylline
 - (4) Orciprenaline

49. All of the following are adverse effects of aminoglycoside antibiotics except :

- (1) Neuromuscular blockade
- (2) Hematuria
- (3) Dermatitis
- (4) Anaemia

50. Antiviral activity of zidovudine is due to :

- (1) Inhibition of viral RNA polymerase
- (2) Inhibition of viral protein synthesis
- (3) Inhibition of viral dependent DNA polymerase
- (4) All of the above

51. p-nitro benzoic acid is the convenient starting material for the synthesis of :

- (1) Procaine
- (2) Xylocaine
- (3) Piperacaine
- (4) Etidocaine

52. The IUPAC name of bupivacaine, a local anaesthetic is :

- (1) butyl-N-(2,6 diethyl phenyl)-2-pyridine carboxamide
- (2) 1-butyl-N-(2,6 dimethyl phenyl)-2-piperidine carboxamide
- (3) butyl-N-(2,6 dimethyl benzyl)-2-piperidine carboxamide
- (4) butyl-N-(2,6 dimethyl benzyl)-2-pyridine carboxamide

53. Methylation of nitrogen at position number 1 in barbituric acid lipid solubility and duration of action :

- (1) Increases, shortens
- (2) Increases, increases
- (3) Shortens, shortens
- (4) Shortens, increases

54. Morphine and Heroin differ from each other in respect of :

- (1) Methyl group on nitrogen
- (2) Acetyl group at C₁ and C₆
- (3) Absence of double bond between C₄ and C₆
- (4) Absence of D-ring

55. 4[4-(4-chlorophenyl)-4-hydroxy piperidino]4'fluoro butyrophenone is the IUPAC name of :
- (1) Diloxanide
 - (2) Haloperidol
 - (3) Molindone
 - (4) Droperidol
56. Oxazepam, a psychoneurotic has lower chances of side effects and reduced toxicity due to :
- (1) Aromatic hydroxylation
 - (2) Ring oxidation
 - (3) Conjugation of 3-OH group
 - (4) N-demethylation
57. Saturation of 4,5 double bond in 1,4 benzodiazepine result in compound with :
- (1) Reduced activity
 - (2) Potent activity
 - (3) Intermediate activity
 - (4) No activity
58. Carbachol is an ester of amino formic acid and it is prepared by direct combination of 2-chloro ethyl carbamate with :
- (1) Triethylamine
 - (2) Diethylamine
 - (3) Methylamine
 - (4) Aniline
59. Condensation of N-m-hydroxy phenyl-N-p-tolyl glycine with ethylene diamine gives :
- (1) Tolazoline
 - (2) Phentolamine
 - (3) Prazocin
 - (4) Phenoxy benzamine
60. Primaquine, an anti-malarial drug is synthesized starting from :
- (1) Phenol
 - (2) Anisole
 - (3) Hexamine
 - (4) Pentamine
61. The near ultraviolet region ranges from :
- (1) 100 – 300 m μ
 - (2) 100 – 400 m μ
 - (3) 200 – 400 m μ
 - (4) 200 – 350 m μ
62. Electronic transitions in organic molecules involve :
- (1) Transition of σ electrons
 - (2) Transition of n electrons
 - (3) Transition of π electrons
 - (4) All of the above

63. The commonly used detector in UV spectrophotometer is :
- (1) Photomultiplier tube
 - (2) Thermocouple
 - (3) Bolometer
 - (4) Littrow prism
64. The IR radiation source, Globar is chemically :
- (1) Silicon carbide
 - (2) Silicon disulphide
 - (3) Zirconium oxide
 - (4) None of the above
65. O-H stretching vibrations in alcohols and phenols ranges from :
- (1) $3550 - 3450 \text{ cm}^{-1}$
 - (2) $3400 - 3200 \text{ cm}^{-1}$
 - (3) $3650 - 3590 \text{ cm}^{-1}$
 - (4) $3570 - 3450 \text{ cm}^{-1}$
66. The largest peak in the mass spectrum is known as :
- (1) Metastable peak
 - (2) Rearrangement peak
 - (3) Base peak
 - (4) Molecular ion peak
67. The reference electrode in potentiometric titrations is :
- (1) Noble metal electrode
 - (2) Dropping mercury electrode
 - (3) Saturated calomel electrode
 - (4) Platinum electrodes
68. The pressure used in HPLC is :
- (1) 1000 - 3000 psi
 - (2) 1000 - 5000 psi
 - (3) 1000 - 6000 psi
 - (4) 2000 - 6000 psi
69. The commonly used binder in TLC is :
- (1) Calcium carbonate
 - (2) Calcium bisulphate
 - (3) Calcium sulphate
 - (4) Calcium hydroxide
70. The inert gas used in gas chromatography is :
- (1) Hydrogen
 - (2) CO_2/O_2
 - (3) Nitrogen/helium
 - (4) Sulphur

- 71.** Nucleosides are the combination of :
- (1) Nitrogenous base + pentose + phosphate
 - (2) Non- nitrogenous base + pentose
 - (3) Nitrogenous base + phosphate
 - (4) Nitrogenous base + pentose
- 72.** Fasting blood glucose level in prediabetic individuals is mg/100ml :
- (1) 80 - 120
 - (2) 105 - 110
 - (3) 115 - 125
 - (4) 150 - 160
- 73.** One ATP = K Cal/ mole.
- (1) 9
 - (2) 6.6
 - (3) 7.6
 - (4) 8.9
- 74.** Fehling's solution B contains :
- (1) KOH + potassium tartrate
 - (2) Na_2CO_3 + Rochelle salt
 - (3) KOH + Rochelle salt
 - (4) NaHCO_3 + Sodium tartrate
- 75.** Pernicious anaemia is caused by :
- (1) Inadequate intake of vitamin B_1
 - (2) Deficiency of ascorbic acid
 - (3) Absence of intrinsic factor of gastric juice
 - (4) Over production of extrinsic factor
- 76.** Wood's apparatus is mainly used in :
- (1) Particle size determination
 - (2) Partition coefficient determination
 - (3) pH determination
 - (4) solubility determination
- 77.** The melting point of given substance can be determined by :
- (1) Capillary melting
 - (2) Hot stage microscopy
 - (3) DSC
 - (4) All of the above
- 78.** Carr's index (%) is used to determine :
- (1) Powder flow
 - (2) Particle size
 - (3) Elasticity
 - (4) Polymorphism

79. Oral tablets containing substance must be dissolved in water before administration to void gastric irritation :

- (1) Starch
- (2) Sodium chloride
- (3) Stearic acid
- (4) Sodium lauryl sulphate

80. Capping of tablets can be eliminated by :

- (1) Pre-compression
- (2) Reducing the final compression rate
- (3) Using flat punches
- (4) All of the above

81. Lozenges are also known as :

- (1) Pastilles
- (2) Troches
- (3) Buccal tablets
- (4) Pessaries

82. Emulsions made with Tweens are usually :

- (1) Unstable
- (2) W/O
- (3) O/W
- (4) Clear

83. A liquid whose viscosity is increased when stress is applied is classed as which of the following materials ?

- (1) Dilatants
- (2) Newtonian
- (3) Plastic
- (4) Pseudoplastic

84. Lanolin is :

- (1) Anhydrous wool fat
- (2) Hydrated wool fat
- (3) Lanolin
- (4) Atlas G-1794

85. The particle size of the dispersed solid as a suspension is greater than :

- (1) 0.1 mm
- (2) 0.5 mm
- (3) 0.2 mm
- (4) 0.4 mm

86. According to USP standard, the fine particles should pass through :

- (1) No. 20 sieve
- (2) No. 40 sieve
- (3) No. 80 sieve
- (4) No. 120 sieve

87. Plastics are normally sterilized

- (1) Steam under pressure
- (2) Steam under vacuum
- (3) Ethylene oxide
- (4) Dry heat sterilization

88. Contact angle is related to :

- (1) Disintegration of tablet
- (2) Moisture content of tablet
- (3) Coefficient of friction of powder
- (4) Spreadability of ointment

89. pH is equivalent to pKa at :

- (1) Neutralization point
- (2) pH of 1
- (3) pH of 7
- (4) Half neutralization point

90. Amorphous forms of drugs are :

- (1) Usually less soluble than crystal forms
- (2) Usually more soluble than crystal forms
- (3) Practically insoluble
- (4) Have same solubility as that of crystal forms

91. Monophasic liquid dosage forms

- include :
- (1) Solutions
 - (2) Aromatic waters
 - (3) Tinctures
 - (4) All of the above

92. pH of human tear is :

- (1) 7.2
- (2) 7.6
- (3) 8.0
- (4) 4.6

93. The different types of water as specified by I.P. are :

- (1) Purified water and W.F.I
- (2) W.F.I and distilled water
- (3) Purified water, W.F.I and sterile water for injection
- (4) Both (1) and (2)

94. The different methods used for pyrogen testing is :

- (1) Rabbit test
- (2) LAL test
- (3) Both (1) and (2)
- (4) None of the above

95. Non-ionic surfactant vesicles relates to :
- (1) Liposomes
 - (2) Niosomes
 - (3) Nanoparticles
 - (4) Both (1) and (2)
96. In Gram's staining technique, the Gram +ve cells appear :
- (1) Blue
 - (2) Green
 - (3) Red
 - (4) Violet
97. Tyndalisation is :
- (1) 80°C for 20 min. on three successive days
 - (2) 100°C for 20 min. on three successive days
 - (3) 60°C for 20 min. on three successive days
 - (4) None of the above
98. The bacterial spores are destroyed by :
- (1) Dessication
 - (2) Phenol
 - (3) Boiling
 - (4) Autoclaving
99. Killed bacterial vaccine is :
- (1) BCG
 - (2) Diphtheria
 - (3) Pertusis
 - (4) Tetanus
100. For dry heat sterilization holding time is :
- (1) 160°C for 1 hour
 - (2) 140°C for 3 hours
 - (3) 150°C for 1/2 hour
 - (4) 160°C for 2 hours

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 - (4) 4.6
23. The different types of water as specified by I.P. are :
- (1) Purified water and W.F.I
 - (2) W.F.I and distilled water
 - (3) Purified water, W.F.I. and sterile water for injection
 - (4) Both (1) and (2)

- 24.** The different methods used for pyrogen testing is :
- (1) Rabbit test
 - (2) LAL test
 - (3) Both (1) and (2)
 - (4) None of the above
- 25.** Non-ionic surfactant vesicles relates to :
- (1) Liposomes
 - (2) Niosomes
 - (3) Nanoparticles
 - (4) Both (1) and (2)
- 26.** In Gram's staining technique, the Gram +ve cells appear :
- (1) Blue
 - (2) Green
 - (3) Red
 - (4) Violet
- 27.** Tyndalisation is :
- (1) 80°C for 20 min. on three successive days
 - (2) 100°C for 20 min. on three successive days
 - (3) 60°C for 20 min. on three successive days
 - (4) None of the above
- 28.** The bacterial spores are destroyed by :
- (1) Dessication
 - (2) Phenol
 - (3) Boiling
 - (4) Autoclaving
- 29.** Killed bacterial vaccine is :
- (1) BCG
 - (2) Diphtheria
 - (3) Pertusis
 - (4) Tetanus
- 30.** For dry heat sterilization holding time is :
- (1) 160°C for 1 hour
 - (2) 140°C for 3 hours
 - (3) 150°C for 1/2 hour
 - (4) 160°C for 2 hours
- 31.** Which of the following alkaloids are found as salts of meconic acid ?
- (1) Ergot alkaloids
 - (2) Rauwolfia alkaloids
 - (3) Tropane alkaloids
 - (4) Opium alkaloids

- 32.** Indian belladonna is :
- (1) *Atropa belladonna*
 - (2) *Atropa belladonna* var *acuminata*
 - (3) *Atropa fastusa*
 - (4) *Atropa succirubra*
- 33.** Umbelliferous fruits are :
- (1) Schizocarp
 - (2) Pericarp
 - (3) Endocarp
 - (4) Mesocarp
- 34.** Cascara bark to be used as drug is collected one year before use because :
- (1) Fresh bark contains anthranol derivatives which have emetic and griping action
 - (2) Storing for one year oxidizes anthranol to less irritant anthraquinone derivatives
 - (3) Both (1) and (2)
 - (4) None of the above
- 35.** Bavchi consists of dried ripe fruits of :
- (1) *Pruncus amygdalus*
 - (2) *Ammi visnaga*
 - (3) *Psoralea corylifolia*
 - (4) *Picrorhiza kurroa*
- 36.** For isolation of protoplasts from bacterial cell following enzyme is used :
- (1) Pectinase
 - (2) Chitinase
 - (3) Cellulase
 - (4) Lysozyme
- 37.** Tropane alkaloids are biosynthesized from :
- (1) Ornithine
 - (2) Tryptophan
 - (3) Tyrosine
 - (4) Phenylalanine
- 38.** Which of the following ring system is present in bioflavanoids ?
- (1) Anthraquinone
 - (2) Steroidal
 - (3) Indole
 - (4) Phenylchromane
- 39.** Isothiocyanate glycosides are :
- (1) also known as glucosinolates
 - (2) S- glycosides
 - (3) found only in dicot plants
 - (4) All of the above

40. Tropane ring is composed of :

- (1) Imidazole and pyridine ring
- (2) Pyrrolidine and piperidine ring
- (3) Pyrolidine and piperazine ring
- (4) Imidazole and indole ring

41. p-nitro benzoic acid is the convenient starting material for the synthesis of :

- (1) Procaine
- (2) Xylocaine
- (3) Piperacaine
- (4) Etidocaine

42. The IUPAC name of bupivacaine, a local anaesthetic is :

- (1) butyl-N-(2,6 diethyl phenyl)-2-pyridine carboxamide
- (2) 1-butyl-N-(2,6 dimethyl phenyl)-2-piperidine carboxamide
- (3) butyl-N-(2,6 dimethyl benzyl)-2-piperidine carboxamide
- (4) butyl-N-(2,6 dimethyl benzyl)-2-pyridine carboxamide

43. Methylation of nitrogen at position number 1 in barbituric acid lipid solubility and duration of action :

- (1) Increases, shortens
- (2) Increases, increases
- (3) Shorts, shortens
- (4) Shortens, increases

44. Morphine and Heroin differ from each other in respect of :

- (1) Methyl group on nitrogen
- (2) Acetyl group at C₁ and C₆
- (3) Absence of double bond between C₄ and C₆
- (4) Absence of D-ring

45. 4[4-(4-chlorophenyl)-4-hydroxy piperidino]4'fluoro butyrophenone is the IUPAC name of :

- (1) Diloxanide
- (2) Haloperidol
- (3) Molindone
- (4) Droperidol

46. Oxazepam, a psychoneurotic has lower chances of side effects and reduced toxicity due to :

- (1) Aromatic hydroxylation
- (2) Ring oxidation
- (3) Conjugation of 3-OH group
- (4) N-demethylation

47. Saturation of 4,5 double bond in 1,4 benzodiazepine result in compound with :
- (1) Reduced activity
 - (2) Potent activity
 - (3) Intermediate activity
 - (4) No activity
48. Carbachol is an ester of amino formic acid and it is prepared by direct combination of 2-chloro ethyl carbamate with :
- (1) Triethylamine
 - (2) Diethylamine
 - (3) Methylamine
 - (4) Aniline
49. Condensation of N-m-hydroxy phenyl-N-p-tolyl glycine with ethylene diamine gives :
- (1) Tolazoline
 - (2) Phentolamine
 - (3) Prazocin
 - (4) Phenoxy benzamine
50. Primaquine, an anti-malarial drug is synthesized starting from :
- (1) Phenol
 - (2) Anisole
 - (3) Hexamine
 - (4) Pentamine
51. The near ultraviolet region ranges from :
- (1) 100 – 300 m μ
 - (2) 100 – 400 m μ
 - (3) 200 – 400 m μ
 - (4) 200 – 350 m μ
52. Electronic transitions in organic molecules involve :
- (1) Transition of σ electrons
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53. The commonly used detector in UV spectrophotometer is :
- (1) Photomultiplier tube
 - (2) Thermocouple
 - (3) Bolometer
 - (4) Littrow prism
54. The IR radiation source, Globar is chemically :
- (1) Silicon carbide
 - (2) Silicon disulphide
 - (3) Zirconium oxide
 - (4) None of the above

55. O-H stretching vibrations in alcohols and phenols ranges from :
- (1) 3550 – 3450 cm^{-1}
 - (2) 3400 – 3200 cm^{-1}
 - (3) 3650 – 3590 cm^{-1}
 - (4) 3570 – 3450 cm^{-1}
56. The largest peak in the mass spectrum is known as :
- (1) Metastable peak
 - (2) Rearrangement peak
 - (3) Base peak
 - (4) Molecular ion peak
57. The reference electrode in potentiometric titrations is :
- (1) Noble metal electrode
 - (2) Dropping mercury electrode
 - (3) Saturated calomel electrode
 - (4) Platinum electrodes
58. The pressure used in HPLC is :
- (1) 1000 – 3000 psi
 - (2) 1000 – 5000 psi
 - (3) 1000 – 6000 psi
 - (4) 2000 – 6000 psi
59. The commonly used binder in TLC is :
- (1) Calcium carbonate
 - (2) Calcium bisulphate
 - (3) Calcium sulphate
 - (4) Calcium hydroxide
60. The inert gas used in gas chromatography is :
- (1) Hydrogen
 - (2) CO_2/O_2
 - (3) Nitrogen/helium
 - (4) Sulphur
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- (1) Activity
 - (2) Ash value
 - (3) Rf value
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- 70.** The only contraindication of pentaerythritol tetranitrate is :
- (1) Acute MI
 - (2) Hyperthyroidism
 - (3) Angina pectoris
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71. Ephedra consists of of *Ephedra sinica*.

- (1) dried latex
- (2) dried aerial parts
- (3) dried roots
- (4) dried leaves

72. Indian colchicum is :

- (1) *Colchicum autumnale*
- (2) *Colchicum album*
- (3) *Colchicum luteum*
- (4) *Colchicum secundum*

73. Coumarin present in cassia oil, when treated with alkali shows a :

- (1) Red fluorescence
- (2) Deep blue fluorescence
- (3) Green-blue fluorescence
- (4) Green fluorescence

74. Physiological "ash" represents :

- (1) Water soluble material
- (2) Material derived from the plant itself
- (3) Sand and siliceous earth
- (4) All of the above

75. The amount of alkaloids present in Rauwolfia ranges between :

- (1) 0.5-1.5%
- (2) 0.5-2%
- (3) 0.7-2.4%
- (4) 0.7-3.5%

76. Ergot is produced during :

- (1) Honeydew stage
- (2) Sclerotium stage
- (3) Ascospore
- (4) Sphaecelia stage

77. Ergotoxine is a mixture of :

- (1) 2 alkaloids
- (2) 3 alkaloids
- (3) 4 alkaloids
- (4) 6 alkaloids

78. Opium belongs to the chemical class of :

- (1) Indole alkaloids
- (2) Quinoline alkaloids
- (3) Isoquinoline alkaloids
- (4) Tropane alkaloids

79. is used as cryoprotectant in cryopreserved tissue culture.

- (1) Auxin
- (2) Vitamin - B₆
- (3) Liquid nitrogen
- (4) DMSO

80. Schizolysigenous oil glands are present in :

- (1) Petal
- (2) Style
- (3) Hypanthium
- (4) Crown

81. Lozenges are also known as :

- (1) Pastilles
- (2) Troches
- (3) Buccal tablets
- (4) Pessaries

82. Emulsions made with Tweens are usually :

- (1) Unstable
- (2) W/O
- (3) O/W
- (4) Clear

83. A liquid whose viscosity is increased when stress is applied is classed as which of the following materials ?

- (1) Dilatants
- (2) Newtonian
- (3) Plastic
- (4) Pseudoplastic

84. Lanolin is :

- (1) Anhydrous wool fat
- (2) Hydrous wool fat
- (3) Lantrol
- (4) Atlas G-1794

85. The particle size of the dispersed solid as a suspension is greater than :

- (1) 0.1 mm
- (2) 0.5 mm
- (3) 0.2 mm
- (4) 0.4 mm

86. According to USP standard, the fine particles should pass through :

- (1) No. 20 sieve
- (2) No. 40 sieve
- (3) No. 80 sieve
- (4) No. 120 sieve

87. Plastics are normally sterilized with :

- (1) Steam under pressure
- (2) Steam under vacuum
- (3) Ethylene oxide
- (4) Dry heat sterilization

88. Contact angle is related to :

- (1) Disintegration of tablet
- (2) Moisture content of tablet
- (3) Coefficient of friction of powder
- (4) Spreadability of ointment

89. pH is equivalent to pKa at :

- (1) Neutralization point
- (2) pH of 1
- (3) pH of 7
- (4) Half neutralization point

90. Amorphous forms of drugs are :

- (1) Usually less soluble than crystal forms
- (2) Usually more soluble than crystal forms
- (3) Practically insoluble
- (4) Have same solubility as that of crystal forms

91. Dopamine is :

- (1) α and β antagonist
- (2) α and β agonist
- (3) α - agonist
- (4) β -agonist

92. Which of the following is most likely to cause tinnitus in high doses ?

- (1) Ibuprofen
- (2) Mefenamic acid
- (3) Aspirin
- (4) Indomethacin

93. Ketorolac trimethamine is useful as :

- (1) A bronchodilator
- (2) An hypertensive
- (3) Non-narcotic non-steroidal analgesic
- (4) Narcotic analgesic

94. Meperidine is popularly known as :

- (1) Morphine
- (2) Pentazocine
- (3) Pethidine
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95. Bromocriptine is not used in :
- (1) Shock
 - (2) Suppression of lactation
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 - (4) Prolactinourea
96. Which drug should not be given along with levodopa ?
- (1) Carbidopa
 - (2) MAO inhibitors
 - (3) Atropine
 - (4) Benserazide
97. Which of the following is anorectic agent ?
- (1) Dobutamine
 - (2) Methoxamine
 - (3) Fenfluramine
 - (4) Mephenteramine
98. 6 - Mercaptopurine potentiates action of :
- (1) Cyclophosphamide
 - (2) Allopurinol
 - (3) Methotrexate
 - (4) 5-FU
99. Which cytotoxic drug inhibits cellular division in mitosis (i.e. metaphase arrest) :
- (1) Vincristine
 - (2) 5-FU
 - (3) Methotrexate
 - (4) Cyclophosphamide
100. Drugs that may cause megaloblastic anaemia include each of the following except :
- (1) Methotrexate
 - (2) Thiabendazole
 - (3) Phenytoin
 - (4) Cytarabine

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(Total No. of printed pages : 14)

Sr. No.10320...

(NOT TO BE OPENED BEFORE TIME OR TILL ASKED TO DO SO)

CPG-EE-2017



(PHARMACEUTICAL SCIENCES) SET-"C"

Time : 1½ Hours

Total Questions : 100

Max. Marks : 100

Roll No. (in figure) (in words)

Name : Date of Birth :

Father's Name : Mother's Name :

Date of Examination

(Signature of the Candidate)

(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/ INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

1. All questions are compulsory and carry equal marks. The candidates are required to attempt all questions.
2. The candidates must return the Question book-let as well as OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / misbehaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. In case there is any discrepancy in any question(s) in the Question Booklet, the same may be brought to the notice of the Controller of Examinations in writing **within two hours** after the test is over. No such complaint(s) will be entertained thereafter.
4. The candidate **MUST NOT** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question book-let itself. Answers **MUST NOT** be ticked in the Question book-let.
5. **Use only Black or Blue BALL POINT PEN of good quality in the OMR Answer-Sheet.**
6. **There will be Negative marking. Each correct answer will be awarded one full mark and each incorrect answer will be negatively marked for which the candidate will get 1/4 discredit. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.**
7. **BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD ENSURE THAT THEY HAVE BEEN SUPPLIED CORRECT AND COMPLETE BOOK-LET. COMPLAINTS, IF ANY, REGARDING MISPRINTING ETC. WILL NOT BE ENTERTAINED 30 MINUTES AFTER STARTING OF THE EXAMINATION.**

1. Monophasic liquid dosage forms include :
 - (1) Solutions
 - (2) Aromatic waters
 - (3) Tinctures
 - (4) All of the above
2. pH of human tear is :
 - (1) 7.2
 - (2) 7.6
 - (3) 8.0
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21. Nucleosides are the combination of :
- (1) Nitrogenous base + pentose + phosphate
 - (2) Non- nitrogenous base + pentose
 - (3) Nitrogenous base + phosphate
 - (4) Nitrogenous base + pentose
22. Fasting blood glucose level in prediabetic individuals is mg/100ml :
- (1) 80 - 120
 - (2) 105 - 110
 - (3) 115 - 125
 - (4) 150 - 160
23. One ATP = K Cal/ mole.
- (1) 9
 - (2) 6.6
 - (3) 7.6
 - (4) 8.9
24. Fehling's solution B contains :
- (1) KOH + potassium tartrate
 - (2) Na_2CO_3 + Rochelle salt
 - (3) KOH + Rochelle salt
 - (4) NaHCO_3 + Sodium tartrate

25. Pernicious anaemia is caused by :
- (1) Inadequate intake of vitamin B₁
 - (2) Deficiency of ascorbic acid
 - (3) Absence of intrinsic factor of gastric juice
 - (4) Over production of extrinsic factor
26. Wood's apparatus is mainly used in :
- (1) Particle size determination
 - (2) Partition coefficient determination
 - (3) pH determination
 - (4) solubility determination
27. The melting point of given substance can be determined by :
- (1) Capillary melting
 - (2) Hot stage microscopy
 - (3) DSC
 - (4) All of the above
28. Carr's index (%) is used to determine :
- (1) Powder flow
 - (2) Particle size
 - (3) Elasticity
 - (4) Polymorphism
29. Oral tablets containing substance must be dissolved in water before administration to void gastric irritation :
- (1) Starch
 - (2) Sodium chloride
 - (3) Stearic acid
 - (4) Sodium lauryl sulphate
30. Capping of tablets can be eliminated by :
- (1) Pre-compression
 - (2) Reducing the final compression rate
 - (3) Using flat punches
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 - (2) Dropping mercury electrode
 - (3) Saturated calomel electrode
 - (4) Platinum electrodes
48. The pressure used in HPLC is :
- (1) 1000 - 3000 psi
 - (2) 1000 - 5000 psi
 - (3) 1000 - 6000 psi
 - (4) 2000 - 6000 psi
49. The commonly used binder in TLC is :
- (1) Calcium carbonate
 - (2) Calcium bisulphate
 - (3) Calcium sulphate
 - (4) Calcium hydroxide

50. The inert gas used in gas chromatography is :
- (1) Hydrogen
 - (2) CO₂/O₂
 - (3) Nitrogen/helium
 - (4) Sulphur
51. Lozenges are also known as :
- (1) Pastilles
 - (2) Troches
 - (3) Buccal tablets
 - (4) Pessaries
52. Emulsions made with Tweens are usually :
- (1) Unstable
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 - (4) Clear
53. A liquid whose viscosity is increased when stress is applied is classed as which of the following materials ?
- (1) Dilatants
 - (2) Newtonian
 - (3) Plastic
 - (4) Pseudoplastic
54. Lanolin is :
- (1) Anhydrous wool fat
 - (2) Hydrous wool fat
 - (3) Lantrol
 - (4) Atlas G-1794
55. The particle size of the dispersed solid as a suspension is greater than :
- (1) 0.1 mm
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 - (3) 0.2 mm
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65. Local anesthetic of choice for anaesthetizing gastric mucosa is :
- (1) Oxethazaine
 - (2) Lidocaine
 - (3) Dibucaine
 - (4) Butamben

66. Which of the following autacoids is implicated in migraine :
- (1) Histamine
 - (2) 5-HT
 - (3) Angiotensin
 - (4) Leukotrienes
67. Prostaglandin, which has anti-aggregatory action on platelets :
- (1) PGG₂
 - (2) PGI₂
 - (3) PGH₂
 - (4) PGF₂
68. Antihistaminic agent which is ineffective orally :
- (1) Sodium chromoglycate
 - (2) Salbutamol
 - (3) Theophylline
 - (4) Orciprenaline
69. All of the following are adverse effects of aminoglycoside antibiotics except :
- (1) Neuromuscular blockade
 - (2) Hematuria
 - (3) Dermatitis
 - (4) Anaemia
70. Antiviral activity of zidovudine is due to :
- (1) Inhibition of viral RNA polymerase
 - (2) Inhibition of viral protein synthesis
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- (3) Pyrrolidine and piperazine ring
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- (1) dried latex
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- (3) dried roots
- (4) dried leaves

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- (4) DMSO

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Used for Jambonz

(Total No. of printed pages : 14)

Sr. No. **10083**

(NOT TO BE OPENED BEFORE TIME OR TILL ASKED TO DO SO)



CPG-EE-2017

(PHARMACEUTICAL SCIENCES) SET-'C'

Time : 1 1/2 Hours

Total Questions : 100

Max. Marks : 100

Roll No. (in figure) (in words)

Name : Date of Birth :

Father's Name : Mother's Name :

Date of Examination

(Signature of the Candidate)

(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/ INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

SE

1. All questions are compulsory and carry equal marks. The candidates are required to attempt all questions.
2. The candidates must return the Question book-let as well as OMR answer-sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfair-means / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
3. In case there is any discrepancy in any question(s) in the Question Booklet, the same may be brought to the notice of the Controller of Examinations in writing **within two hours** after the test is over. No such complaint(s) will be entertained thereafter.
4. The candidate **MUST NOT** do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question book-let itself. Answers **MUST NOT** be ticked in the Question book-let.
5. Use only **Black or Blue BALL POINT PEN** of good quality in the OMR Answer-Sheet.
6. There will be **Negative marking**. Each correct answer will be awarded one full mark and each incorrect answer will be negatively marked for which the candidate will get 1/4 discredit. **Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.**
7. BEFORE ANSWERING THE QUESTIONS, THE CANDIDATES SHOULD ENSURE THAT THEY HAVE BEEN SUPPLIED CORRECT AND COMPLETE BOOK-LET. COMPLAINTS, IF ANY, REGARDING MISPRINTING ETC. WILL NOT BE ENTERTAINED 30 MINUTES AFTER STARTING OF THE EXAMINATION.

1. The ginsenosides have been described and designated according to their :
 - (1) Activity
 - (2) Ash value
 - (3) Rf value
 - (4) Uses
2. Clove oil is used for temporary filling of dental cavities, along with :
 - (1) Zinc oxide
 - (2) Potassium hydroxide
 - (3) Potassium iodide
 - (4) Sodium chloride
3. Ginseng belongs to the chemical class of :
 - (1) Alkaloids
 - (2) Glycosides
 - (3) Saponins
 - (4) Volatile oils
4. All of the following contains indole moiety except :
 - (1) Strychnine
 - (2) Reserpine
 - (3) Physostigmine
 - (4) Atropine
5. C-24 glycosides shows the following test :
 - (1) Baljet test
 - (2) Legal test
 - (3) Liberman's sterol test
 - (4) All of the above
6. Buspirone is mainly used as :
 - (1) Antianxiety
 - (2) Antipsychotic
 - (3) Antidepressant
 - (4) Antimanic
7. Dissociative anaesthesia is seen with :
 - (1) Halothane
 - (2) Ketamine
 - (3) Chloroform
 - (4) Nitrous oxide
8. Blood glucose levels in diabetes may be lowered by :
 - (1) Codeine administration
 - (2) Insulin administration
 - (3) Subcutaneous injection of adrenaline
 - (4) All of the above

9. Drug of choice in status epilepticus in children is :
- (1) Diazepam
 - (2) Phenobarbitone
 - (3) Carbamazepine
 - (4) Phenytoin
10. The only contraindication of pentaerythritol tetranitrate is :
- (1) Acute MI
 - (2) Hyperthyroidism
 - (3) Angina pectoris
 - (4) Epilepsy
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- (1) Usually less soluble than crystal forms
 - (2) Usually more soluble than crystal forms
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31. Nucleosides are the combination of :
- (1) Nitrogenous base + pentose + phosphate
 - (2) Non- nitrogenous base + pentose
 - (3) Nitrogenous base + phosphate
 - (4) Nitrogenous base + pentose
32. Fasting blood glucose level in prediabetic individuals is mg/100ml :
- (1) 80 - 120
 - (2) 105 - 110
 - (3) 115 - 125
 - (4) 150 - 160

33. One ATP = K Cal/ mole.
- (1) 9
 - (2) 6.6
 - (3) 7.6
 - (4) 8.9
34. Fehling's solution B contains :
- (1) KOH + potassium tartrate
 - (2) Na₂CO₃ + Rochelle salt
 - (3) KOH + Rochelle salt
 - (4) NaHCO₃ + Sodium tartrate
35. Pernicious anaemia is caused by :
- (1) Inadequate intake of vitamin B₁
 - (2) Deficiency of ascorbic acid
 - (3) Absence of intrinsic factor of gastric juice
 - (4) Over production of extrinsic factor
36. Wood's apparatus is mainly used in :
- (1) Particle size determination
 - (2) Partition coefficient determination
 - (3) pH determination
 - (4) solubility determination
37. The melting point of given substance can be determined by :
- (1) Capillary melting
 - (2) Hot stage microscopy
 - (3) DSC
 - (4) All of the above
38. Carr's index (%) is used to determine :
- (1) Powder flow
 - (2) Particle size
 - (3) Elasticity
 - (4) Polymorphism
39. Oral tablets containing substance must be dissolved in water before administration to void gastric irritation :
- (1) Starch
 - (2) Sodium chloride
 - (3) Stearic acid
 - (4) Sodium lauryl sulphate
40. Capping of tablets can be eliminated by :
- (1) Pre-compression
 - (2) Reducing the final compression rate
 - (3) Using flat punches
 - (4) All of the above

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51. Dopamine is :
- (1) α and β antagonist
 - (2) α and β agonist
 - (3) α - agonist
 - (4) β -agonist
52. Which of the following is most likely to cause tinnitus in high doses ?
- (1) Ibuprofen
 - (2) Mefenamic acid
 - (3) Aspirin
 - (4) Indomethacin
53. Ketorolac trimethamine is useful as :
- (1) A bronchodilator
 - (2) An hypertensive
 - (3) Non-narcotic non-steroidal analgesic
 - (4) Narcotic analgesic
54. Meperidine is popularly known as :
- (1) Morphine
 - (2) Pentazocine
 - (3) Pethidine
 - (4) Emetine
55. Bromocriptine is not used in :
- (1) Shock
 - (2) Suppression of lactation
 - (3) Parkinsonism
 - (4) Prolactinourea
56. Which drug should not be given along with levodopa ?
- (1) Carbidopa
 - (2) MAO inhibitors
 - (3) Atropine
 - (4) Benserazide

57. Which of the following is anorectic agent ?
- (1) Dobutamine
 - (2) Methoxamine
 - (3) Fenfluramine
 - (4) Mephenteramine
58. 6 - Mercaptopurine potentiates action of :
- (1) Cyclophosphamide
 - (2) Allopurinol
 - (3) Methotrexate
 - (4) 5-FU
59. Which cytotoxic drug inhibits cellular division in mitosis (i.e. metaphase arrest) :
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60. Drugs that may cause megaloblastic anaemia include each of the following except :
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 - (2) 5-HT
 - (3) Angiotensin
 - (4) Leukotrienes
- 77.** Prostaglandin, which has anti-aggregatory action on platelets :
- (1) PGG₂
 - (2) PGI₂
 - (3) PGH₂
 - (4) PGF₂
- 78.** Antihistaminic agent which is ineffective orally :
- (1) Sodium chromoglycate
 - (2) Salbutamol
 - (3) Theophylline
 - (4) Orciprenaline
- 79.** All of the following are adverse effects of aminoglycoside antibiotics except :
- (1) Neuromuscular blockade
 - (2) Hematuria
 - (3) Dermatitis
 - (4) Anaemia
- 80.** Antiviral activity of zidovudine is due to :
- (1) Inhibition of viral RNA polymerase
 - (2) Inhibition of viral protein synthesis
 - (3) Inhibition of viral dependent DNA polymerase
 - (4) All of the above

- 81.** Monophasic liquid dosage forms include :
- (1) Solutions
 - (2) Aromatic waters
 - (3) Tinctures
 - (4) All of the above
- 82.** pH of human tear is :
- (1) 7.2
 - (2) 7.6
 - (3) 8.0
 - (4) 4.6
- 83.** The different types of water as specified by I.P. are :
- (1) Purified water and W.F.I
 - (2) W.F.I and distilled water
 - (3) Purified water, W.F.I. and sterile water for injection
 - (4) Both (1) and (2)
- 84.** The different methods used for pyrogen testing is :
- (1) Rabbit test
 - (2) LAL test
 - (3) Both (1) and (2)
 - (4) None of the above
- 85.** Non-ionic surfactant vesicles relates to :
- (1) Liposomes
 - (2) Niosomes
 - (3) Nanoparticles
 - (4) Both (1) and (2)
- 86.** In Gram's staining technique, the Gram +ve cells appear :
- (1) Blue
 - (2) Green
 - (3) Red
 - (4) Violet
- 87.** Tyndalisation is :
- (1) 80°C for 20 min. on three successive days
 - (2) 100°C for 20 min. on three successive days
 - (3) 60°C for 20 min. on three successive days
 - (4) None of the above
- 88.** The bacterial spores are destroyed by :
- (1) Dessication
 - (2) Phenol
 - (3) Boiling
 - (4) Autoclaving

89. Killed bacterial vaccine is :

- (1) BCG
- (2) Diphtheria
- (3) Pertusis
- (4) Tetanus

90. For dry heat sterilization holding time is :

- (1) 160°C for 1 hour
- (2) 140°C for 3 hours
- (3) 150°C for 1/2 hour
- (4) 160°C for 2 hours

91. The near ultraviolet region ranges from :

- (1) 100 - 300 m μ
- (2) 100 - 400 m μ
- (3) 200 - 400 m μ
- (4)

92. Electronic transitions in organic molecules involve :

- (1) Transition of σ electrons
- (2) Transition of n electrons
- (3) Transition of π electrons
- (4) All of the above

93. The commonly used detector in UV spectrophotometer is :

- (1) Photomultiplier tube
- (2) Thermocouple
- (3) Bolometer
- (4) Littrow prism

94. The IR radiation source, Globar is chemically :

- (1) Silicon carbide
- (2) Silicon disulphide
- (3) Zirconium oxide
- (4) None of the above

95. O-H stretching vibrations in alcohols and phenols ranges from :

- (1) 3550 - 3450 cm^{-1}
- (2) 3400 - 3200 cm^{-1}
- (3) 3650 - 3590 cm^{-1}
- (4) 3570 - 3450 cm^{-1}

96. The largest peak in the mass spectrum is known as :

- (1) Metastable peak
- (2) Rearrangement peak
- (3) Base peak
- (4) Molecular ion peak

97. The reference electrode in potentiometric titrations is :

- (1) Noble metal electrode
- (2) Dropping mercury electrode
- (3) Saturated calomel electrode
- (4) Platinum electrodes

98. The pressure used in HPLC is :

- (1) 1000 - 3000 psi
- (2) 1000 - 5000 psi
- (3) 1000 - 6000 psi
- (4) 2000 - 6000 psi

99. The commonly used binder in TLC is :

- (1) Calcium carbonate
- (2) Calcium bisulphate
- (3) Calcium sulphate
- (4) Calcium hydroxide

100. The inert gas used in gas chromatography is :

- (1) Hydrogen
- (2) CO₂/O₂
- (3) Nitrogen/helium
- (4) Sulphur

PHARMACY CENTRALIZED ENTRANCE EXAM 2017 KEY

Srl no.	SET-A	SET-B	SET-C	SET-D
1	4	4	3	4
2	2	1	1	1
3	1	3	3	3
4	3	4	4	3
5	3	4	3	2
6	4	1	1	1
7	1	4	2	1
8	4	1	2	1
9	4	4	1	3
10	2	3	1	1
11	2	4	1	2
12	3	2	4	3
13	3	3	1	3
14	2	3	2	3
15	3	3	2	1
16	2	4	3	2
17	2	4	1	3
18	3	1	1	2
19	4	2	2	1
20	3	4	1	2
21	3	4	3	4
22	1	1	3	2
23	3	3	1	3
24	4	3	2	3
25	3	2	2	3
26	1	1	3	4
27	2	1	3	4
28	2	1	3	1
29	1	3	4	2
30	1	1	2	4
31	2	4	4	3
32	3	2	2	1
33	3	1	3	3
34	3	3	3	4
35	1	3	3	3
36	2	4	4	1
37	3	1	4	2
38	2	4	1	2

Answers key checked & verified.

23/6/12

PHARMACY CENTRALIZED ENTRANCE EXAM 2017 KEY

Srl no.	SET-A	SET-B	SET-C	SET-D
39	1	4	2	1
40	2	2	4	1
41	4	1	4	3
42	1	4	2	4
43	3	1	1	1
44	4	2	3	1
45	4	2	3	3
46	1	3	4	3
47	4	1	1	3
48	1	1	4	3
49	4	2	4	3
50	3	1	2	3
51	1	3	2	3
52	4	4	3	3
53	1	1	3	1
54	2	1	3	2
55	2	3	1	2
56	3	3	2	3
57	1	3	3	3
58	1	3	2	3
59	2	3	1	4
60	1	3	2	2
61	3	3	2	4
62	4	1	3	1
63	1	3	3	3
64	1	4	2	4
65	3	3	3	4
66	3	1	2	1
67	3	2	2	4
68	3	2	3	1
69	3	1	4	4
70	3	1	3	3
71	4	2	4	1
72	2	3	1	4
73	3	3	3	1
74	3	2	4	2
75	3	3	4	2
76	4	2	1	3

checked & verified

*W-1
23/6/22*

PHARMACY CENTRALIZED ENTRANCE EXAM 2017 KEY

Srl no.	SET-A	SET-B	SET-C	SET-D
77	4	2	4	1
78	1	3	1	1
79	2	4	4	2
80	4	3	3	1
81	3	3	4	4
82	3	3	1	2
83	1	1	3	1
84	2	2	3	3
85	2	2	2	3
86	3	3	1	4
87	3	3	1	1
88	3	3	1	4
89	4	4	3	4
90	2	2	1	2
91	4	2	3	2
92	1	3	4	3
93	3	3	1	3
94	3	3	1	2
95	2	1	3	3
96	1	2	3	2
97	1	3	3	2
98	1	2	3	3
99	3	1	3	4
100	1	2	3	3

checked & verified

23/9/17