PREVIOUS YEAR PAPER

DSSSB Pharmacist 2021 — 18 November 2021, Shift 1

DSSSB Other Posts · 18 November 2021 · Shift 1

147 of the paper's 200 questions · +1 for a correct answer, −0.25 for a wrong one · 120 minutes

Left out of the original paper: 53 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Delhi Subordinate Services Selection Board's paper of 18 November 2021, Shift 1. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/dsssb-other-posts/previous-year-papers/dsssb-other-posts-2021-pharmacist-18-nov-shift-1/

General Ability

1. Ramesh and Suresh are brothers. Anjali is wife of Ramesh. Ragini and Alok are children of Vaishali, who is the wife of Suresh. How is Ramesh related to Alok?

(a) Paternal Uncle

(b) Maternal Uncle

(c) Cousin

(d) Father-in-law

Answer: (a)

2. Summaiya spends 60% of her monthly income on h sehold items, 30% of the remaining on house rent and clothes, and saves 30% of the remai g. If her monthly salary is ₹60,000, then how much money does she save?

(a) ₹25,200

(b) ₹12,000

(c) ₹8,000

(d) ₹5,040

Answer: (d)

3. The number of chairs in each row of a seminar hall is equal to the total rows in the hall. After removing 121 chairs from the hall, there were 10,488 chairs left. How many rows of chairs were there in the hall?

(a) 100

(b) 102

(c) 103

(d) 104

Answer: (c)

4. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
Some birds are lizards
Some lizards are peacocks
Conclusions:
I. Some birds are peacocks
II. Some peacocks are birds

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor II follows

Answer: (d)

5. Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

(a) Red
(b) Green
(c) Pink
(d) Blue

Answer: (c)

6. There are zebras and parrots in a zoo. By counting heads, they are a total of 90. The number of legs is 210. How many parrots are there?

(a) 60
(b) 65
(c) 72
(d) 75

Answer: (d)

7. A total of 415 coins of ₹2 and ₹5 denominations make a sum of ₹1,550. The number of ₹5 coins is:

(a) 120
(b) 144
(c) 220
(d) 240

Answer: (d)

8. Select the number set that is analogous to the given set?
(21, 7, 126)

(a) (42, 14, 294)
(b) (33, 11, 196)
(c) (33, 11, 198)
(d) (42, 16, 252)

Answer: (c)

9. Find the missing letter in the following letter series.
K, I, G, E, C,?

(a) B
(b) A
(c) Z
(d) Y

Answer: (b)

10. Which of the following words is different from the rest in a certain manner?

(a) Cow
(b) Goat
(c) Zebra
(d) Horse

Answer: (c)

11. Power is to Watt as Mass is to _____.

(a) Balance
(b) Weight
(c) Kilogram
(d) Item

Answer: (c)

12. Select the set in which the numbers are related in the same way as the numbers of the following set.
(16, 4, 2)

(a) (24, 4, 6)
(b) (200, 5, 20)
(c) (18, 3, 5)
(d) (40, 20, 20)

Answer: (b)

13. Select the option that can replace the question mark (?) in the following series.
M, O, U, W, ?

(a) Z
(b) B
(c) C
(d) Y

Answer: (c)

14. Read the below two Statements carefully and identify which of the Conclusions are definitely true.
Statement:
A) No Bed is a Room.
B) All Lamp are Bed.
Conclusion:
I. No Lamp is a Room.
II. All Lamps are not Rooms.
III. All Rooms are not Lamps.
IV. Some Lamps are Rooms.

(a) Only conclusion I follows
(b) Only conclusionII follows
(c) Neither conclusion III and conclusion II follows
(d) Conclusions I, II & III follow

Answer: (d)

15. Read the Statement carefully and observe.
Statement:
A) All FLOWERS are LEAF.
B) All LEAF are ROOTS.
Conclusion:
I. All ROOTS are FLOWERS.
II. All FLOWER are ROOTS. III. Some ROOTS are FLOWERS.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Neither conclusion I and conclusion II follow
(d) Both conclusions II and III follows

Answer: (d)

16. Select the option that can replace question mark (?) in the following series.
G, J, M, ?

(a) Q
(b) P
(c) O
(d) R

Answer: (b)

General Awareness

21. Justice N.V. Ramana was on April 2021 sworn in as the _____ Chief Justice of India (CJI).

(a) 45th
(b) 47th
(c) 48th
(d) 50th

Answer: (c)

22. Who among the following was the first chairperson of the Lokpal?

(a) Shri Justice Ranjan Gogoi

(b) Shri Justice Pinaki Chandra Ghose

(c) Sri Justice Arun Mishra

(d) Sri Justice Vikram Nath ·

Answer: (b)

23. Who among the following launched the POSHAN Abhiyaan that directs the attention of the country towards the problem of malnutrition and address it in a mission-mode in 2018?

(a) Sri Narendra Modi

(b) Smt.Smriti Irani

(c) Sri Ramesh Pokhriyal

(d) Smt. Nirmala Sitharaman

Answer: (a)

24. Who among the following is the first Indian Prime Minister to preside over UNSC meeting?

(a) Indira Gandhi

(b) I.K.Gujral

(c) Manmohan Singh

(d) Narendra Modi

Answer: (d)

25. Uchhatar Avishkar Yojana (UAY) was announced _____, with a view to promoting innovation of a higher order that directly impacts the needs of Industry and thereby improves the competitive edge of Indian manufacturing.

(a) 2014

(b) 2015

(c) 2016

(d) 2017

Answer: (b)

26. Which Indian scientist introduced Sixth Sense – wearable gestural computing technology to the world in 2009?

(a) Pranav Mistry

(b) Shinjini Kundu

(c) Dinesh Bharadia

(d) Jagdish Chaturvedi

Answer: (a)

27. Who among the following has been honoured with the Scientific and Engineering Academy Award at the Oscars Scientific and Technical Awards 2018 at Beverly Hills in Los Angeles, California?

(a) Shiva Ayyadurai
(b) Vikas Sathaye
(c) Anil Kakodkar
(d) Subramaniam Ramadorai

Answer: (b)

28. Which district among the following had the highest average literacy rate as per the Census 2011?

(a) Champhai
(b) Mahe
(c) Kottayam
(d) Serchhip

Answer: (d)

29. A Tribal Health and Nutrition Portal has been launched by the name of _____ by Ministry of Tribal Affairs in August 2020.

(a) Swasthya
(b) Alekh
(c) Poshan
(d) Takat

Answer: (a)

30. The Indian Air Force and the Air Force of which other country participated in the Ex Desert Knight-21 drill between January 20 to 24 in 2021?

(a) USA
(b) UK
(c) France
(d) Serbia

Answer: (c)

31. In which year was the Defence Research and Development Organization established?

(a) 1947
(b) 1952
(c) 1956
(d) 1958

Answer: (d)

32. Which one of the following is an indigenously developed rocket launched from a Multi-Barrel Rocket Launcher (MBRL)?

(a) NAITIKA ROCKET
(b) PINAKA ROCKET
(c) PITARA ROCKET
(d) SHAKTI ROCKET

Answer: (b)

33. The _____ was India's first indigenously developed ballistic missile produced by the Integrated Guided Missile Development Program (IGMDP).

(a) Prithvi
(b) Agni
(c) Akash
(d) Vayu

Answer: (a)

34. India's first indigenous _____ is, IAC-1.

(a) Aircraft carrier
(b) Rocket Launcher
(c) Missile Launcher
(d) Nuclear Warhead

Answer: (a)

35. As per Hindu Calendar 'Hemant Ritu' will fall in which period?

(a) January-March
(b) Mid July-September
(c) Mid October-December
(d) April-June

Answer: (c)

36. Which one of the following state is located in the estern Himalayas?

(a) Arunachal Pradesh
(b) Nagaland
(c) Uttarakhand
(d) Mizoram

Answer: (c)

37. In which state will you find the rivers Lahen, Lachung, Rangit and Rangpo?

(a) Sikkim
(b) Jharkhand
(c) Assam
(d) Chhattisgarh

Answer: (a)

38. In which year was the first census of independent India done?

(a) 1947
(b) 1949
(c) 1951
(d) 1954

Answer: (c)

39. As per 'Household Social Consumption: Education in India as part of the 75th round of National Sample Survey – from July 2017 to June 2018' _____ is the most literate state in India.

(a) Goa
(b) Sikkim
(c) Mizoram
(d) Kerala

Answer: (d)

40. Where in India was the headquarters of The Theosophical Society established in India in the year 1882?

(a) Calcutta
(b) Madras
(c) Lucknow
(d) Delhi

Answer: (b)

General English

61. Fill in the blank using the correct option.In case no article is needed, select option No Article.
I was born in _____ state of Uttarakhand in north India.

(a) a
(b) an
(c) the
(d) No Article

Answer: (c)

62. Fill in the blank using the correct option.In case no article is needed, select option No Article.
We dressed the little girl as _____ Indian gypsy.

(a) a
(b) an
(c) the
(d) No Article

Answer: (b)

63. Fill in the blank using the correct option.In case no article is needed, select option No Article.
My folding umbrella couldn't shield me from _____ heavy downpour.

(a) a
(b) an
(c) the
(d) No Article

Answer: (c)

65. Choose the correct meaning of the following idiom from the options given below:
Close fisted

(a) Miser
(b) Spendthrift
(c) Generous
(d) Powerful

Answer: (a)

66. Choose the correct one word substitution of the given sentence from the options given below:
A woman's handbag in earlier days was called as _____.

(a) Holdall
(b) Reticule
(c) Backpack
(d) Wallet

Answer: (b)

67. Read the following sentence and identify the part that has an error.
She spoke /so soft/ that we could / hardly hear her.

(a) She spoke
(b) so soft
(c) that we could
(d) hardly hear her

Answer: (b)

68. Read the following sentence and identify the part that has an error.
Anu said to her mother, / "Please don't buy/ the expensive bags, /buy the cheaper one's."

(a) Anu said to her mother
(b) Please don't buy
(c) the expensive bags
(d) buy the cheaper one's

Answer: (d)

69. Identify the segment in the sentence, which contains the grammatical error.
I do not/ like to laugh/ above his/ silly jokes.

(a) I do not
(b) like to laugh
(c) above his
(d) silly jokes

Answer: (c)

70. Identify the segment in the sentence, which contains the grammatical error.
Although it was/ very cold outside / even we went/ for a walk.

(a) Although it was

(b) very cold outside

(c) even we went

(d) for a walk

Answer: (c)

72. Fill in the blank with the most appropriate idiom. The meaning of the idiom is given in brackets for guidance.
The detective didn't realize that he was _____ (making a mistake) the wrong tree by falling prey to the wrong version of the story.

(a) climbing down

(b) barking up

(c) barking down

(d) climbing up

Answer: (b)

74. Choose the correct ANTONYM of the given word.
FOOLISH

(a) Wise

(b) Absurd

(c) Graceful

(d) Simple

Answer: (a)

75. Select the word which is closest in meaning to the word given below:
Recondite

(a) Conspicuous

(b) Concealed

(c) Palpable

(d) Responsible

Answer: (b)

Discipline1

101. One of the chemical constituents present in Van den Bergh reagent A is:

(a) sodium thiosulphate

(b) sodium chloride

(c) sulphanilic acid

(d) sulfanilamide

Answer: (c)

102. The icteric index is a measure that is used to identify:

(a) diabetes
(b) jaundice
(c) gout
(d) anaemia

Answer: (b)

103. Which of the following is a plasma protein derived chemical mediator of inflammation?

(a) Bradykinin
(b) Serotonin
(c) Globulin
(d) Cytokine

Answer: (a)

104. The source of salmonella generated enterocolitis is:

(a) cheese
(b) water
(c) shell fish
(d) beef

Answer: (d)

105. The epithelium composed of a single layer of flat ed cells is termed as:

(a) columnar epithelium
(b) cuboidal epithelium
(c) pavement epithelium
(d) ciliated epithelium

Answer: (c)

106. The most abundant plasma protein present in the body is:

(a) albumin
(b) globulin
(c) fibrinogen
(d) plasminogen

Answer: (a)

107. Sinusoids are generally found in all of the following, EXCEPT:

(a) the bone marrow
(b) the brain
(c) the spleen
(d) the liver

Answer: (b)

108. The type of aneurysm occurring mainly in the arch of the aorta is:

(a) fusiform
(b) microaneurysm
(c) saccular
(d) dissecting

Answer: (d)

109. The thermoregulatory centre in the brain is located in:

(a) the cerebrum
(b) the cerebellum
(c) the hypothalamus
(d) the medulla oblongata

Answer: (c)

110. The phase of the cell cycle during which the cell may leave the cell cycle is:

(a) G0
(b) G1
(c) S
(d) M

Answer: (a)

111. The number of ATP yielded in the body from 1 mo ule of glucose as a result of electron transport chain is:

(a) 2
(b) 4
(c) 6
(d) 32

Answer: (d)

112. The RNA virus that causes cancer in humans is:

(a) human papilloma virus
(b) human T cell leukaemia virus
(c) Epstein-Barr virus
(d) hepatitis B virus

Answer: (b)

113. The alcohol contained in glycolipids is:

(a) glycerol
(b) sphingosine
(c) maltitol
(d) sorbitol

Answer: (b)

114. Catabolism of serine takes place after getting converted to:
(a) tyrosine
(b) alanine
(c) cysteine
(d) proline
Answer: (c)

115. Which of the following vitamins is essential in citric acid metabolism?
(a) Thiamine
(b) Cyanocobalamin
(c) Ascorbic acid
(d) Retinol
Answer: (a)

116. The enzyme that is responsible for the conversion of ATP to cAMP is:
(a) phosphodiesterase
(b) lipoprotein lipase
(c) guanyl cyclase
(d) adenylyl cyclase
Answer: (d)

117. 8-bit word can address _____ memory locations.
(a) 32
(b) 138
(c) 8
(d) 256
Answer: (d)

118. A set of instructions is called:
(a) an address
(b) a code
(c) a programme
(d) a server
Answer: (c)

119. Basic ASCII Code is a standard coding system that uses _____ bits to code each character.
(a) 3
(b) 7
(c) 9
(d) 5
Answer: (b)

120. Which of the following is a software programme that is programmed for doctors to enter patient symptoms into the computer?

(a) SUMEX

(b) COPES

(c) COPE

(d) IPES

Answer: (a)

Discipline2

121. The number of grams required for preparing 8 oz of 6 per cent solution of mercuric chloride is _____ (35 grams in 8 oz makes 1 per cent solution).

(a) 175 grams

(b) 210 grams

(c) 320 grams

(d) 144 grams

Answer: (b)

122. Which of the following liquid preparations is applied externally to the skin and not in the cavities?

(a) Ear drops

(b) Douches

(c) Enemas

(d) Collodions

Answer: (d)

123. The aromatic water used as carminative for infants in gripe water is:

(a) camphor water

(b) dill water

(c) chloroform water

(d) anise water

Answer: (b)

124. The strength of 1 in 400 is equivalent to:

(a) 0.143%

(b) 0.04%

(c) 0.25%

(d) 0.1%

Answer: (c)

126. Which of the following is an example of external preparation of suspension containing indiffusible solid?

(a) Hydrocortisone
(b) Aspirin
(c) Phenobarbitone
(d) Sulphadimidine

Answer: (a)

127. In the imperial weight system, ½ scruple represents:

(a) 10 grains
(b) 60 grains
(c) 20 grains
(d) 40 grains

Answer: (a)

128. Which of the following is an example of an ointment made by chemical reaction?

(a) Iodine ointment
(b) Ammoniated mercury ointment
(c) Calamine ointment
(d) Salicylic acid ointment

Answer: (a)

129. The solvent contained in dimercaprol injection i

(a) dimethyl formamide
(b) ethyl acetate
(c) benzyl benzoate
(d) alcohol

Answer: (c)

130. The synthetic fat bases consisting of a mixture of tri, di and mono glycerides of saturated fatty acid are known as:

(a) Massa estarinum
(b) Maasuppol
(c) Wecobee
(d) Witepsol

Answer: (a)

131. In India, the National Malaria Eradication Programme was launched in:

(a) 1947
(b) 1958
(c) 1963
(d) 1972

Answer: (b)

132. Cohort study is associated with which of the following methods of epidemiology?

(a) Analytical epidemiology
(b) Descriptive epidemiology
(c) Quantitative epidemiology
(d) Experimental epidemiology

Answer: (a)

133. The communicable disease caused by RNA paramyxovirus is:

(a) tuberculosis
(b) chicken pox
(c) measles
(d) diphtheria

Answer: (c)

134. Sporangiospores are associated with:

(a) phycomycetes
(b) ascomycetes
(c) basidiomycetes
(d) glomeromycetes

Answer: (a)

135. The Schedule regarding standards of disinfectan uids is:

(a) Schedule J
(b) Schedule R
(c) Schedule O
(d) Schedule P

Answer: (c)

136. The Schedule corresponding to proforma for application for licences, issue and renewal of licences, and for sending memoranda under the Drugs and Cosmetics Act is:

(a) Schedule E1
(b) Schedule A
(c) Schedule D1
(d) Schedule K

Answer: (b)

137. Section 9 of the National List of Essential Medicines is specifically about:

(a) antimigraine medicines
(b) antiinfective medicines
(c) antineoplastic medicines
(d) antiparkinsonism medicines

Answer: (d)

138. The subsequent penalty on the offence related to the manufacture, sale, distribution, stocking, exhibition, offering for sale or distribution of spurious drugs but not manufactured under the name of any other drug is:

(a) imprisonment up to 10 years or fine up to ₹20,000 or both

(b) imprisonment for not less than 6 years to 10 years and fine of not less than ₹10,000

(c) imprisonment for 2 to 4 years or fine of not less than ₹5,000 or both

(d) imprisonment up to 10 years or fine upto ₹5,000 or both

Answer: (b)

139. Which of the following is credited to the profit and loss account?

(a) Printing and stationary

(b) Carriage outwards

(c) Advertisement

(d) Cash discount from creditors

Answer: (d)

140. Which of the following is a current asset?

(a) Quorum

(b) Inventory

(c) Debenture

(d) Tender

Answer: (b)

Discipline3

141. The accounting concept where income is measured by the amount charged for goods sold or services rendered to customers is known as:

(a) the cost concept

(b) the matching concept

(c) the revenue realisation concept

(d) the entity concept

Answer: (c)

142. 'First in First Out Method' is a method associated with:

(a) pricing of materials

(b) codification of items

(c) inventory control techniques

(d) purchase procedures

Answer: (a)

143. Which of the following is used as an antioxidant for aqueous injections?

(a) Thiocarbamide
(b) Thiourea
(c) Thiomersal
(d) Thiosemicarbazide

Answer: (b)

144. The minimum number of physicians required in the Pharmacy and Therapeutics Committee is:

(a) 3
(b) 4
(c) 2
(d) 5

Answer: (a)

145. The most common emulsifying agent used in parenterals is:

(a) methyl cellulose
(b) gelatin
(c) lecithin
(d) borax

Answer: (c)

146. The term associated with the rapid onset and pr ess of a disease is termed as:

(a) systemic
(b) local
(c) chronic
(d) acute

Answer: (d)

147. The advice on a prescription 'hora somni' means:

(a) once a day
(b) at bed time
(c) early morning
(d) in the evening

Answer: (b)

148. Isoniazid-Phenytoin interaction resulting in phenytoin toxicity is a result of:

(a) interaction associated with metabolism
(b) interaction associated with excretion
(c) interaction associated with absorption
(d) interaction associated with distribution

Answer: (a)

149. The ratio of velocity of light in one medium to the velocity in a second medium is known as:

(a) molar refractivity
(b) refractive index
(c) molar polarization
(d) molar polarizability

Answer: (b)

150. The law related to the study of gas solubilities is known as:

(a) Ohm's law
(b) Henry's law
(c) Nernst's law
(d) Faraday's law

Answer: (b)

151. In electrolytes, the sum of two transference numbers, t+ and t− is equal to:

(a) 0
(b) 2
(c) 1
(d) 3

Answer: (c)

152. Dimethyldodecylammonio propane sulfonate is *a* *x*ample of a/an _____ colloid.

(a) ampholytic
(b) cationic
(c) anionic
(d) non-ionic

Answer: (a)

153. In coarse dispersions, the condition when no clear supernatant is shown on standing is known as:

(a) ionic equilibrium
(b) flocculation equilibrium
(c) Donnan membrane equilibrium
(d) phase equilibrium

Answer: (b)

154. The measurement of equilibrium constant in charge transfer complexes was derived by:

(a) Clausius
(b) Debye
(c) Benesi
(d) Nernst

Answer: (c)

155. Which of the following diseases is caused by Treponema pallidum?

(a) Leptospirosis
(b) Tetanus
(c) Pinta
(d) Syphilis

Answer: (d)

156. Among the surface active agents, quaternary ammonium chloride is categorised as:

(a) a wetting agent
(b) an anionic agent
(c) a cationic agent
(d) an emulsifying agent

Answer: (c)

157. The antimicrobial action of mercuric chloride is attributed to the inhibition of enzymes having _____ group.

(a) sulfhydryl
(b) hydroxyl
(c) amide
(d) sulfone

Answer: (a)

158. The vitamin used by Clostridium tetani as a grov stimulator is:

(a) niacin
(b) riboflavin
(c) pyridoxine
(d) tocopherol

Answer: (b)

159. The principal product of corrosion on dezincification is:

(a) antimony
(b) phosphorous
(c) copper
(d) arsenic

Answer: (c)

160. Krystal crystallizer works on the principle of:

(a) supersaturation by cooling
(b) supersaturation by adiabatic evaporation
(c) supersaturation by evaporation of solvent
(d) supersaturation by salting out

Answer: (c)

Discipline4

161. The IP specification for nominal mesh aperture size of 180 µm corresponds to:
(a) sieve number 60
(b) sieve number 85
(c) sieve number 44
(d) sieve number 100
Answer: (b)

162. The toxic gas obtained on decomposition of Teflon is:
(a) perfluoroisobutene
(b) epoxy propane
(c) chlorotrifluoro ethylene
(d) polypropylene
Answer: (a)

163. The approximate moisture content of a hard gelatin capsule in normal conditions is:
(a) 13-16%
(b) 3-6%
(c) 20-25%
(d) 7-10%
Answer: (a)

164. Which of the following is an example of inorgar .wo phase system gels?
(a) Carbopol gel
(b) Tragacanth gel
(c) Polyethylene gel
(d) Aluminium hydroxide gel
Answer: (d)

165. Which of the following is an example of water soluble and water miscible suppository base?
(a) Cocoa butter
(b) Suppocire base
(c) Wecobee base
(d) Glycerinated gelatin
Answer: (d)

166. Which of the following is used as a tablet direct compression excipient?
(a) Sodium chloride
(b) Dibasic calcium phosphate
(c) Titanium dioxide
(d) Hydroxyl ethyl cellulose
Answer: (b)

167. The T lymphocytes involved in mediating the development of T-cells are:

(a) suppressor T-cells
(b) helper T-cells
(c) cytotoxic T-cells
(d) inducer T-cells

Answer: (d)

168. The most preferred production method of L-glutamic acid is through:

(a) extraction
(b) fermentation
(c) chemical synthesis
(d) intermediate production

Answer: (b)

169. The heavy chain corresponding to the immunoglobulin IgA is:

(a) Ɣ
(b) ε
(c) α
(d) μ

Answer: (c)

170. The antisense drug used for the treatment of cyt egalovirus in patients with AIDS is:

(a) Fomivirsen
(b) Kogenate
(c) Refludan
(d) Filgrastim

Answer: (a)

171. Which of the following is categorised as having intermediate risk potential with reference to bioequivalence study?

(a) Ephedrine
(b) Griseofulvin
(c) Quinidine
(d) Phenytoin

Answer: (b)

172. The pharmacokinetic parameters like distribution and elimination together is called:

(a) metabolism
(b) excretion
(c) absorption
(d) disposition

Answer: (d)

173. The blood protein to which vitamin B12 binds is:

(a) α1 globulin

(b) α2 globulin

(c) α1 acid glycoprotein

(d) α2 acid glycoprotein

Answer: (a)

174. The specialised cells known as astrocytes are present in which of the following biological barriers in the body?

(a) Capillary endothelial barrier

(b) Cell membrane barrier

(c) Blood brain barrier

(d) Blood cerebrospinal fluid barrier

Answer: (c)

175. The reagent used in the assay of oxygen is:

(a) alkaline pyrogallol solution

(b) neutral ferric chloride

(c) acetous perchloric acid

(d) neutral formaldehyde

Answer: (a)

176. The permanent red colour obtained at the end o e titration in Volhard's method is due to the formation of:

(a) ferric thiocyanate

(b) silver chromate

(c) ammonium thiocyanate

(d) ammonium chromate

Answer: (a)

177. Which of the following is used for standardisations in redox titrations?

(a) Ferrous ammonium sulphate

(b) Calcium carbonate

(c) Potassium hydrogen phthalate

(d) Sulfanilic acid

Answer: (a)

178. In gravimetric analysis for the determination of ash value, the acid insoluble portion of ash is determined by boiling with:

(a) dilute hydrochloric acid

(b) sodium chloride

(c) acetic acid

(d) ammonium hydroxide

Answer: (a)

179. Which of the following drugs is assayed by complexometric titrations as per Pharmacopoeial standards?

(a) Calcium amino salicylate
(b) Potassium bromide
(c) Magnesium sulphate
(d) Zinc oxide

Answer: (c)

180. Complexone III is otherwise known as:

(a) ferri ferrocyanide
(b) disodium edetate
(c) potassium permanganate
(d) cupric iodide

Answer: (b)

Discipline5

181. Which of the following is an example of azo indicator?

(a) Phenolphthalein
(b) Phenol red
(c) Methyl red
(d) Ferroin

Answer: (c)

182. The pH range of _____ indicator is 6.8

(a) methyl orange
(b) phenol red
(c) bromocresol green
(d) methyl red

Answer: (b)

183. Which of the following is a dye that produces results similar to litmus paper?

(a) Morin
(b) Curcumin
(c) Lawsone
(d) Azolitmin

Answer: (d)

184. The indicator used in nonaqueous titration of barbiturates is:

(a) thymol blue
(b) phenolphthalein
(c) bromocresol green
(d) crystal violet

Answer: (a)

185. The buffer present in water soluble radio opaque contrast media is:

(a) citrate buffer
(b) acetate buffer
(c) sulfate buffer
(d) tartrate buffer

Answer: (a)

186. The inorganic compound used as an emetic is:

(a) sodium iodide
(b) ferric chloride
(c) iodine
(d) copper sulphate

Answer: (d)

187. Nitrous oxide should be stored in metal cylinders with temperature NOT exceeding:

(a) 10°C
(b) 26°C
(c) 36°C
(d) 45°C

Answer: (c)

188. The most abundant extracellular ion in the body i

(a) Mg2+
(b) Na+
(c) K+
(d) Ca2+

Answer: (b)

189. Clonidine structurally is a/an _____ derivative.

(a) pyrazoline
(b) triazine
(c) imidazoline
(d) pyrimidine

Answer: (c)

190. Which of the following cholesterol lowering agents is a naphthalenyl ester derivative?

(a) Clofibrate
(b) Gemfibrozil
(c) Colestipol
(d) Lovastatin

Answer: (d)

191. The antibiotic having mechanism of action attributed to muco peptide synthesis inhibition is:
(a) cycloserine
(b) bacitracin
(c) penicillin
(d) chloramphenicol
Answer: (b)

192. Dioscin is an example of:
(a) triterpenoid
(b) steroid saponin
(c) alkaloidal resin
(d) mucilage
Answer: (b)

193. Aleurone grains present in seeds are a type of:
(a) defensive proteins
(b) transport proteins
(c) storage proteins
(d) contractile proteins
Answer: (c)

194. The pungency of ginger is due to the presence o nich of the following homologous phenols?
(a) Gingerol
(b) Borneol
(c) Cineole
(d) Citral
Answer: (a)

195. Which of the following is an oleogum resin obtained from the stem of Commiphora?
(a) Asafoetida
(b) Myrrh
(c) Ginger
(d) Camphor
Answer: (b)

196. Which of the following is NOT an organoleptic factor for the standardisation of herbal drugs?
(a) Colour
(b) Moisture content
(c) Odour
(d) Taste
Answer: (b)

197. Which of the following traditional medicines is a semisolid dosage form?

(a) Asava
(b) Vatika
(c) Satva
(d) Avaleha

Answer: (d)

198. The prominent nutraceutical used for allergy relief is/are:

(a) Ginkgo biloba
(b) Momordica
(c) flax seeds
(d) green tea

Answer: (a)

199. An unpleasant ammoniacal odour is generated in which of the following drugs during storage due to humidity?

(a) Saffron
(b) Rhubarb
(c) Cinnamon
(d) Ergot

Answer: (d)

200. Which of the following is the brilliant red dye ob ned from insects?

(a) Ocher
(b) Indigo
(c) Cochineal
(d) Carajurin

Answer: (c)

Answer key

Answer key from the Delhi Subordinate Services Selection Board's official answer key for this sitting. "—" means the key gave none.

General Ability

1	**(a)**	2	**(d)**	3	**(c)**	4	**(d)**	5	**(c)**	6	**(d)**
7	**(d)**	8	**(c)**	9	**(b)**	10	**(c)**	11	**(c)**	12	**(b)**
13	**(c)**	14	**(d)**	15	**(d)**	16	**(b)**				

General Awareness

21	**(c)**	22	**(b)**	23	**(a)**	24	**(d)**	25	**(b)**	26	**(a)**
27	**(b)**	28	**(d)**	29	**(a)**	30	**(c)**	31	**(d)**	32	**(b)**
33	**(a)**	34	**(a)**	35	**(c)**	36	**(c)**	37	**(a)**	38	**(c)**
39	**(d)**	40	**(b)**								

General English

61	**(c)**	62	**(b)**	63	**(c)**	65	**(a)**	66	**(b)**	67	**(b)**
68	**(d)**	69	**(c)**	70	**(c)**	72	**(b)**	74	**(a)**	75	**(b)**

Discipline1

101	**(c)**	102	**(b)**	103	**(a)**	104	**(d)**	105	**(c)**	106	**(a)**
107	**(b)**	108	**(d)**	109	**(c)**	110	**(a)**	111	**(d)**	112	**(b)**
113	**(b)**	114	**(c)**	115	**(a)**	116	**(d)**	117	**(d)**	118	**(c)**
119	**(b)**	120	**(a)**								

Discipline2

121	**(b)**	122	**(d)**	123	**(b)**	124	[illegible]	126	**(a)**	127	**(a)**
128	**(a)**	129	**(c)**	130	**(a)**	131	**(b)**	132	**(a)**	133	**(c)**
134	**(a)**	135	**(c)**	136	**(b)**	137	**(d)**	138	**(b)**	139	**(d)**
140	**(b)**										

Discipline3

141	**(c)**	142	**(a)**	143	**(b)**	144	**(a)**	145	**(c)**	146	**(d)**
147	**(b)**	148	**(a)**	149	**(b)**	150	**(b)**	151	**(c)**	152	**(a)**
153	**(b)**	154	**(c)**	155	**(d)**	156	**(c)**	157	**(a)**	158	**(b)**
159	**(c)**	160	**(c)**								

Discipline4

161	**(b)**	162	**(a)**	163	**(a)**	164	**(d)**	165	**(d)**	166	**(b)**
167	**(d)**	168	**(b)**	169	**(c)**	170	**(a)**	171	**(b)**	172	**(d)**
173	**(a)**	174	**(c)**	175	**(a)**	176	**(a)**	177	**(a)**	178	**(a)**
179	**(c)**	180	**(b)**								

Discipline5

181	**(c)**	182	**(b)**	183	**(d)**	184	**(a)**	185	**(a)**	186	**(d)**
187	**(c)**	188	**(b)**	189	**(c)**	190	**(d)**	191	**(b)**	192	**(b)**
193	**(c)**	194	**(a)**	195	**(b)**	196	**(b)**	197	**(d)**	198	**(a)**
199	**(d)**	200	**(c)**								