PREVIOUS YEAR PAPER

DSSSB Senior Scientific Assistant (Ballistics) 2021 — 13 September 2021, Shift 2

DSSSB Other Posts · 13 September 2021 · Shift 2

123 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: 77 (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 13 September 2021, Shift 2. 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-senior-scientific-assistant-ballistics-13-sep-shift-2/

General Ability

1. A series is given with one term missing. Select the CORRECT alternative from the given ones that will complete the series.
JG, LH, NI, PJ, RK, ?

(a) SL
(b) TL
(c) SM
(d) TM

Answer: (b)

2. A series is given with one term wrong. Select the WRONG term from the given alternatives.
SNF, UQL, WTN, YWR, AZV

(a) SNF
(b) UQL
(c) WTN
(d) AZV

Answer: (b)

3. In the following question, select the odd letter/letters from the given alternatives.

(a) XT
(b) LH
(c) QM
(d) VS

Answer: (d)

4. In the following question, select the related letters from the given alternatives.
CN : FK :: PV : ?

(a) US
(b) SS
(c) RS
(d) SU

Answer: (b)

5. In the following question, select the related letters from the given alternatives.
DVXJ : HADG :: PQUB : ?

(a) TVAX
(b) RUAX
(c) RUBY
(d) TVAY

Answer: (d)

6. In a certain code language, 'EARTH' is written as '5', 'CHLORINE' is written as '8'. What is the code for 'MAGNETISM' in that code language?

(a) 7
(b) 8
(c) 9
(d) 10

Answer: (c)

7. In a certain code language, 'Where do I w[illegible]' is w[illegible]tten as '@ # ($', 'You should walk daily' is written as '% & * #', 'I hate you' is written as [illegible] What is the code for 'should hate daily' in that code language?

(a) ^ * %
(b) ^ (%
(c) * & ^
(d) # @ ^

Answer: (a)

8. Five persons A, B, C, D and E sit in a straight line facing towards the north (not necessarily in the same order). C sits third to the right of D. One person sits between A and C. B sits second to the left of E. Who sits in the middle of the line?

(a) A
(b) B
(c) C
(d) E

Answer: (b)

9. A team of five members is to be selected among eight members A, B, C, D, E, F, G and H. A and G have to be selected together. C and H have to be selected together. B and E cannot be selected together. G and F cannot be selected together. Which of the following members can be selected?

(a) BCDEH

(b) ABCDG

(c) ABDEG

(d) BCDFH

Answer: (d)

10. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements :
I. All A are B.
II. Some B are C.
Conclusions :
I. Some C are A.
II. All B are A.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusion I and II follows

(d) Neither conclusion follows

Answer: (d)

11. In the following question below are give[illegible]me[illegible]tements followed by some conclusions based on those statements. Taking the given statem[illegible] be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements :
I. All F are M.
II. All M are T.
Conclusions :
I. All F are T.
II. Some M are F.
III. Some T are F.

(a) Both conclusion I and II follows

(b) Only conclusion III follows

(c) Only conclusion II follows

(d) All conclusion follows

Answer: (d)

12. In the following question, select the missing number from the given series.
45, 82, 119, 156, ?

(a) 184
(b) 183
(c) 193
(d) 194

Answer: (c)

13. In the following question, select the missing number from the given series.
6, 12, 24, 30, 60, 66, ?

(a) 72
(b) 78
(c) 132
(d) 122

Answer: (c)

15. Tarun walks 8 km towards the north. He turns to the left and walks 10 km. He again turns to the left and walks 8 km. In which direction is he now from the starting point?

(a) East
(b) West
(c) North-East
(d) South-East

Answer: (b)

16. Point A is 4 metres west of point B. Point C is 3 metres south of point B. Point D is 4 metres east of point C. Point E is 9 metres north of point D.
How far and in which direction is point E from point A?

(a) 12 metre, North-East
(b) 12 metre, South-West
(c) 10 metre, North-East
(d) 10 metre, South-West

Answer: (c)

General Awareness

21. Gulbarga fort is situated in which state of India?

(a) Andhra Pradesh
(b) Tamil Nadu
(c) Karnataka
(d) Kerala

Answer: (c)

22. Which of the following pair of regional music – state is CORRECT?
I. Lotia – Rajasthan
II. Laman – Himachal Pradesh

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

23. The special case of oligopoly where there are exactly two sellers is called _____.

(a) Duopoly
(b) Monopolistic Competition
(c) Monopoly
(d) Perfect Competition

Answer: (a)

24. Which of the following is a monetary policy instrument of Reserve Bank of India?
I. Liquidity Adjustment Facility
II. Minimum Selling Price

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

25. Human body works within the pH range of _____ to _____.

(a) 6; 6.8
(b) 7; 7.8
(c) 8; 8.5
(d) 4; 5

Answer: (b)

26. Which of the following disease is NOT caused by virus?

(a) Common cold
(b) Influenza
(c) Dengue fever
(d) Typhoid fever

Answer: (d)

27. Which of the following statement is CORRECT?
I. Potassium and sodium react violently with cold water.
II. Aqua regia is a highly corrosive fuming liquid.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

28. Which of the following is NOT a freshwater lake?

(a) Dal Lake
(b) Loktak Lake
(c) Barapani Lake
(d) Sambhar Lake

Answer: (d)

29. India shares its land boundaries with _____ and _____ in the north-west.

(a) Pakistan; Afghanistan
(b) Pakistan; China
(c) Nepal; Bhutan
(d) Myanmar; Bangladesh

Answer: (a)

30. The oldest veda is _____.

(a) Rigveda
(b) Samaveda
(c) Yajurveda
(d) Atharvaveda

Answer: (a)

31. In which year Vasco da Gama came to India?

(a) 1498
(b) 1496
(c) 1492
(d) 1495

Answer: (a)

32. Banabhatta was a court poet of _____.

(a) Samudragupta
(b) Harshavardhan
(c) Chandragupta
(d) Ashok

Answer: (b)

33. Which of the following statement is CORRECT?
I. Cotton was probably grown at Mehrgarh from about 7000 years ago.
II. The Harappans made seals out of stone.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

34. In September 2020, which country has appointed the former Australian Prime Minister Tony Abbott as a trade advisor?

(a) United Kingdom
(b) United States of America
(c) China
(d) France

Answer: (a)

35. Who among the following is a transgender awardee of Padma Shri in 2021?

(a) Matha B. Manjamma Jogati
(b) Prithika Yashini
(c) Nadia Almada
(d) Laxmi Narayan Tripathi

Answer: (a)

36. Which article of Indian constitution is related with equality of opportunity in matters of public employment?

(a) Article 13
(b) Article 12
(c) Article 16
(d) Article 17

Answer: (c)

37. Which of the following statement is CORRECT regarding the Indian constitution?
I. Constitution of India came into force on 26 January 1949.
II. Article 74(1) of the Indian constitution provides that there shall be a council of Ministers with Prime Minister as its head to aid and advice the president.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (b)

38. Who among the following is the first Indian to win an individual gold medal in the Olympics?
(a) Neeraj Chopra
(b) Abhinav Bindra
(c) Marry Kom
(d) K.D. Jadhav
Answer: (b)

39. Lovlina Borgohain is associated with which sports?
(a) Javelin Throw
(b) Boxing
(c) Football
(d) Table Tennis
Answer: (b)

40. Which country will host the 2032 Summer Olympic games?
(a) Australia
(b) South Africa
(c) United States of America
(d) China
Answer: (a)

Arithmetic Ability

42. If the sum of a number and its square is 210, th[illegible]what is the number?
(a) 13
(b) 14
(c) 12
(d) 11
Answer: (b)

43. Average of five numbers is 45. If 4 is subtracted from each number, then what will be the new average?
(a) 40
(b) 41
(c) 49
(d) 42.5
Answer: (b)

44. Cost price of a fan is Rs. 3200. After giving a discount of 30 percent, it is sold at a profit of 75 percent. Marked price is how much percent more than the cost price?
(a) 50 percent
(b) 120 percent
(c) 125 percent
(d) 150 percent
Answer: (d)

45. A number is increased by 15 percent. If number become 713 after increment, then what was the original number?

(a) 628
(b) 606
(c) 620
(d) 614

Answer: (c)

46. Income of Suraj is 45 percent more than income of Manoj and Income of Suraj is 10 percent less than the income of Vishal. If Vishal's income is Rs. 29000, then what is the income of Manoj?

(a) Rs. 18000
(b) Rs. 21000
(c) Rs. 20400
(d) Rs. 14355

Answer: (a)

47. Selling price and cost price of a table are Rs. 5664 and Rs. 4800 respectively. What is the profit percentage?

(a) 22 percent
(b) 18 percent
(c) 16 percent
(d) 15 percent

Answer: (b)

48. A bag is sold at a loss of 10 percent. If it had been sold for Rs. 3360 more, then there would be a profit of 20 percent with respect to the selling price. What was the original selling price?

(a) Rs. 10080
(b) Rs. 9850
(c) Rs. 11200
(d) Rs. 8640

Answer: (d)

49. X : Y = 3 : 5. If Y – X = 858, then what is the value of (X + Y)?

(a) 3432
(b) 2872
(c) 2454
(d) 2216

Answer: (a)

50. Incomes of Kushal and Dinesh is 5 : 8 respectively. Kushal's income is increased by Rs. 5000 and the ratio of income of Kushal and Dinesh becomes 3 : 4. What is the income of Dinesh?

(a) Rs. 32000
(b) Rs. 36000
(c) Rs. 38000
(d) Rs. 40000

Answer: (d)

51. A sum of Rs. 63000 is lent at the rate of simple interest. If the rate of interest is 12 percent per annum, then what will be interest for three years?

(a) Rs. 24560
(b) Rs. 23320
(c) Rs. 22680
(d) Rs. 20400

Answer: (c)

52. Simple interest on a sum is Rs. 36900 for 3 years at the rate of 15 percent per annum. What will be the compound interest (compounding annually) on the same sum at the rate of 20 percent per annum for three years?

(a) Rs. 59696
(b) Rs. 62146
(c) Rs. 64236
(d) Rs. 65912

Answer: (a)

53. Speed of a car is 10 metre/second. How [illegible]ne will it take to cover a distance of 126 km?

(a) 3 hours 30 minutes
(b) 4 hours
(c) 7 hours
(d) 8 hours 40 minutes

Answer: (a)

54. A boat can cover a distance of 56 km downstream in 4 hours. If the speed of stream is 2 km/hr, then how much time will it take to cover the same distance in upstream?

(a) 4 hours 40 minutes
(b) 5 hours 16 minutes
(c) 6 hours
(d) 5 hours 36 minutes

Answer: (d)

55. Mohit alone can complete a work in 60 days. Rohit and Mohit together can complete the same work in 12 days. Rohit alone can complete the same work in how many days?

(a) 14 days

(b) 15 days

(c) 16 days

(d) 18 days

Answer: (b)

56. Y is 5 times as efficient as X. Z is 4 times as efficient as X. Y can complete a work in 144 days less than the days taken by X. In how many days X, Y and Z together can complete the same work?

(a) 12 days

(b) 15 days

(c) 18 days

(d) 24 days

Answer: (c)

General English

61. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
A majority impetus was / rapid urbanization during / the Industrial Revolution. / No error

(a) A majority impetus was

(b) rapid urbanization during

(c) the Industrial Revolution.

(d) No error

Answer: (a)

62. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Sometimes anger /can motivate us /to work hardest. / No error

(a) Sometimes anger

(b) can motivate us

(c) to work hardest.

(d) No error

Answer: (c)

65. A sentence has been given with a blank to be filled with an appropriate word/words. Choose the correct alternative.
Higher education _____ excludes many women.

(a) still

(b) till

(c) until

(d) up till

Answer: (a)

66. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
_____ what you have, be grateful for what's gone and stay motivated.

(a) Surly
(b) Cherish
(c) Play
(d) Slay

Answer: (b)

67. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
P: There are various kinds of avalanches, including rock avalanches, snow avalanches, and debris avalanches.
Q: Snow avalanches constitute a relatively common phenomenon in many mountainous areas.
R: An avalanche is typically triggered when materials on a slope break loose from its surroundings; this material then quickly collects and carries additional material down the slope.
S: Avalanche is a mass of material moving rapidly down a slope.

(a) SRPQ
(b) PQRS
(c) SRQP
(d) QRPS

Answer: (a)

68. The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
P: Other means of transmission include blood transfusion, placental transmission, or consumption of contaminated food.
Q: The protozoan Trypanosoma cruzi, the cause of Chagas disease, was limited historically to rural Latin America.
R: But increased migration of infected people has facilitated the spread of the disease.
S: Chagas disease is transmitted mainly by bloodsucking "kissing bugs," but various domestic and wild animals, including cats, dogs, guinea pigs, raccoons, skunks, and armadillos, participate in the transmission cycle.

(a) RPQS
(b) SRQP
(c) SRPQ
(d) QRSP

Answer: (d)

69. Choose the word that means the same as the given word.
Ally

(a) Sufferer
(b) Supporter
(c) Amateur
(d) Soldier

Answer: (b)

70. Choose the word that is opposite in meaning to the given word.
Destitute

(a) Opulent
(b) Skillful
(c) Meek
(d) Servile

Answer: (a)

71. In the given question, four words are given out of which one word is correctly spelt. Choose the CORRECTLY spelt word.

(a) Geometry
(b) Giometry
(c) Geomatry
(d) Geomeitry

Answer: (a)

72. In the given question, four words are given out of which one word is correctly spelt. Choose the CORRECTLY spelt word.

(a) Playrite
(b) Playwright
(c) Playright
(d) Playwrite

Answer: (b)

73. In the following question, out of the giv four rnatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To die in harness

(a) To die while still working
(b) To die in an event
(c) A natural death
(d) To die in an epidemic

Answer: (a)

74. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To fall on one's feet

(a) To get hurt badly
(b) To be sabotaged by a close friend
(c) To be fortunate
(d) To show disappointment

Answer: (c)

75. Choose the word that can substitute the given sentence.
A handwritten paper

(a) Manuscript
(b) Diary
(c) Thesis
(d) Handcraft

Answer: (a)

77. According to the author, the global demand for steel is forecast to increase by:

(a) More than 90% in five years
(b) More than five by 2035
(c) More than third by 2050
(d) More than 7% in coming years

Answer: (c)

Discipline1

102. When two bodies collide, there is no loss of kinetic energy. What is the coefficient of restitution for this collision?

(a) e = 0
(b) e = 1
(c) e = 0.5
(d) 0 < e < 1

Answer: (b)

104. Electric field is conservative when _____

(a) curl of electric field is equal to electric potential
(b) divergence of electric field is zero
(c) curl of electric field is zero
(d) divergence of electric field is equal to electric potential

Answer: (c)

106. Ensemble in which elements can exchange energy but not the particle is_____.

(a) Microcanonical
(b) Canonical
(c) Grand canonical
(d) Grand canonical and Canonical.

Answer: (b)

107. The total angular momentum of spectral term 3 d is _____.

(a) 3,1,0
(b) 4,3,2
(c) 2,-1,0
(d) 3,2,1

Answer: (d)

108. What is the value of band gap (in eV) of Si at 300 k?

(a) 0.17
(b) 1.11
(c) 2.29
(d) 1.37

Answer: (b)

109. The doping in the base of transistor is _____.

(a) light
(b) heavy
(c) moderate
(d) very heavy

Answer: (a)

111. Which of the following property is INCORRECT about nuclear forces?

(a) charge independent
(b) spin dependent
(c) weakest force in nature
(d) short range force

Answer: (c)

112. Which of the following is NOT an example of Tota ternal Reflection?

(a) Shining of the crack in a glass vessel
(b) twinkling of star
(c) sparkling of diamond
(d) formation of mirage

Answer: (b)

113. The microscope used for imaging the surface at the atomic level is _____.

(a) SEM
(b) STM
(c) TEM
(d) AFM

Answer: (b)

114. When all the dimensions are in nano range, then it is called as _____.

(a) Quantum well
(b) Quantum dot
(c) quantum wire
(d) micromaterial

Answer: (b)

115. The dimension of the nanomaterials are between _____.
(a) 1 to 100 μm
(b) 1 to 100 nm
(c) 1 to 100 mm
(d) 1 to 100 Å
Answer: (b)

116. Full form of LASER is _____.
(a) Light Amplification by Stimulated Emission of Radiations
(b) Light Absorption and Stimulated Emission of Radiations
(c) Light Amplification by Spontaneous Emission of Radiations
(d) Light Absorption by Spontaneous Emission of Radiations
Answer: (a)

117. When the atoms in the ground state in simulated emission, the life time is _____.
(a) 10 sec
(b) 1 sec
(c) infinity
(d) 60 sec
Answer: (c)

118. What is the isospin of pions?
(a) 1
(b) -(1 ÷ 2)
(c) 0
(d) 1 ÷ 2
Answer: (a)

119. Which of the following particle known as God particle?
(a) Photon
(b) Positron
(c) Higgs boson
(d) Quasar
Answer: (c)

120. Positrons have same mass but opposite electric charge. This is the antiparticle of _____.
(a) Electron
(b) Proton
(c) Neutron
(d) Photon
Answer: (a)

Discipline2

122. For the given dispersion relation, ω(k) = A ka/2, the group velocity is _____.

(a) Aa ÷2
(b) Aa
(c) Aka ÷2
(d) Aka

Answer: (a)

123. On passing through the neon gas, plasma and light produces _____.

(a) electric current
(b) Voltage
(c) ions
(d) electric field

Answer: (a)

124. When the planet is nearest to the sun, this position is called as _____.

(a) Apogee
(b) Aphelion
(c) Perigee
(d) Perihelion

Answer: (d)

125. Universe is expanding, the rate of this expansi s _____.

(a) accelerating
(b) decelerating
(c) zero
(d) constant

Answer: (a)

126. What is the sum of the eigenvalues of the matrix?

(a) trace of the matrix
(b) determinant of the matrix
(c) order of the matrix
(d) no. of elements in the matrix

Answer: (a)

127. All the elements in the null matrix is _____.

(a) 1
(b) zero
(c) 2
(d) -1

Answer: (b)

128. The system which is constituted by many non-identical elements connected by diverse interactions is known as _____.

(a) social network
(b) online network
(c) complex system
(d) Semantic network

Answer: (c)

129. Limit cycle is the non-linear phenomena, the trajectory of this is _____.

(a) Isolated closed trajectory
(b) Isolated open trajectory
(c) straight line trajectory
(d) elliptical trajectory

Answer: (a)

130. A nucleus of mass no. 200 decays into the ground state of its daughter nuclei. What is the energy of the particle if Q-value of the process is 4 MeV.

(a) 3.92 MeV
(b) 4.89 MeV
(c) 5.34 MeV
(d) 2.63 MeV

Answer: (a)

131. Which one of the following is NOT 1D nanomate[illegible]?

(a) nanotubes
(b) nanorods
(c) nanowires
(d) bundles of nanotubes

Answer: (d)

132. D-branes stands for _____.

(a) Dirac membrane
(b) Dirichlet brane
(c) Dirichlet membrane
(d) Dirac - Brane

Answer: (c)

Discipline4

167. The crime scene and forensic evidence contain messages that will lead to the answers the investigators need to solve the crime. By studying crimes and talking to perpetrators who have committed violent crimes, investigators can learn to apply and solve the equation of Why + How = _____.

(a) What
(b) When
(c) Who
(d) Now

Answer: (c)

168. Forensic Anthropology Society of Europe (FASE) was formed in:

(a) 1994
(b) 1997
(c) 2003
(d) 2007

Answer: (c)

169. The scientific study of bones is known as:

(a) Morphology
(b) Osteology
(c) Paleontology
(d) Anthropology

Answer: (b)

170. If the third molar crowns are less than ½ complete, it is virtually certain that the subject is less than:

(a) 9 yr old
(b) 11 yr old
(c) 12 yr old
(d) 14 yr old

Answer: (d)

171. One of the best-known methods of measuring skeletal maturity in children and young adults is by radiological assessment of:

(a) Hand and wrist bone development
(b) Tibia and fibula development
(c) Skull bones development
(d) Vertebrae development

Answer: (a)

172. Forensic medicine was also termed as state medicine. The term 'state medicine' was recommended by:

(a) Dr. William Bass
(b) Dr. Joseph bell
(c) Dr. Edmond Lo card
(d) Dr. Stanford Emersion Chaille

Answer: (d)

173. Which of the following courts in India CANNOT pass death sentences?

(a) Supreme court
(b) High court
(c) Additional sessions judge
(d) Chief judicial magistrate

Answer: (d)

174. In Indian legal system the inquest is held by investigating officer not below the rank of:

(a) Head constable
(b) Senior head constable
(c) Assistant sub-inspector
(d) Inspector

Answer: (b)

175. In the word Adipocere, "Adipo" stands for:

(a) Fat
(b) Wax
(c) Soft tissues
(d) Lipid

Answer: (a)

176. Which of the following is used as buffer in embalming procedure?

(a) Formalin
(b) Sodium borate
(c) Sodium citrate
(d) Glycerine

Answer: (b)

177. A dead body if found under water tied with stone. The average temperature of water was measured 4° C throughout the year. Forensic study revealed the significant saponification. Then the body must be under water at least for:

(a) 6-8 months
(b) 12-18 months
(c) 22-26 months
(d) 29-33 months

Answer: (b)

178. Which of the following is a lung damaging agent?

(a) Phosgene
(b) Tabun
(c) Norbromide
(d) Bromoxynil

Answer: (a)

179. The Drugs and Cosmetics Act was amended in _____ to include Ayurveda and Unani drugs.

(a) 1940
(b) 1962
(c) 1964
(d) 1978

Answer: (c)

180. The punishment for causing hurt by means of poison or any stupefying, intoxicating or unwholesome drug or other thing with the intent to commit an offence is dealt under:

(a) Section 176 of IPC
(b) Section 202 of IPC
(c) Section 271 of IPC
(d) Section 328 of IPC

Answer: (d)

Discipline5

181. Indian lunacy act was placed in 1912. I[illegible] ar[illegible]ded to mental health act in:

(a) 1937
(b) 1956
(c) 1987
(d) 1983

Answer: (c)

182. The Pinfire system was introduced at Great Exhibition in London in

(a) 1820
(b) 1851
(c) 1933
(d) 1947

Answer: (b)

183. The usual fatal dose for a drug is given as 65 mg/kg then its toxicity rating is:

(a) Extremely toxic
(b) Moderately toxic
(c) Very toxic
(d) Super toxic

Answer: (c)

184. If a bullet is designed such that it has diameter 0.625 inches and length 6.35 cm. The rate of twist for the firearm by which it would be fired is (approx):

(a) 17 inch
(b) 23 inch
(c) 31 inch
(d) 43 inch

Answer: (b)

186. The Weapon in which the ammunition is inserted into the rear of the barrel is called:

(a) Revolver
(b) Breech loader
(c) Rimfire
(d) Muzzle loader

Answer: (b)

187. There are only four possible blood types A, B, AB, and O. The vast majority of people in any population have two of these types which are:

(a) A and O
(b) A and B
(c) AB and O
(d) B and AB

Answer: (a)

188. The process of digesting carbohydrates in the [illegible] begins in the oral cavity. An enzyme from saliva catalyzes the "breakdown" of carbo[illegible]rate[illegible]
The enzyme is:

(a) Amylase
(b) Chitinase
(c) Maltase
(d) Lysozyme

Answer: (a)

189. The internet's first online serial killer is known as:

(a) The Hurt Locker
(b) Slave master
(c) Jack the Ripper
(d) Ted Bundy

Answer: (b)

190. The active principle in Indian liquorice is:

(a) Crotin
(b) Ricin
(c) Abrin
(d) Pulchellin

Answer: (c)

191. The ammunition which is same as bulleted ammunition except for the omission of the missile is known as:

(a) Rimfire ammunition
(b) Centre fire ammunition
(c) Caseless ammunition
(d) Blank ammunition

Answer: (d)

193. Macintosh 128 k was introduced in:

(a) 1978
(b) 1984
(c) 1988
(d) 1991

Answer: (b)

194. Which of the following chemical is used for identifying the amplified PCR products?

(a) Ethidium bromide
(b) Hydroxymethyl
(c) Iodine monochloride
(d) Sodium tetraborate

Answer: (a)

195. Lead sulphide is used in:

(a) Collyrium for the eyes
(b) In local sedative for sprains
(c) Manufacture of paints
(d) Abortifacient

Answer: (a)

196. The preservative used to preserve urine sample is:

(a) Sodium fluoride
(b) Saturated saline
(c) Potassium oxalate
(d) Eosin

Answer: (a)

197. Which of the following was designed for offline message access and works the best when one has only a single computer?

(a) IMAP
(b) POP
(c) TCP
(d) DNS

Answer: (b)

198. The lunch box used in traditional phreaking tools was meant for:

(a) External microphone

(b) Creates a party line

(c) AM transmitter

(d) Taps into a neighbor’s phone

Answer: (c)

199. Which of the following DOESN'T turn blue litmus red?

(a) Oxalic acid

(b) Carbolic acid

(c) Formic acid

(d) Malic acid

Answer: (b)

200. Reports of certain government scientific experts are usually admitted in the court as evidence without their oral examination. It is admitted under section:

(a) 293(1) CrPC

(b) 293(2) CrPC

(c) 293(3) CrPC

(d) 291 CrPC

Answer: (a)

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

General Awareness

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

Arithmetic Ability

42	**(b)**	43	**(b)**	44	**(d)**	45	**(c)**	46	**(a)**	47	**(b)**	48	**(d)**	49	**(a)**
50	**(d)**	51	**(c)**	52	**(a)**	53	**(a)**	54	**(d)**	55	**(b)**	56	**(c)**		

General English

61	**(a)**	62	**(c)**	65	**(a)**	66	**(b)**	67	**(a)**	68	**(d)**	69	**(b)**	70	**(a)**
71	**(a)**	72	**(b)**	73	**(a)**	74	**(c)**	75	**(a)**	77	**(c)**				

Discipline1

102	**(b)**	104	**(c)**	106	**(b)**	107	**(d)**	[illegible]	**(b)**	109	**(a)**	111	**(c)**	112	**(b)**
113	**(b)**	114	**(b)**	115	**(b)**	116	[illegible]	7	**(c)**	118	**(a)**	119	**(c)**	120	**(a)**

Discipline2

122	**(a)**	123	**(a)**	124	**(d)**	125	**(a)**	126	**(a)**	127	**(b)**	128	**(c)**	129	**(a)**
130	**(a)**	131	**(d)**	132	**(c)**										

Discipline4

167	**(c)**	168	**(c)**	169	**(b)**	170	**(d)**	171	**(a)**	172	**(d)**	173	**(d)**	174	**(b)**
175	**(a)**	176	**(b)**	177	**(b)**	178	**(a)**	179	**(c)**	180	**(d)**				

Discipline5

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