PREVIOUS YEAR PAPER

DSSSB Junior Clerk 2021 — 11 November 2021, Shift 2

DSSSB Junior Assistant / Junior Clerk · 11 November 2021 · Shift 2

131 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: 69 (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 11 November 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-junior-assistant-clerk/previous-year-papers/dsssb-junior-assistant-clerk-2021-junior-clerk-11-nov-shift-2/

General Ability1

1. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
B1R, Y4O, V9L, S16I, ?

(a) Q36G
(b) R27H
(c) P25F
(d) S28I

Answer: (c)

2. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
CF11, EH15, GJ19, IL23, ?

(a) KN29
(b) NK32
(c) KJ27
(d) KN27

Answer: (d)

3. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
LP20, II42, FB86, CU174, ?

(a) ZN350
(b) ZM350
(c) YN348
(d) ZP348

Answer: (a)

4. A series is given with one term wrong. Select that wrong term from the given alternatives.
OHBX, LDWR, IZRL, FVME, CRHZ

(a) LDWR
(b) FVME
(c) CRHZ
(d) IZRL

Answer: (b)

5. In the following question, select the related letters from the given alternatives.
PRO : OQN :: GAP : ?

(a) EZO
(b) FZO
(c) FYP
(d) EYO

Answer: (b)

6. In the following question, select the related letter pair from the given alternatives.
TL : BI :: ?

(a) FG : MD
(b) MK : UN
(c) AJ : GG
(d) DN : LK

Answer: (d)

7. In the following question, select the related letter pair from the given alternatives.
PNG : JPO :: ?

(a) TPM : MRU
(b) AKR : UMY
(c) BMC : VOK
(d) DOG : YQO

Answer: (c)

8. In the following question, select the related letter pair from the given alternatives.
TOG : JMU :: ?

(a) GMA : DKF
(b) LOR : UMM
(c) PIN : PGQ
(d) FAM : QXG

Answer: (b)

9. In a certain code language, 'PROFIT' is written as 'QFCLOM', 'RANDOM' is written as 'JLAKXO'. What is the code for 'SCRIPT' in that code language?

(a) QMGOZP

(b) QFMOZP

(c) QMFOYQ

(d) QMFOZP

Answer: (d)

10. In a certain code language, 'Cat Dogs Monkey Bat' is written as '8 5 3 9', 'Monkey Cow Fish Dogs' is written as '9 6 8 2', 'Hen Peacock Dogs Duck' is written as '8 7 1 4', 'Cat Bat Fish Hen' is written as '1 3 2 5'. What is the code for 'Monkey Cow Bat' in that code language?

(a) 9 6 8

(b) 9 6 5

(c) 8 6 5

(d) 9 5 8

Answer: (b)

11. In a certain code language, 'Up Down Over Above' is written as '8 2 4 9', 'Round Till Down Along' is written as '5 7 2 6', 'Via Over Along Below' is written as '6 3 4 1', 'Up Below Till Before' is written as '3 5 8 0'. What is the code for 'Till Over Below' in that code language?

(a) 5 4 6

(b) 5 9 3

(c) 5 4 3

(d) 7 6 3

Answer: (c)

12. In a certain code language, 'DIRT' is written as '–25', 'FAME' is written as '–11'. What is the code for 'LIFT' in that code language?

(a) –4

(b) –5

(c) –7

(d) –2

Answer: (b)

13. In a certain code language, 'ARCH' is written as '120', 'BENT' is written as '164'. What is the code for 'FLEW' in that code language?

(a) 142

(b) 236

(c) 298

(d) 184

Answer: (d)

14. Height of 6 boys A, K, M, R, S and T is compared. Height of no two boys is same. Height of K is less than only three boys but more than R and A. Height of T is more than M but less than S. Height of how many boys is more than the height of R?

(a) 4

(b) 3

(c) 5

(d) 4 or 5

Answer: (d)

15. R is the mother of G. K is the brother of L. T is the only daughter of P and G. F is the only daughter of R and K.
Which of the following statement(s) is/are correct?
I. G is the mother of T
II. R is the mother in law of P
III. L is the aunt of F

(a) Only II

(b) II and III

(c) I, II and III

(d) Only III

Answer: (a)

16. Five boys A, B, C, D and E likes one book among B1, B2, B3, B4 and B5 (not necessarily in the same order). They also like one pen among P1, P2, P3, P4 and P5 (not necessarily in the same order). No tow boys like same book and same pen. F likes P3 and B1. A don't like B4 and B2. C likes a odd numbered pen. A don't like book having odd number more than 3. One who likes B2 also likes P5. One who likes B4 also likes P4.
If C does not like even numbered book, then which of the following statements are correct?
I. A likes P2 and B3
II. C likes B5
III. D can like B2 and P5
IV. C likes either P1 or P4

(a) II and IV

(b) I and II

(c) II, III and IV

(d) I, II and III

Answer: (d)

17. A team of 5 members is to be formed from 5 boys : A, B, C, D and E and 5 girls : P, Q, R, S and T. A can be selected with either Q or E. P cannot be selected with T. A and S have to be selected together. R can be selected with neither D nor E.
Which of the following can represent the members of the team?
I. P A S Q R
II. Q S A T E
III. P E A S R
IV. B C A Q S

(a) I, III and IV

(b) I and II

(c) II and III

(d) I and IV

Answer: (d)

18. Marks of 8 teachers T1, T2, T3, T4, T5, T6, T7 and T8 are compared. Marks of only 3 teachers are less than T2. Marks of T6 are more than T7 but are not more than T8. Marks of T1 are not more than T4 and T5. Marks of T8 are less than T3.
If marks of T3 are more than only 3 teachers, then which of the following statement(s) is/are not correct?
I. Marks of maximum 5 teachers can be same
II. Marks of T5 are more than T4
III. Marks of T1 can be the maximum

(a) I and II

(b) Only III

(c) Only II

(d) I, II and III

Answer: (c)

19. 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 F are D.
II. Some D are G.
Conclusions:
I. Some G are D.
II. Some G are F.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) All conclusion follows

(d) Neither conclusion follows

Answer: (a)

20. 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 X are Y.
II. No Y is C.
Conclusions:
I. No C is X.
II. Some C are not Y.
III. Some X are not Y.

(a) Both conclusion I and III follows

(b) Both conclusion II and III follows

(c) Both conclusion I and II follows

(d) Neither conclusion follows

Answer: (c)

General Ability2

21. 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 blue are yellow.
II. Some red are black.
III. All red are yellow.
Conclusions:
I. Some black are yellow.
II. No red is blue.
III. Some blue are not black.

(a) Only conclusion II follows

(b) Both conclusion I and III follows

(c) Only conclusion I follows

(d) Neither conclusion follows

Answer: (c)

22. 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. No G is T.
II. No R is A.
III. Some A are G.
Conclusions:
I. No T is R.
II. Some A are not T.
III. Some A are not G.

(a) Both conclusion I and III follows

(b) Only conclusion II follows

(c) Only conclusion III follows

(d) Both conclusion II and III follows

Answer: (b)

23. 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 B are G.
II. All G are H.
III. All B are T.
Conclusions:
I. Some T are not H.
II. Some H are B.
III. Some T are G.

(a) Both conclusion I and II follows

(b) Neither conclusion follows

(c) Both conclusion II and III follows

(d) All conclusion follows

Answer: (c)

24. In the following question, select the related number from the given alternatives.
351 : 117 :: 216 : ?

(a) 78

(b) 75

(c) 72

(d) 71

Answer: (c)

25. By interchanging the given two signs and numbers which of the following equation will be incorrect?
+ and –; 4 and 2

(a) 2 × 3 ÷ 6 – 5 + 4 = 5

(b) 7 – 3 ÷ 6 × 4 + 2 = 3

(c) 4 + 3 ÷ 6 × 2 – 8 = –8

(d) 2 × 3 ÷ 6 + 9 – 4 = –5

Answer: (b)

General Awareness1

41. Chad Sukra (sowing festival) festival is associated with which state?

(a) Karnataka

(b) Haryana

(c) Meghalaya

(d) Assam

Answer: (c)

42. _____ is a double reed wind instrument.

(a) Sundari

(b) Khartal

(c) Santoor

(d) Surando

Answer: (a)

43. Which of the following monument is NOT [illegible] in Delhi?

(a) Kotla Feroz Shah

(b) Humayun's Tomb

(c) Safadarjung Tomb

(d) Fatehpur Sikri

Answer: (d)

44. _____ dance belongs to Mizoram.

(a) Baredi

(b) Karma

(c) Cheraw

(d) Yakshagana

Answer: (c)

45. 'Kamakhya temple' is located in which city?

(a) Bengaluru

(b) Guwahati

(c) New Delhi

(d) Jaipur

Answer: (b)

46. The economy in India is _____.

(a) Communist

(b) Mixed

(c) Socialist

(d) Capitalist

Answer: (b)

47. National Disposable Income =

(a) Net National Product at market prices + Other current transfers from the rest of the world

(b) Net National Product at factor cost + National debt interest

(c) Net National Product at market prices - Other current transfers from the rest of the world

(d) Net National Product at factor cost - National debt interest

Answer: (a)

48. Which of the following statement is correct regarding about the proportional income tax?
I. It acts as an automatic stabiliser.
II. Firms are taxed on a proportional basis, where the tax rate is a particular proportion of profits.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

49. What is the total liability of the monetary author of India, Reserve Bank of India is called?
I. Monetary Base
II. High powered money

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

50. Which of the following statements is correct regarding Balance of Payments?
I. Capital Account and Current account are its two primary components of it.
II. It is the systematic record of all economic transactions between the residents of a country with the rest of the world.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

52. Which of the following statement regarding modern periodic table is correct?
I. Atomic radius increases in moving left to right along the period.
II. Atomic size decreases down the group.

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

Answer: (d)

53. Which of the following is a characteristic of vertebrata?
I. They have a notochord
II. They are biploblastic
III. They are coelomate

(a) I and II
(b) II and III
(c) I and III
(d) I, II and III

Answer: (c)

54. Which of the following statement regarding sound is NOT correct?
I. The audible range of hearing for average human beings is 30Hz-30kHz.
II. Outer ear is called pinna.
III. Ultrasounds can be used to detect cracks and flov[illegible]n metal blocks.
IV. Frequencies higher than 15kHz are called ultraso[illegible].

(a) I, II and IV
(b) II and III
(c) I and IV
(d) Only III

Answer: (c)

55. Which of the following comprise the natural environment?
I. Land
II. Water
III. Plants
IV. Animals

(a) I and II
(b) II, III and IV
(c) III and IV
(d) I, II, III and IV

Answer: (d)

56. Which direction is indicated by the Pole star?
    (a) East
    (b) West
    (c) North
    (d) South
    Answer: (c)

57. Which layer of atmosphere is used in Radio Transmission?
    (a) Thermosphere
    (b) Exosphere
    (c) Troposphere
    (d) Mesosphere
    Answer: (a)

58. What is the approximate height of peak Nanga Parbat?
    (a) 8172 meters
    (b) 8598 meters
    (c) 8848 meters
    (d) 8126 meters
    Answer: (d)

59. Buddha belongs to which Varna?
    (a) Vaishya
    (b) Brahmin
    (c) Kshatriya
    (d) Shudra
    Answer: (c)

60. In _____ the Battle of Buxar took place.
    (a) 1764
    (b) 1857
    (c) 1757
    (d) 1864
    Answer: (a)

General Awareness2

61. Who established the Santiniketan?
    (a) Rabindranath Tagore
    (b) Motilal Nehru
    (c) Jawahar lal Nehru
    (d) Mahatma Gandhi
    Answer: (a)

62. Who formed the Swaraj Party?
I. C.R. Das
II. Motilal Nehru

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

Answer: (c)

63. Which of the following pair regarding Mughal ruler and their time period is correct?
I. Babur – 1526-1530
II. Akbar – 1556-1605

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

Answer: (c)

64. Who is known as the Missile Man of India?

(a) A P J Abdul Kalam
(b) Homi J. Bhabha
(c) Vikram Sarabhai
(d) Ratan Kumar Sinha

Answer: (a)

65. Raja Ram Mohan Roy award is associated with which field?

(a) Journalism
(b) Literature
(c) Environment Protection
(d) Science

Answer: (a)

66. 'Listening, Learning and Leading' book launched by Amit Shah is based on whom?

(a) Swami Ramdev
(b) Narendra Modi
(c) M. Venkaiah Naidu
(d) Sachin Tendulkar

Answer: (c)

67. Where are the head quarters of World Bank located?

(a) Washington DC
(b) Vienna
(c) Budapest
(d) Paris

Answer: (a)

68. Who is the author of the book 'Second night'?
    (a) Satbir Singh
    (b) Rajiv Dogra
    (c) Valay Singh
    (d) Raghuram Rajan
    Answer: (b)

69. Donald Trump is the _____ US president in history to be impeached.
    (a) first
    (b) fifth
    (c) third
    (d) second
    Answer: (c)

70. A seabed mining robot _____ got stranded in Pacific Ocean on April 29, 2021.
    (a) Pastang II
    (b) Patania II
    (c) Sarang II
    (d) Vyuga II
    Answer: (b)

71. Which country has the Chairmanship of BRICS in 2021?
    (a) Brazil
    (b) China
    (c) India
    (d) Russia
    Answer: (c)

72. Which of the following country has rank 1 in Corruptions Perceptions Index 2020?
    (a) Finland
    (b) Norway
    (c) Sweden
    (d) Denmark
    Answer: (d)

73. Which article of the Indian constitution deals with The President of India?
    (a) 52
    (b) 54
    (c) 55
    (d) 53
    Answer: (a)

74. Which of the following language is mentioned in the Eighth Schedule of the Indian constitution?
I. Dogri
II. Bodo

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

Answer: (c)

75. Which part of the Indian constitution deals with The Scheduled and Tribal Areas?

(a) X
(b) IX
(c) XI
(d) XII

Answer: (a)

76. In which year did the sixty first amendment of the Indian constitution take place?

(a) 1990
(b) 2002
(c) 1982
(d) 1988

Answer: (d)

77. Which of the following statement regarding the P sident is correct?
I. Article 54 of the Indian constitution deals with el on of President.
II. Article 58 of the Indian constitution deals w lifications for election as President.

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

Answer: (c)

78. Which of the following pair of sports – sportsperson is correct?
I. Kabaddi – Manoj Tiwary
II. Kabaddi – Ajay Thakur

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

Answer: (b)

79. Which country hosted the FIH Women's World Cup 2018?

(a) France

(b) Belgium

(c) England

(d) Netherlands

Answer: (c)

80. Which of the following pair of sports tournament – sport is correct?
I. Uber Cup – Badminton
II. Hopman Cup – Tennis

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

Arithmetic Ability1

81. The product of two numbers is 9000. If their Highest Common Factor is 45, then what is their Least Common Multiple?

(a) 200

(b) 400

(c) 250

(d) 300

Answer: (a)

85. Which of the following statement is correct?
I. 19 is that greatest number which when divides 307 and 330 leaves remainder 3 and 7 respectively.
II. Highest Commont Factor of (2/3), (4/9) and (5/6) is (1/18).

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

86. Selling price of an article is Rs. 6080 and discount of 36 percent is offered. What is the marked price?

(a) Rs. 9600

(b) Rs. 9500

(c) Rs. 9000

(d) Rs. 8800

Answer: (b)

87. A shopkeeper allows 10 percent discount on the marked price of an article and he suffers a loss of 10 percent. If the article is sold at marked price then, what will be the profit percentage?

(a) 5 percent
(b) 0 percent
(c) 10 percent
(d) 15 percent

Answer: (b)

88. Which of the following will have the highest discount percentage?

(a) Marked price = 4100, selling price = 3567
(b) Marked price = 5200, selling price = 4628
(c) Marked price = 6300, selling price = 5229
(d) Marked price = 5700, selling price = 4959

Answer: (c)

89. The average of the three numbers A, B and C is 52. A is 8 more than the average of B and C. B is 6 more than the average of B and C. What is the difference between A and C?

(a) 22
(b) 14
(c) 17
(d) 20

Answer: (b)

90. M is 40 percent less than N. If value of M is 600 then what is the value of N?

(a) 900
(b) 100
(c) 1000
(d) 1100

Answer: (c)

91. Rohit gives 30 percent of a amount to his wife, 20 percent to his daughter and 50 percent of the remaining part to his son. If Rohit is left with Rs.
1280, then how much amount did Rohit have in the beginning?

(a) Rs. 5200
(b) Rs. 5120
(c) Rs. 5510
(d) Rs. 5210

Answer: (b)

92. Which of the following statement is correct?
I. If A is 20 percent more than B and C is 35 percent less than B, then C will be 22 percent less than A.
II. Price of sugar is increased by 150 percent. To keep the expenditure same, the consumption of sugar should be decreased by 60 percent.

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

Answer: (b)

93. In a shop, there are four types of shirts, blue shirts are half of the black shirts. Brown shirts are (1/8) of Pink shirts. Black shirts are four times of Brown shirts. If Black shirts are 100, then Brown shirt and Pink shirt together are what percentage of the total number of shirts?

(a) 45 percent
(b) 50 percent
(c) 60 percent
(d) 47.5 percent

Answer: (c)

94. Raman sold an article for Rs. 400 at the loss of 37.5 percent. At what price he bought the article?

(a) 640
(b) 200
(c) 400
(d) 460

Answer: (a)

95. Selling price of an article is Rs. X and profit earned on this article is Rs. P. If selling price of this article becomes Rs. 2X, then profit earned on this article will become Rs. 5P. What is the initial profit percentage?

(a) 25 percent
(b) 33.33 percent
(c) 40 percent
(d) 16.66 percent

Answer: (b)

96. Aman sells an article at the profit of 25 percent. If he reduces the cost price and selling price both of this article by Rs. 200, then he will earn a profit of 50 percent. What is the initial cost price of this article?

(a) Rs. 200
(b) Rs. 400
(c) Rs. 300
(d) Rs. 500

Answer: (b)

97. If x : y : z = 2 : 1 : 3, then what is 3x : 2y : 4z?

(a) 3 : 1 : 6

(b) 6 : 1 : 3

(c) 3 : 1 : 7

(d) 5 : 3 : 2

Answer: (a)

98. Rs. 9400 is divided among X, Y and Z such that 3 times of X's share is equal to 4 times of Y's share which is equal to 5 times of Z's share. What is the share of Y?

(a) Rs. 4000

(b) Rs. 2400

(c) Rs. 3000

(d) Rs. 1200

Answer: (c)

99. A sum of Rs. 2752 is divided among X, Y and Z such that if Rs. 14, Rs. 10 and Rs. 8 be diminished from the shares of X, Y and Z respectively, then their shares will be in the ratio 8 : 6 : 3. What is the new share of Z?

(a) Rs. 480

(b) Rs. 488

(c) Rs. 498

(d) Rs. 504

Answer: (a)

100. Which of the following is correct?
I. 3 numbers are in the ratio 2 : 3 : 7. If the sum of the numbers is 288, then the smallest number is 48.
II. Ages of A and B are in ratio 5 : 7. After 5 years, their ages will be in ratio 3 : 4. The difference in the present ages is 10 years.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

Arithmetic Ability2

101. At Simple Interest, a certain sum amounts to Rs. 620 in 4 years and to Rs. 720 in 5 years. What is the sum?

(a) Rs. 100

(b) Rs. 220

(c) Rs. 400

(d) Rs. 450

Answer: (b)

102. Which of the following statement is correct?
I. If at compound interest(compounding annually) a sum of money becomes 3 times of itself in 6 years, then it will become 27 times of itself in 18 years.
II. If at Simple interest a sum of money becomes 3 times of itself in 8 years, then it will become 8 times of itself in 21 years.

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

Answer: (a)

103. A sum of Rs. 20000 is kept on compound interest for 2 years. The rate of interest is 20 percent per annum. If compounding is done half yearly, then what is the amount?

(a) Rs. 29282
(b) Rs. 26000
(c) Rs. 28000
(d) Rs. 30384

Answer: (a)

104. A train of length 450 metres crosses a platform in 77 seconds. If the speed of train is 36 km/hr, then what is the length of platform?

(a) 280 metres
(b) 320 metres
(c) 350 metres
(d) 380 metres

Answer: (b)

105. Q starts moving from a point at 9:00 AM at the speed of 50 km/hr. R starts from the same point moving in the same direction as Q at 9:30 AM. If R catches Q at 2:30 PM on the same day, then what is the speed of R?

(a) 45 km/hr
(b) 75 km/hr
(c) 60 km/hr
(d) 55 km/hr

Answer: (d)

106. Train A and B are 500 km apart. Speed of train A is 40 km/hr and speed of train B is 60 km/hr. Which of the following is correct?
I. Trains starts moving towards each other. Train A starts at 7:00 AM and train B at 8:00 AM. Before the trains meet, train A will cover 224 km.
II. Trains starts moving in same direction. Train B is coming towards train A. If they start at same time, then train B will travel 1500 km before catching train A.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

107. If a pipe can empty a completely filled tank in 40 hours, then this pipe can empty what part of the tank in one hour?

(a) 1/40

(b) 1/20

(c) 1/30

(d) 1/50

Answer: (a)

109. A can do a work alone in 20 days. B can do the same work alone in 30 days. They start working together and work for 3 days. What percent of work is completed?

(a) 25

(b) 30

(c) 50

(d) 40

Answer: (a)

110. 15 boys can complete a work in 12 days. They started the work together, but after 4 days 5 more boys joined this work. How many days will these 20 boys take to complete the remaining work?

(a) 10 days

(b) 8 days

(c) 6 days

(d) 5 days

Answer: (c)

111. The height of a cone is four times of its radius. If the cone is melted to form a sphere, then what is the ratio of the radius of the sphere to the radius of the cone?

(a) 1 : 1

(b) 2 : 1

(c) 1 : 4

(d) 4 : 1

Answer: (a)

112. Which of the following statement is correct?
I. A spherical lead ball of radius 6 cm is melted and small lead balls of radius 3 mm are made. Total possible number of small balls is 6000.
II. A circular wire of radius 49 cm is cut and bent in the form of a rectangle whose sides are in the ratio of 4 : 7. Smaller side of rectangle is 56 cm.

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

Answer: (b)

113. Which of the following statement is correct?
I. The perimeter of a rectangular plot is 48 metre and area is 108 metre 2 . The dimensions of the plot are 18 metre and 6 metre.
II. If the radius of a cylinder is doubled and the height remains same, the volume will be 2 time.

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

Answer: (a)

120. There is a leak in the bottom of the tank. This leak can empty a full tank in 8 hours. When the tank is full, a tap-in is opened into the tank which adds 10 liters per hour into the same tank and the tank is then emptied in 12 hours. What is the capacity of the tank?

(a) 280 liters
(b) 250 liters
(c) 200 liters
(d) 240 liters

Answer: (d)

General English1

121. Find the part of the given sentence that has an error in it. If there is no error then choose 'no error' (choose 4).
Please wait for (1)/a while, my (2)/mother cooks food (3)/.No error (4)

(a) 1
(b) 2
(c) 3
(d) 4

Answer: (c)

122. Find the part of the given sentence that has an error in it. If there is no error then choose 'no error' (choose 4).
You cannot make it (1)/at time because (2)/of traffic problems (3)/.No error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

123. Find the part of the given sentence that has an error in it. If there is no error then choose 'no error' (choose 4).
Neither of the workers (1)/in the office (2)/are coming to work (3)/.No error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (c)

124. Find the part of the given sentence that has an error in it. If there is no error then choose 'no error' (choose 4).
I can assure you that staying at (1)/ home is one of the most effective way (2) to slow the spread of this virus (3)/.No error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (d)

125. Find the part of the given sentence that has an error in it. If there is no error then choose 'no error' (choose 4).
The color of your chair would change (1)/from red to blue whether you modified (2)/the molecular structure of its dye (3)/.No error (4)

(a) 1

(b) 2

(c) 3

(d) 4

Answer: (b)

126. Select the option that is the improvement needed in the bracketed part of the sentence. If no improvement is needed then select No improvement.
We can make this world (more beautiful) for us.

(a) much beautiful

(b) more beauty

(c) too beautiful

(d) No improvement

Answer: (d)

127. Select the option that is the improvement needed in the bracketed part of the sentence. If no improvement is needed then select No improvement.
I was still standing in the queue when the (play was starting).

(a) play started

(b) play had started

(c) play start

(d) No improvement

Answer: (a)

128. Select the option that is the improvement needed in the bracketed part of the sentence. If no improvement is needed then select No improvement.
The mother of a three-year-old girl has (died from) cancer.

(a) die from

(b) died of

(c) died with

(d) No improvement

Answer: (b)

129. Select the option that is the improvement needed in the bracketed part of the sentence. If no improvement is needed then select No improvement.
Suman (would have been looked) gorgeous in modern clothes.

(a) would have looked

(b) would has looked

(c) will have look

(d) No improvement

Answer: (a)

130. Select the option that is the improvement needed in the bracketed part of the sentence. If no improvement is needed then select No improvement.
She was (compelled off make) an application to avoid automatic suspension under the rule.

(a) compelled for making

(b) compelled to make

(c) compel to make

(d) No Improvement

Answer: (b)

131. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
The goons _____ me rapidly and hard.

(a) hit

(b) calm

(c) pass

(d) impact

Answer: (a)

132. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
Beets produce chemical compounds _____ betalains.

(a) asked
(b) say
(c) told
(d) called

Answer: (d)

133. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
If I _____ your sister, I would have given my dress to you.

(a) am
(b) were
(c) was
(d) is

Answer: (b)

134. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
I am looking forward to _____ your parents.

(a) watch
(b) meeting
(c) stretching
(d) hear

Answer: (b)

135. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
He cannot make it to the meeting _____ he has taken ill.

(a) that
(b) lest
(c) because
(d) rather

Answer: (c)

136. Rearrange the parts of the sentence in the correct order.
The merchants cheated
P. continuing to receive
Q. the law by
R. in by pirates
S. currency smuggled

(a) PSQR
(b) QPSR
(c) PRQS
(d) SRQP

Answer: (b)

137. Rearrange the parts of the sentence in the correct order.
The perception of
P. monopoly drove the
Q. conservative colonial
R. traders into an
S. alliance with radicals

(a) SQRP
(b) QRPS
(c) PQRS
(d) RPQS

Answer: (c)

138. Rearrange the parts of the sentence in the correct order.
The government's efforts
P. only to unite
Q. the people
R. to punish, served
S. and instigate the war

(a) PRQS
(b) SRQP
(c) PQRS
(d) RPQS

Answer: (d)

139. 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. Paul Revere was one of America's greatest artists in silver.
Q. Although it was in metal that Revere did most of his work, his energy and skill turned him in many directions.
R. He not only made silver articles but also crafted surgical instruments and engraved copper plates.
S. As a boy Revere received sufficient education to enable him to read the metallurgical books.

(a) PSQR
(b) QPSR
(c) PRQS
(d) SRQP

Answer: (a)

140. Choose the word that means the same as the given word.
Scornful

(a) Surround
(b) Arrogant
(c) Surmount
(d) Apathy

Answer: (b)

General English2

141. Choose the word that means the same as the gi word.
Scribble

(a) Portray
(b) Phish
(c) Doodle
(d) Prattle

Answer: (c)

142. Choose the word that is opposite in meaning to the given word.
Grieve

(a) Mourn
(b) Pleasing
(c) Wit
(d) Rejoice

Answer: (d)

143. Choose the word that is opposite in meaning to the given word.
Graphic

(a) Sketchy
(b) Demean
(c) Release
(d) Rejoin

Answer: (a)

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

(a) Oportunity
(b) Opportunity
(c) Opporrtunity
(d) Opurtunity

Answer: (b)

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

(a) Guerilla
(b) Guerrila
(c) Guerrilla
(d) Guerila

Answer: (c)

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

(a) Squaddron
(b) Squadrron
(c) Squoadron
(d) Squadron

Answer: (d)

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

(a) Incomprehensible
(b) Incomprehennsible
(c) Incomprehenssible
(d) Incommprehensible

Answer: (a)

148. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Make mouth water

(a) Quarrelling with someone
(b) Make someone hungry
(c) Make someone livid
(d) To avoid argument

Answer: (b)

149. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Hold Your Horses

(a) To run a marathon
(b) Easily flourishing
(c) Be patient
(d) Aggressive ownership

Answer: (c)

150. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Have an axe to grind

(a) Giving undue importance to something
(b) Find something complicated
(c) Something to complain about
(d) React optimistically

Answer: (c)

151. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Bite Your Tongue

(a) To chat loudly
(b) Making something worse
(c) To injure oneself
(d) Avoid talking

Answer: (d)

152. Choose the word that can substitute the given sentence.
That which cannot be noticed

(a) Imperceptible
(b) Impracticable
(c) Inimitable
(d) Improbable

Answer: (a)

153. Choose the word that can substitute the given sentence.
Thing no longer in use

(a) Cynic
(b) Obsolete
(c) Omnipotent
(d) Plutocracy

Answer: (b)

154. Choose the word that can substitute the given sentence.
One who eats too much

(a) Obese
(b) Sacrilege
(c) Illegible
(d) Glutton

Answer: (d)

155. Choose the word that can substitute the given sentence.
One who acts on behalf of organization

(a) Delegate
(b) Sage
(c) Celebrity
(d) Celibacy

Answer: (a)

158. When was the Rubik's cube first marketed?

(a) 1944
(b) 1984
(c) 1980
(d) 1977

Answer: (d)

160. The synonym of the word "imitation" is?

(a) Facade
(b) Facsimile
(c) Faeces
(d) Ferocious

Answer: (b)

Answer key

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

General Ability1

1	**(c)**	2	**(d)**	3	**(a)**	4	**(b)**	5	**(b)**	6	**(d)**
7	**(c)**	8	**(b)**	9	**(d)**	10	**(b)**	11	**(c)**	12	**(b)**
13	**(d)**	14	**(d)**	15	**(a)**	16	**(d)**	17	**(d)**	18	**(c)**
19	**(a)**	20	**(c)**								

General Ability2

21	**(c)**	22	**(b)**	23	**(c)**	24	**(c)**	25	**(b)**

General Awareness1

41	**(c)**	42	**(a)**	43	**(d)**	44	**(c)**	45	**(b)**	46	**(b)**
47	**(a)**	48	**(c)**	49	**(c)**	50	**(c)**	52	**(d)**	53	**(c)**
54	**(c)**	55	**(d)**	56	**(c)**	57	**(a)**	58	**(d)**	59	**(c)**
60	**(a)**										

General Awareness2

61	**(a)**	62	**(c)**	63	**(c)**	64	**(a)**	65	**(a)**	66	**(c)**
67	**(a)**	68	**(b)**	69	**(c)**	70	**(b)**	71	**(c)**	72	**(d)**
73	**(a)**	74	**(c)**	75	**(a)**	76	**(d)**	77	**(c)**	78	**(b)**
79	**(c)**	80	**(c)**								

Arithmetic Ability1

81	**(a)**	85	**(c)**	86	**(b)**	87	[illegible]	3	**(c)**	89	**(b)**
90	**(c)**	91	**(b)**	92	**(b)**	93	**(c)**	94	**(a)**	95	**(b)**
96	**(b)**	97	**(a)**	98	**(c)**	99	**(a)**	100	**(c)**		

Arithmetic Ability2

101	**(b)**	102	**(a)**	103	**(a)**	104	**(b)**	105	**(d)**	106	**(c)**
107	**(a)**	109	**(a)**	110	**(c)**	111	**(a)**	112	**(b)**	113	**(a)**
120	**(d)**										

General English1

121	**(c)**	122	**(b)**	123	**(c)**	124	**(d)**	125	**(b)**	126	**(d)**
127	**(a)**	128	**(b)**	129	**(a)**	130	**(b)**	131	**(a)**	132	**(d)**
133	**(b)**	134	**(b)**	135	**(c)**	136	**(b)**	137	**(c)**	138	**(d)**
139	**(a)**	140	**(b)**								

General English2

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