PREVIOUS YEAR PAPER

DSSSB Junior Clerk 2021 — 15 November 2021, Shift 3

DSSSB Junior Assistant / Junior Clerk · 15 November 2021 · Shift 3

132 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: 68 (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 15 November 2021, Shift 3. 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-15-nov-shift-3/

General Ability1

1. The series is given, with one term missing. Choose amongst the given responses and complete the series.
ZY, UT, PO, KJ,?

(a) DE
(b) ED
(c) GF
(d) FE

Answer: (d)

2. What comes in place of question mark (?) in the fo wing letter series?
ZYXWVU, YXWVUZ, ?, WVUZYX, VUZYXW

(a) XWVUZY
(b) XWVUYZ
(c) XWUVZY
(d) XVWUZY

Answer: (a)

3. From the given responses, find the missing letter in the series.
C, E, I, K, O, Q, ?

(a) R
(b) S
(c) T
(d) U

Answer: (d)

4. From the given responses, find the missing letter in the series.
_ f f _ e _ f g _ _ f _

(a) ggegeg
(b) eeggee
(c) egfefg
(d) geefge

Answer: (c)

5. Select the option that is related to the third word in the same way as the second word is related to the first word.
Potato : Starch :: fructose : ?

(a) Salt
(b) Milk
(c) Butter
(d) Sugar

Answer: (d)

6. Select the related letters from the given alternatives.
JNPR : OSUW : : HLNP : ?

(a) PTXY
(b) LMOR
(c) MQSU
(d) EJKP

Answer: (c)

7. Select the related letters from the given alternatives.
ROCK:CROK :: ?

(a) BALE: ELAB
(b) COLD: DOLC
(c) MEAN : AEMN
(d) CHIN : ICHN

Answer: (d)

8. Select the related letters from the given alternatives.
COMPUTER: FQPRXVHT:: LANGUAGE:?

(a) OXPIXDIG
(b) OCQICYIG
(c) OCQIXCJG
(d) OCQIXCIG

Answer: (c)

9. If 'Profit' is called 'Loss', 'Loss' is called 'Percentage', 'Percentage' is called 'cost price' and 'cost price' is called 'discount', then profit or loss calculate on ?

(a) Loss
(b) Percentage
(c) discount
(d) Profit

Answer: (c)

10. In a certain code language, if the value of ‘INVADER’ = 42 and ‘SECURE’ = 30, then what is the value of word ‘SITUATION’?

(a) 81
(b) 90
(c) 63
(d) 72

Answer: (d)

11. In a certain code language, "PEN" is written as "1120", then how will "BAT" be written in that code language?

(a) 40
(b) 41
(c) 42
(d) 39

Answer: (a)

12. In a certain code, POSTER is written as OP1SF9, COWARD is written as BP5ZS4. How is RIBBON written in that code?

(a) QJ2AP6
(b) QH2AP4
(c) QJ3AP4
(d) QJ2AP5

Answer: (d)

13. In a certain code language, ‘1357’ mean[illegible]ve a[illegible]ery happy', ‘2639’ means ‘they are extremely lucky’ and ‘794’ means ‘happy and lucky', the[illegible]h digit in that code language stands for ‘and’?

(a) 7
(b) 9
(c) 4
(d) 3

Answer: (c)

14. Abhimanyu is son of Anil’s father’s sister. Prakash is son of Trisha,who is mother of Vikash and grandmother of Anil. Hansh is father of Neela and grandfather of Abhimanyu. Trisha is wife of Hansh.
How is Abhimanyu related to Trisha?

(a) Grandson
(b) Son
(c) Father
(d) Brother

Answer: (a)

15. Five Athletes — Bevan, Bailley, Johnson, Jackson and Robert participated in a 100 m race and finished the race at five different timings, not necessarily in the same order. Exactly two athletes finished the race between Beven and Bailley and two athletes finished the race between Jackson and Johnson.
Who is the third athlete to finish the race?

(a) Bailley
(b) Johnson
(c) Robert
(d) Bevan

Answer: (c)

16. In a row of students, A is 7th from left and B is 14th from right and the number of students sitting between them is one-fourth of the total numbers of students. Find the total number of students in the row.

(a) 28
(b) 20
(c) 16
(d) 50

Answer: (a)

17. A man reached the station at 5:30 p.m. and asked the enquiry clerk regarding the availability of trains, for Warangal. The clerk replied that trains for Warangal are scheduled every 100 minutes and the previous one had left 24 minutes ago. When is the next train for Warangal scheduled to leave?

(a) 6:36 p.m.
(b) 6:44 p.m.
(c) 6:56 p.m.
(d) 6:46 p.m.

Answer: (d)

18. Among five persons Sunny, Swati, Somya, Surbhi and Sapna, Swati was elder to Somya but younger to Sunny. Surbhi was elder to Sunny, who was elder to Sapna, who was not the youngest. Who among them was the youngest?

(a) Surbhi
(b) Sunny
(c) Swati
(d) Somya

Answer: (d)

19. In the question, below are two statements followed by two conclusions numbered I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement:
1. All philosophers are men.
2. Socrates was a philosopher.
Conclusion:
I. Socrates was a man.
II. Women cannot become philosophers.

(a) Only I is valid

(b) Only II is valid

(c) Both are not valid

(d) Both are valid

Answer: (d)

20. In the question, below are three statements followed by two conclusions numbered I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement:
All kites are sky
All sky is blue
No sky is white
Conclusion:
(I) No kite is white
(II) No blue is white

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If both conclusions follow

Answer: (a)

General Ability2

21. In the question, below are two statements followed by two conclusions numbered I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statements:
Some hands are legs.
All legs are eyes.
Conclusions:
I. Some hands are eyes.
II. Some eyes are legs.

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or conclusion II follows

(d) If both conclusions I and conclusion II follow

Answer: (d)

22. In the question, below are three statements followed by two conclusions numbered I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statements:
Some areas are perimeters.
Some perimeters are sectors.
Some sectors are arcs.
Conclusions:
I. Some areas are sectors.
II. Some perimeter are arcs.

(a) If only I follows

(b) If only II follows

(c) If either I or II follows

(d) If neither I nor II follows

Answer: (d)

23. Consider the given statement/s to be true and decide which of the given conclusions/ assumptions can definitely be drawn from the given statement.
Statement: St. Joseph's is the strictest school in the city. Despite this, the school reports an abnormally large number of children arrested for small crimes. The number of juvenile delinquents reported by other schools in the city is insignificant, even though students across all schools come from similar family backgrounds.
Conclusion I: Strictness is not enough to discipline a child and prevent him/her from committing wrongdoings.
Conclusion II: It is possible that the too much of strictness is counter-productive when it comes to disciplining children.

(a) Only conclusion I is correct

(b) Only conclusion II is correct

(c) Both conclusions I and II are correct

(d) Neither conclusion I nor II is correct

Answer: (c)

24. Select the missing number from the given responses.
9, 21, ?, 93, 189

(a) 39

(b) 45

(c) 30

(d) 48

Answer: (b)

25. In the following question, a group of three numbers are given. The given numbers are related to each other by a logic /rule /relation. Select the one which follows the same logic /rule/relation from the given alternatives.
(9, 36, 16)

(a) (5, 40, 49)

(b) (6, 80, 25)

(c) (8, 40, 25)

(d) (7, 65, 81)

Answer: (c)

26. Insert mathematical operations in place of stars (*) to satisfy the given equation.
7 * 7 * 2 * 1 = 12

(a) × - ÷

(b) + - ×

(c) × - +

(d) + × -

Answer: (b)

27. If '+' stands for 'division', '-' stands for 'equal to', '×' stands for 'addition', '÷' stands for 'greater than', '=' stands for 'less than', '>' stands for 'multiplication', and '<' stands for 'subtraction', then which of the following alternatives in correct?

(a) 5 + 2 × 1 = 3 + 4 > 1

(b) 5 > 2 × 1 – 3 > 4 < 1

(c) 5 × 2 < 1 – 3 < 4 × 1

(d) 5 < 2 × 1 ÷ 3 > 4 × 1

Answer: (b)

36. If you are facing North-East and move 10 m forward then turn left and move 7.5 m, then you are:

(a) 13 m away from your initial position

(b) 11 m away from your initial position

(c) 12 m away from your initial position

(d) 12.5 m away from your initial position

Answer: (d)

General Awareness1

41. In which of the following places is the Raniji ki baori?

(a) Kota

(b) Bundi

(c) Jhalawar

(d) Tonk

Answer: (b)

42. Which of the following is Kaushiki Chakraborty associated with?
(a) Sitar
(b) Sarod
(c) Tabla
(d) Vocal
Answer: (d)

43. Which of the following rulers had constructed the large reservoir called Hauz-i-Sultani?
(a) Qutb-ud-din-Aibak
(b) Ala-ud-din-Khilji
(c) Iltutmish
(d) Balban
Answer: (c)

44. In which of the following Indian states is the Bathukamma festival celebrated?
(a) Telangana
(b) Tamil Nadu
(c) Karnataka
(d) Kerala
Answer: (a)

45. In which of the following places is the Tarangame[illegible]nce popular?
(a) Gujarat
(b) Goa
(c) Punjab
(d) Uttar Pradesh
Answer: (b)

46. From which year was the Unified Payments Interface (UPI) launched by National Payments Corporation of India (NPCI)?
(a) 2014
(b) 2015
(c) 2016
(d) 2017
Answer: (c)

47. Which of the following actions cannot be done by an Aadhaar Enabled Payment System (AEPS)?
(a) Cash Withdrawal
(b) Cash Deposit
(c) Balance Enquiry
(d) Buying on credit
Answer: (d)

48. According to the Economic Survey 2020, which of the following has increased access of the poorest to pre-natal and post-natal care as well as institutional deliveries?

(a) NHM
(b) Ayushman Bharat
(c) PM-JAY
(d) PM-CARES Fund

Answer: (a)

49. As per the Union Budget 2021, what is the ceiling of net borrowing for the states for the year 2021-2022?

(a) 3% of GSDP
(b) 5% of GSDP
(c) 6% of GSDP
(d) 4% of GSDP

Answer: (d)

50. In which of the following circumstances high Fiscal deficit could be good for an economy?

(a) When external grants increases
(b) When mode of interest payment decreases
(c) If the spending on productive assests increases
(d) When GST collection decreases

Answer: (c)

51. When we look at the glazed portion of a CD, we e multiple colours. What is this phenomenon called?

(a) Reflection of light
(b) Refraction of light
(c) Dispersion of light
(d) Total internal reflection of light

Answer: (c)

52. Which of the following chemicals are present in heads of safety matches?

(a) Red phosphorus and white phosphorus
(b) Antimony trisulphide and potassium chlorate
(c) Potassium chloride and phosphorus trisulphate
(d) Antimony chlorate and red phosphorus

Answer: (b)

53. What is the unit of calorific value of a fuel?

(a) kilojoule per kg
(b) joule-kg
(c) kilojoule
(d) kg per joule

Answer: (a)

54. Which of the following category of micro-organisms do Leishmania fall under that causes kala-azar?

(a) Bacteria

(b) Virus

(c) Protozoa

(d) Fungus

Answer: (c)

55. What is the approx length of the Ganga River ?

(a) 1,450 km

(b) 2,525 km

(c) 3,560 km

(d) 8,848 km

Answer: (b)

56. Which of the following is the most populous country in the world?

(a) India

(b) China

(c) Bangladesh

(d) Japan

Answer: (b)

57. Why does the eastern coast has less number of p s and harbours?

(a) The eastern coast suffers from poor econon growth

(b) Because of its emergent nature and continental shelf, it's difficult to build good ports and harbours

(c) The eastern coast is filled with deep gorges which makes it difficult to build ports and harbours

(d) The western coast has extremely low population density so building ports and harbours will not be benefiting

Answer: (b)

58. Which of the following type of forests are found in the western slope of the Western Ghats, hills of the northeastern region and the Andaman Nicobar Islands?

(a) Tropical Evergreen and Semi Evergreen forests

(b) Montane forests

(c) Tropical thorn forests

(d) Tropical deciduous forests

Answer: (a)

59. Which of the following dynasty's rulers were known as the 'Lords of the dakshinpatha'?
    (a) Guptas
    (b) Mauryas
    (c) Satavahanas
    (d) Palas
    Answer: (c)

60. Who had composed the Tamil epic called Manimekalai?
    (a) Sattanar
    (b) Kovalan
    (c) Ilango
    (d) Kambar
    Answer: (a)

General Awareness2

61. In which year did the Chahamana ruler Prithviraj III defeat Sultan Muhammad Ghori?
    (a) 1191 AD
    (b) 1192 AD
    (c) 1193 AD
    (d) 1194 AD
    Answer: (a)

62. In which year was the Arms Act passed by the [illegible]sh, disallowing Indians from possessing arms?
    (a) 1877
    (b) 1878
    (c) 1879
    (d) 1880
    Answer: (b)

63. Who out of the following Mughal emperors was assassinated by his nobles?
    (a) Alamgir II
    (b) Shah Alam II
    (c) Ahmad Shah
    (d) Bahadur Shah Zafar
    Answer: (a)

64. Who is the first physician in India to create a test-tube baby?
    (a) Dr. Devi Sethi
    (b) Dr. Subhash Mukherjee
    (c) Dr. Rajeev Ghosh
    (d) Dr. Sayan Majumder
    Answer: (b)

65. Who is the director of NCRB (National Crime Records Bureau)?

(a) Vijay Singh
(b) Prashun Gupta
(c) Ramphal Pawar
(d) Dhirendra Kumar Yadav

Answer: (c)

66. Where is the headquarters of IORA (Indian Ocean Rim Association) situated?

(a) Ebene
(b) Abu Dhabi
(c) Port Louis
(d) Male

Answer: (a)

67. Which of the following dates has been declared as International Anti-Corruption Day by the United Nations?

(a) 9th December
(b) 15th January
(c) 24th August
(d) 3rd April

Answer: (a)

68. How many members belong to the group of SAA[illegible]?

(a) 6
(b) 7
(c) 8
(d) 9

Answer: (c)

69. Where was the Indian Science Congress held in 2020?

(a) Delhi
(b) Hyderabad
(c) Bengaluru
(d) Mumbai

Answer: (c)

71. Where is the COP 26 UN Climate Change Conference being organised /was organised?

(a) Paris
(b) Brasilia
(c) Glasgow
(d) Geneva

Answer: (c)

72. Which state has bagged the top position in the composite ranking for good governance index (GGI) 2019?

(a) Maharashtra
(b) Kerala
(c) Karnataka
(d) Tamil Nadu

Answer: (d)

73. Which of the following articles of the Indian Constitution is related to the right against exploitation?

(a) Articles 18 and 19
(b) Articles 20 and 21
(c) Articles 22 and 23
(d) Articles 23 and 24

Answer: (d)

74. Which of the following parts of the Indian Constitution is related to the amendments to the Constitution?

(a) Part XIX
(b) Part XX
(c) Part XXI
(d) Part XXII

Answer: (b)

75. In which year had M. N. Roy suggested the mation of a Constituent Assembly?

(a) In 1932
(b) In 1933
(c) In 1934
(d) In 1935

Answer: (c)

76. Which Constitutional Amendment had converted Dadra and Nagar Haveli into a union territory?

(a) 10th
(b) 11th
(c) 12th
(d) 13th

Answer: (a)

77. Which of the following was the first state to establish the Panchayati Raj system in India?

(a) Tamil Nadu
(b) Uttar Pradesh
(c) Maharashtra
(d) Rajasthan

Answer: (d)

78. Which of the following sports is Thomas Mueller related to?
(a) Football
(b) Hockey
(c) Tennis
(d) Swimming
Answer: (a)

79. Which of the following teams has won the Indian Super League 2020-21?
(a) Bengaluru FC
(b) Mumbai City FC
(c) Chennaiyin FC
(d) Kerala Blasters FC
Answer: (b)

80. Where will the 2022 FIFA World Cup be held?
(a) Japan
(b) USA
(c) Qatar
(d) Saudi Arab
Answer: (c)

Arithmetic Ability1

81. When a number n is divided by 12, it gives a rem ,der of 7. What will be the remainder if 3n is divided by 12?
(a) 8
(b) 5
(c) 7
(d) 9
Answer: (d)

82. L.C.M. of two numbers is 12 time their H.C.F. The sum of H.C.F. and L.C.M. is 403. If one of the numbers is 124, then find the other.
(a) 93
(b) 76
(c) 112
(d) 64
Answer: (a)

83. HCF and LCM of two numbers are 21 and 4284 respectively. If one of the numbers lies between 200 and 300, then what will be the sum of two numbers?

(a) 609
(b) 735
(c) 483
(d) 567

Answer: (a)

86. When a 15 percent discount is given on an article, then its selling price is Rs. 2975. What will be its selling price if two successive discounts of 10 percent and 5 percent are given?

(a) Rs. 3005.5
(b) Rs. 3028.4
(c) Rs. 2992.5
(d) Rs. 3175.6

Answer: (c)

87. An item was marked up by 40 percent and after that a discount of 20 percent is given on it. If cost price was Rs. 425, then what was the profit?

(a) Rs. 51
(b) Rs. 67
(c) Rs. 42
(d) Rs. 48

Answer: (a)

88. Mean of four numbers A, B, C and D is [illegible]5 an[illegible]eir median is 25. If A > B > C > D and the value of A is 30, then find the value of D.

(a) 10
(b) 15
(c) 20
(d) 25

Answer: (a)

89. A shopkeeper has 20 kg flowers costing Rs. 50 per kg and 30 kg flowers costing Rs. 40 per kg. What is the average cost price of the flowers?

(a) Rs. 43
(b) Rs. 44
(c) Rs. 45
(d) Rs. 46

Answer: (b)

90. If a fractional number 'N' is reduced by 60 percent, then in the resultant fraction, its denominator becomes 20 more than double the original denominator, but numerator remains the same.Then, fraction is

(a) Original Numerator/20

(b) Original Numerator/40

(c) Original Numerator/50

(d) Original Numerator/80

Answer: (b)

91. The weight of an iron bucket increases by 33.33 percent when it is filled with water to 50 percent of its capacity.What is the weight of iron used in making of bucket if it can hold 36 kg water?

(a) 54 kg.

(b) 90 kg.

(c) 45 kg.

(d) 48 kg.

Answer: (a)

92. If the length, breadth and height of a cube are increased by 10 percent, 10 percent and 20 percent respectively, then by what percent its surface area will increase?

(a) 17.66 percent

(b) 15.66 percent

(c) 24.33 percent

(d) 28.33 percent

Answer: (d)

93. The ratio of males and females in a city is and the percentage of children among males and females is 25 percent and 20 percent, respectively.
If the number of adult females in the city is 156800, then what is the total population?

(a) 245000

(b) 367500

(c) 196000

(d) 171500

Answer: (b)

94. By selling an article for Rs. 4539 a shopkeeper incurs 11 percent loss after giving a discount of 10 percent. What should be the marked price if he wants to earn 20 percent profit after giving a discount of 20 percent?

(a) Rs. 8400

(b) Rs. 7650

(c) Rs. 6200

(d) Rs. 7820

Answer: (b)

95. A man purchased 120 kg of sugar and was forced to sell it at a loss equal to the selling price of 30 kg of sugar. If he purchased each kilogram of sugar for Rs. 15, then at what price did he sell each kilogram of sugar?

(a) Rs. 12

(b) Rs. 15

(c) Rs. 20

(d) Rs. 10

Answer: (a)

96. A person is selling sugar at a profit of 10 percent but he is using a weighing machine that shows 950 g instead of 1 Kg. What isthe actual percentage profit?

(a) 5 percent

(b) 4.5 percent

(c) 3.6 percent

(d) 2 percent

Answer: (b)

97. A mixture contains sugar, salt and pepper in the ratio of 4 : 3 : 5. Find the quantity of salt to be added to 60 g of this mixture to form a new mixture in which the ratio of the above ingredients in the same order is 4 : 4 : 5.

(a) 5 g

(b) 12 g

(c) 10 g

(d) 8 g

Answer: (a)

98. The mean proportional of two numbers is 12 more than the first number and 36 less than the second number. Find the sum of all three numbers.

(a) 60

(b) 84

(c) 92

(d) 78

Answer: (d)

99. A and B start a business with investments of Rs. 54,000 and Rs. 81,000 respectively. After 6 months A invests Rs. P more in the business. If at the end of the year the profit was distributed equally, then what is the value of P?

(a) Rs. 1,36,000

(b) Rs. 92,000

(c) Rs. 1,08,000

(d) Rs. 1,20,000

Answer: (c)

100. In two alloys of gold and silver, the ratios of gold to silver are 4 : 5 and 5 : 6 respectively. If both alloys are mixed in equal quantity, then what will be the ratio of gold to silver in the new mixture?

(a) 89 : 109

(b) 175 : 543

(c) 3 : 5

(d) 10 : 18

Answer: (a)

Arithmetic Ability2

101. A sum of Rs. 2175 is lent at a certain rate of interest for 8 months and a sum of Rs. 725 is lent but at thrice the former rate for 4 months. A total Rs. 282.75 is earned as interest from both the loans. At what interest rate (per year) was the amount of Rs. 2175 given?

(a) 13 percent

(b) 10 percent

(c) 12.5 percent

(d) 15 percent

Answer: (a)

102. An amount deposited on compound interest becomes Rs. 4800 after two years and Rs. 6000 after three years. Find the amount that it will become after four years.

(a) Rs. 8100

(b) Rs. 7500

(c) Rs. 9000

(d) Rs. 7200

Answer: (b)

103. A person borrowed Rs. 30000 at the rate of 7 percent per annum on compound interest for a certain time. If he paid Rs. 4347 as interest, then what is the time (in years) for which he borrowed money?

(a) 2

(b) 5/2

(c) 3

(d) 4

Answer: (a)

104. A, B and C participated in a race. A covers the same distance in 49 steps, as B covers in 50 steps and C covers in 51 steps. In the same, A takes 10 steps, B takes 9 steps and C takes 8 steps. Who is the winner of the race?

(a) A

(b) B

(c) C

(d) Can't be determined

Answer: (a)

105. In covering a distance of 60 km, Anuj takes 2 hours more than Bhai. If Anuj doubles his speed, then he would take 1 hour less than Bhai. What is the speed of Anuj?

(a) 14 km/hr

(b) 10 km/hr

(c) 7 km/hr

(d) 8 km/hr

Answer: (b)

106. Kush completes a journey in 10 hours. He travels half of the distance at the speed of 21 km/hr and remaining distance at the speed of 24 km/hr.
What is the total distance traveled by him?

(a) 220 km

(b) 224 km

(c) 230 km

(d) 234 km

Answer: (b)

107. Two pipes A and B can fill a tank in 20 minutes and 24 minutes respectively. Pipe C can empty the tank in 30 minutes. First A and B are opened and after 7 minutes, C is opened. What will be the total time in which the tank will filled up to 70 percent ?

(a) 13 min

(b) 8 min

(c) 7 min

(d) 15 min

Answer: (b)

108. John can do a work in 55 days. Johny is 20 percent less efficient than John. Find the time to complete the work if they work together.

(a) 39 days

(b) 34 days

(c) 30 days

(d) 26 days

Answer: (c)

109. A certain contract work can be completed by 24 men in 72 days working 8 hours per day. They worked for 24 days and then some more men joined them and all of them working at the rate of 6 hours per day and completed the remaining work in another 48 days. How many more men joined?

(a) 8

(b) 12

(c) 32

(d) 16

Answer: (a)

110. A tank is filled with water and has a leak which can empty it in 9 hours. A tap is turned on which admits 10 liters water in a minute into the tank and now it takes 12 hours to empty. How much water the tank can hold?

(a) 7860 liters

(b) 7200 liters

(c) 86400 liters

(d) 21600 liters

Answer: (d)

111. In a circular ground of diameter 175 m, a rectangular football court of breadth 105 m is constructed and vertices of the court lie on the circumference of the ground. How much area is the left after the construction of football court?

(a) 7448.5 sq. m

(b) 12264.5 sq. m

(c) 9362.5 sq. m

(d) 6684.5 sq. m

Answer: (c)

112. What will be the area of a rhombus (in sq cm) whose one side is 39 cm and a diagonal is 72 cm?

(a) 1080

(b) 672

(c) 1296

(d) 864

Answer: (a)

113. The radius of a hemisphere is 5 cm. The [illegible]of base of a cone is equal to the radius of the hemisphere and height is 10 cm. What is the ratio of volume of hemisphere to volume of the cone?

(a) 2 : 1

(b) 1 : 2

(c) 3 : 4

(d) 1 : 1

Answer: (d)

114. A magician wants to hide his magical rod inside a cubical box whose total surface area is 4050 sq. cm. What can be the maximum length of rod?

(a) 50 cm

(b) 45 cm

(c) 30 cm

(d) 28 cm

Answer: (b)

General English1

121. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.
In 2018, Ramjee was presented with the Outstanding Female Scientist Award in Lisbon for her lifetime commitment for find new HIV prevention methods.

(a) In 2018, Ramjee was presented with

(b) the Outstanding Female Scientist Award in Lisbon for her lifetime

(c) commitment for find new HIV prevention methods.

(d) No Error

Answer: (c)

122. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.
Professional colleges in India are likely to face a tough year ahead with disruptions in its campus recruitments as the covid-19 pandemic affects businesses worldwide.

(a) Professional colleges in India are likely to face a

(b) tough year ahead with disruptions in its campus recruitments

(c) as the covid-19 pandemic affects businesses worldwide.

(d) No Error

Answer: (b)

123. In the following question, some part of the sente[illegible] may have errors. Find out which part of the sentence has an error and select the appropriate[illegible]tion. If a sentence is free from error, select 'No Error'.
It would cause a tremendous disruption wi[illegible] schedule to install a different computer system.

(a) It would cause a tremendous disruption

(b) with our work schedule to install

(c) a different computer system.

(d) No Error

Answer: (b)

124. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.
The newly elected chief minister will take the oath of office on Tuesday when the Governor will return to the state capital.

(a) The newly elected chief minister

(b) will take the oath of office

(c) on Tuesday when the Governor will return to the state capital.

(d) No Error

Answer: (c)

125. In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.
Some are employed with processing fish, such as canning and freezing, while others are manning and servicing the trawlers.

(a) Some are employed with processing fish,

(b) such as canning and freezing, while others

(c) are manning and servicing the trawlers.

(d) No Error

Answer: (a)

131. Select the most appropriate option to fill in the blank.
They now await their results in August and September _____ hope and expectation.

(a) in

(b) on

(c) at

(d) by

Answer: (a)

132. Select the most appropriate option to fill in the blank.
I see city women doing the same work as I _____ and it makes me realise we are just the same.

(a) did

(b) do

(c) does

(d) done

Answer: (b)

133. Select the most appropriate option to fill in the blank.
We are closer to realizing Dr. King's dream, but still have much _____ to go.

(a) far

(b) further

(c) farther

(d) farthest

Answer: (c)

134. Select the most appropriate option to fill in the blank.
When out and about, most people tend to behave sensibly enough not to put _____ at huge risk.

(a) oneself

(b) itself

(c) himself

(d) themselves

Answer: (d)

135. Select the most appropriate option to fill in the blank.
The property had been empty _____ last July but a couple of weeks ago his daughter moved in.

(a) since
(b) about
(c) across
(d) over

Answer: (a)

136. Parts of a sentence have been jumbled up. Arrange these parts in a meaningful order.
A. since the beginning of the 21st century,
B. infectious diseases caused by bacteria and viruses C. we have seen the emergence and outbreaks of multiple D. that jump from animals to humans

(a) ABDC
(b) ACBD
(c) ABCD
(d) ADBC

Answer: (b)

137. Parts of a sentence have been jumbled up. Arrange these parts in a meaningful order.
A. moratorium on repayment of long duration loans B. lowered the repo rate by 0.75% to 4.4%, supplementing it by measures C. to enhance the flow of cheap credit along with a three month D. Reserve Bank of India's monetary policy committee on Friday

(a) DABC
(b) DCBA
(c) DBCA
(d) DCAB

Answer: (c)

138. Arrange the jumbled sentences to make a meaningful paragraph.
A. while the US seeks to name and shame Beijing on its origin.
B. China is aggressively touting its success in containing the coronavirus.
C. Now, even as they fight a common threat, the 'war' has shifted to the realm of propaganda.
D. The US and China had just about declared truce in their trade war.

(a) DCAB
(b) DABC
(c) DBAC
(d) DCBA

Answer: (d)

139. Arrange the jumbled sentences to make a meaningful paragraph.
A. The Great Indian Middle Class is a peculiar animal.
B. At one level, it has remarkable qualities of entrepreneurship, resourcefulness, resilience, inventiveness and ingenuity.
C. At another level, it can be unforgivably insular, indifferent to the trauma of those economically and socially below it.
D. How else can one explain the reaction of some members of this class to health workers who are in the front trenches fighting against the coronavirus menace?

(a) ABCD
(b) ACDB
(c) ADBC
(d) ABDC

Answer: (a)

140. Select the most appropriate synonym of the given word.
Siesta

(a) Retirement
(b) An afternoon nap
(c) A lounge
(d) A blanket

Answer: (b)

General English2

141. Select the most appropriate synonym of the gi word.
Mitigate

(a) Aggravate
(b) Negotiate
(c) Diminish
(d) Provoke

Answer: (c)

142. Select the most appropriate antonym of the given word.
Embark

(a) Commence
(b) Inaugurate
(c) Confound
(d) Adjourn

Answer: (d)

143. Select the most appropriate antonym of the given word.
Dismantle

(a) Assemble
(b) Destroy
(c) Flatten
(d) Bulldoze

Answer: (a)

144. Select the incorrectly spelt word.

(a) Pronounce
(b) Fortheright
(c) Simplicity
(d) Ventilate

Answer: (b)

145. Select the incorrectly spelt word.

(a) Categorical
(b) Secretive
(c) Inauguraete
(d) Diplomatic

Answer: (c)

146. Select the incorrectly spelt word.

(a) Spellbound
(b) Histrionics
(c) Sepulchral
(d) Dipsomaniace

Answer: (d)

147. Select the incorrectly spelt word.

(a) Practiceable
(b) Insular
(c) Fecundity
(d) Ceremonious

Answer: (a)

150. Select the most appropriate meaning of the given idiom.
A bee in (one's) bonnet

(a) A desire or need
(b) An expensive holiday
(c) A perplexing situation
(d) An obsession

Answer: (d)

151. Select the most appropriate meaning of the given idiom.
All roads lead to Rome

(a) Different routes to the same goal

(b) A common understanding

(c) The same community

(d) A unique solution to a problem

Answer: (a)

152. Select the word which means the same as the group of words given.
Hard but liable to break easily.

(a) Flimsy

(b) Brittle

(c) Neurotic

(d) Strident

Answer: (b)

153. Select the word which means the same as the group of words given.
A descendant or the descendants of a person, animal, or plant; offspring.

(a) Species

(b) Adolescent

(c) Progeny

(d) Toddler

Answer: (c)

154. Select the word which means the sam[illegible] the [illegible]oup of words given.
A political leader who seeks support by appe[illegible] the desires and prejudices of ordinary people.

(a) Revolutionary

(b) Agitator

(c) Rebel

(d) Demagogue

Answer: (d)

155. Select the word which means the same as the group of words given.
The branch of medicine concerned with conditions affecting the nose.

(a) Rhinology

(b) Neurology

(c) Histophysiology

(d) Kremlinology

Answer: (a)

156. The Schutzstaffel (SS) converted Auschwitz I (an army barracks) into a prisoner-of-war camp for–

(a) Dozens of subcamps
(b) Polish political prisoners
(c) Final Solution to the Jewish Question
(d) Medical experiments

Answer: (b)

157. The first gassings of Soviet and Polish prisoners took place in–

(a) Auschwitz I
(b) Schutzstaffel
(c) Oświęcim
(d) IG Farben

Answer: (a)

158. Germany sparked World War 2 by invading–

(a) Hungary
(b) Austria
(c) Poland
(d) Italy

Answer: (c)

159. Where did the SS (Schutzstaffel) send most of t camp's population when the Soviet Red Army approached Auschwitz?

(a) Austria
(b) Bulgaria
(c) Hungary
(d) Poland

Answer: (a)

160. How many Soviet prisoners of war died in those camps?

(a) 21,000
(b) 1.3 million
(c) 74,000
(d) 15,000

Answer: (d)

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

General Ability2

21	**(d)**	22	**(d)**	23	**(c)**	24	**(b)**	25	**(c)**	26	**(b)**
27	**(b)**	36	**(d)**								

General Awareness1

41	**(b)**	42	**(d)**	43	**(c)**	44	**(a)**	45	**(b)**	46	**(c)**
47	**(d)**	48	**(a)**	49	**(d)**	50	**(c)**	51	**(c)**	52	**(b)**
53	**(a)**	54	**(c)**	55	**(b)**	56	**(b)**	57	**(b)**	58	**(a)**
59	**(c)**	60	**(a)**								

General Awareness2

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

Arithmetic Ability1

81	**(d)**	82	**(a)**	83	**(a)**	86	[illegible]	7	**(a)**	88	**(a)**
89	**(b)**	90	**(b)**	91	**(a)**	92	**(d)**	93	**(b)**	94	**(b)**
95	**(a)**	96	**(b)**	97	**(a)**	98	**(d)**	99	**(c)**	100	**(a)**

Arithmetic Ability2

101	**(a)**	102	**(b)**	103	**(a)**	104	**(a)**	105	**(b)**	106	**(b)**
107	**(b)**	108	**(c)**	109	**(a)**	110	**(d)**	111	**(c)**	112	**(a)**
113	**(d)**	114	**(b)**								

General English1

121	**(c)**	122	**(b)**	123	**(b)**	124	**(c)**	125	**(a)**	131	**(a)**
132	**(b)**	133	**(c)**	134	**(d)**	135	**(a)**	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)**	150	**(d)**	151	**(a)**	152	**(b)**	153	**(c)**	154	**(d)**
155	**(a)**	156	**(b)**	157	**(a)**	158	**(c)**	159	**(a)**	160	**(d)**