PREVIOUS YEAR PAPER

DSSSB Junior Assistant 2021 — 25 August 2021, sitting 4

DSSSB Junior Assistant / Junior Clerk · 25 August 2021

137 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: 63 (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 25 August 2021. 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-assistant-25-aug-4/

General Ability1

1. Complete the following letter series:
CAE, FEJ, IIO, LMT, _____

(a) YOU
(b) OUY
(c) OQY
(d) UIO

Answer: (c)

2. Complete the following series:
A16C, B36D, C64E, D100F, _____

(a) E35G
(b) E169H
(c) F169G
(d) E144G

Answer: (d)

3. Find the wrong term in the following series:
CWHK, FULL, ISPM, LQTN, OOYO

(a) ISPM
(b) LQTN
(c) FULL
(d) OOYO

Answer: (d)

4. Arrange the following words as per order in the dictionary.
1. Luxemburg
2. Luxury
3. Luxurious
4. Luxuries
5. Lucks

(a) 5, 1, 4, 2, 3

(b) 5, 1, 3, 4, 2

(c) 5, 2, 4, 3, 1

(d) 5, 1, 4, 3, 2

Answer: (d)

5. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

(a) Barley

(b) Wheat

(c) Jute

(d) Maize

Answer: (c)

6. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

(a) ACEG

(b) MOQS

(c) GHUL

(d) RTVX

Answer: (c)

7. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

(a) Ornithology : Birds

(b) Mycology : Fungi

(c) Phycology : Algae

(d) Herpetology : Insects

Answer: (d)

8. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

(a) DEAT - AEDU

(b) KREN - ERKO

(c) COIL- OICP

(d) BINE -NIBF

Answer: (c)

10. Select the pair that is related on the same basis to the pair given in the question.
Doctor : Stethoscope :: ?

(a) Policeman : Thief

(b) Mechanic : Tools

(c) Jailer : Prisoner

(d) Teacher : Student

Answer: (b)

11. Select the option that is related to the third term on the same basis as the second term is related to the first term.
EKRP : HHUM :: IRDP : ?

(a) LGMN

(b) KSEQ

(c) LOGM

(d) KESQ

Answer: (c)

12. Select the pair that is related on the same basis to the pair given in the question.
KQE : PLJ :: ?

(a) TFN : XAS

(b) QDP : YAS

(c) SFM : XAR

(d) SGN : YAT

Answer: (c)

13. In a certain code COMMA is coded as 19[illegible] YELLOW as 764493, then WELCOME will be coded as:

(a) 3645926

(b) 3641956

(c) 3621925

(d) 3641926

Answer: (d)

14. In a certain code language, if Violet is called as Green, Green is called as Red, Red is called as Brown, Brown is called as Orange, Orange is called as Yellow, Yellow is called as Blue and Blue is called as Indigo, then what is the colour of human blood in that language?

(a) Red

(b) Brown

(c) Blue

(d) Green

Answer: (b)

15. In a certain code language,
i) 'John and Jill play football' is coded as 'sas rir fas tin kar' ii) 'John try his best to win the game' is coded as 'lam kar pin zar at ion jin mir' iii) 'Football is the best game to play' is coded as 'ke mir ion fas jin at rir' iv) 'Jill and Jack don't win' is coded as 'sas tut mon tin zar' 'John is the best player ' can be coded as _____ ?

(a) Kar rir ion jin sas

(b) Kar yui ke jin mir

(c) pin lam tut mon ke

(d) min pin mon ke zar

Answer: (b)

16. In a certain language, DUPLEX is written as CWOKGW. How is KNOWLEDGE written in that code?

(a) JMQVKFCGF

(b) JMQVKGCFG

(c) JMQVKGCGF

(d) JMQVKGCFC

Answer: (b)

17. 6 persons A, B, C, D, E and F are standing in a row facing north. C is standing to the left of A. B is standing to the right of E. F is standing to the right of A and is standing to the left of E. D is standing to the left of C. Who is standing 3rd from the right end of the row?

(a) E

(b) A

(c) F

(d) C

Answer: (c)

18. Five students A, B, C, D and E appeared in an exam. B got more marks than C, who got less marks than E. A and C got more marks than D.
Which of the following pair could have got the highest and the least marks respectively?

(a) E, C

(b) B, D

(c) C, D

(d) A, C

Answer: (b)

19. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

(a) 2134 - 40

(b) 3712 - 60

(c) 7851 - 180

(d) 6932 - 150

Answer: (a)

20. Analyse the given information and answer the question that follows.
Following conditions are to be fulfilled in order to become the hero of a film:
(a) The person should have a good track record, i.e. the rate of success of that particular person as a hero should be at least 70 percent.
(b) The person should have been in the industry for at least 5 years.
(c) The person should ask for a remuneration of less than Rs.10,00,000 per film.
(d) The person should be able to give dates continuously for at least one week.
In case a condition given above is not satisfied, the following alternate condition should be applied:
(e) If condition (a) is violated, and the hero has a success rate of greater than 50 percent in films, but a good success rate with the heroine he is going to work with in the film, then take the suggestion of the heroine; OR
If condition (a) is violated, but the hero is successful in the type of films the Producer is making, then take the advice of the Producer.
(f) If condition (d) is violated, but the hero can work for at least 15 days in a month, may not be continuous, then the hero can be selected.
Ritesh is a hero, who has 65 percent hits in his career, and charges Rs. 8,00,000 per film. He has been in the film industry for the past 7 years and has 90 percent hits in the type of the films the Producer is making. He is ready to abide by condition (d).What decision should be taken about this person?

(a) The Person should be selected as a hero.

(b) The Person should not be selected as a hero.

(c) The heroine should be consulted regarding the decision.

(d) The Producer should be consulted regarding th decision.

Answer: (d)

General Ability2

21. In the question one statement is given, follo by arguments, I and II.You have to decide which of the argument is strong.
Statement: Should male labourers be paid more than female labourers?
Arguments:
I. Yes. Even physiologists confirm that men are physically stronger than women.
II. No. Equal work should be paid equally irrespective of gender.

(a) Only argument I is strong

(b) Only argument II is strong

(c) Both arguments I and II are strong

(d) Neither argument I nor II is strong

Answer: (b)

22. In this question, a statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statement is true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statement.
Statement:
People mostly prefer high speed net connections.
Conclusions:
I) High speed internet connections are very cheap.
II) People don't want to wait for long time for their web pages to load.

(a) Only I follows

(b) Only II follows

(c) None follows

(d) Both I and II follow

Answer: (b)

23. In this question, three statements have been given followed by two conclusions numbered I and II. Assuming that all information in the statement is true, analyse the two conclusions together and determine whether any of them logically and definitely follow(s) from the information given in the statements.
Statement I: All benches are umpires.
Statement II: Some umpires are towels.
Statement III: All towels are ties.
Conclusion I. Some towels are benches.
Conclusion II. Some ties are umpires.

(a) Only I follow

(b) Only II follow

(c) None follows

(d) Both I and II follow

Answer: (b)

24. In the question one statement is given, followed by two course of actions, 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 course of action, if any, follows from the given statement.
Statement: Children fall sick when they eat roadside food.
Course of Actions:
I. Parents should not allow their children to eat roadside food but rather try to prepare that type of food at home.
II. The children should be taught about what is healthy food and that the type of food prepared on the road side cause illness.

(a) Only I follows

(b) Only II follows

(c) Both I and II follow

(d) Neither I nor II follows

Answer: (c)

25. Complete the following number series:
7, 13, 25, 49, 97, _____
(a) 191
(b) 193
(c) 195
(d) 197
Answer: (b)

26. Find the wrong number in the following number series:
42, 48, 60, 66, 78, 91
(a) 42
(b) 48
(c) 60
(d) 91
Answer: (d)

28. If A = B > C ≥ D = E < F ≤ G, which of the following expressions is definitely true?
(a) C > E
(b) E > A
(c) B > E
(d) F > C
Answer: (c)

General Awareness1

41. Who among the following built the Humayu[illegible]b?
(a) Aurangzeb
(b) Jahangir
(c) Shah Jahan
(d) Bega Begum
Answer: (d)

42. The Domkach folk music is associated with which of the following states?
(a) Sikkim
(b) Manipur
(c) Jharkhand
(d) Goa
Answer: (c)

43. The Theyyam dance form is often performed to praise Goddess _____.
(a) Kali
(b) Laxmi
(c) Saraswati
(d) Radha
Answer: (a)

44. The “Pongtu Kuh” festival is an integral part of the socio cultural life of the Arunachal Pradesh, which is celebrated every year in the month of _____.

(a) January
(b) June
(c) March
(d) April

Answer: (d)

45. Which among the following can be defined as the total market value of the goods and services produced by a country's economy during a specified period of time?

(a) Gross National Product
(b) Net National Product
(c) Gross Domestic Product
(d) Net Domestic Product

Answer: (c)

46. In April 2019, Vijaya Bank and _____ were merged with Bank of Baroda.

(a) Dena Bank
(b) Canara Bank
(c) Corporation Bank
(d) Central Bank of India

Answer: (a)

47. The headquarters of Bank of India is located in which of the following cities?

(a) Kolkata
(b) Chennai
(c) Bengaluru
(d) Mumbai

Answer: (d)

48. Which among the following components is subtracted while calculating the Gross Domestic Product (GDP)?

(a) Consumption
(b) Investment
(c) Export
(d) Import

Answer: (d)

49. As announced in the Budget 2020, the customs duty on footwear has been increased to _____ from 25 percent.

(a) 28 percent
(b) 35 percent
(c) 30 percent
(d) 32 percent

Answer: (b)

50. Gir Wildlife Sanctuary is situated in which of the following states?

(a) Maharashtra

(b) Goa

(c) Andhra Pradesh

(d) Gujarat

Answer: (d)

51. Which among the following is an example of a second class lever?

(a) Scissors

(b) Wheelbarrow

(c) Broom

(d) Hockey Stick

Answer: (b)

52. Chara belongs to which of the following plant kingdoms?

(a) Gymnosperms

(b) Angiosperms

(c) Thallophyta

(d) Bryophyta

Answer: (c)

53. The Swachh Bharat Abhiyan was launched by the me Minister on _____ birth anniversary of Mahatma Gandhi.

(a) 150th

(b) 160th

(c) 100th

(d) 120th

Answer: (a)

54. Which among the following minerals is added to common salt to prevent goitre?

(a) Copper

(b) Kynaite

(c) Iron

(d) Iodine

Answer: (d)

55. Which among the following states is the largest producer of rice in India as of March 2020?

(a) Andhra Pradesh

(b) West Bengal

(c) Uttar Pradesh

(d) Punjab

Answer: (b)

56. The Arma Konda mountain peak is located on which of the following mountain ranges?
(a) Aravalli
(b) Satpura
(c) Western Ghats
(d) Eastern Ghats
Answer: (d)

57. The Srisailam Dam is built across which of the following rivers?
(a) Krishna
(b) Godavari
(c) Mahanadi
(d) Tapti
Answer: (a)

59. When did the Dandi March start?
(a) 1930
(b) 1925
(c) 1919
(d) 1920
Answer: (a)

60. When was the Permanent Settlement of Bengal introduced?
(a) 1814
(b) 1782
(c) 1793
(d) 1825
Answer: (c)

General Awareness2

61. Which among the following movements was also known as the Indian Muslim movement?
(a) Khilafat Movement
(b) Quit India Movement
(c) Civil Disobedience Movement
(d) Azad Hind movement
Answer: (a)

62. Who was the ruler of Delhi when Chengiz Khan conquered some kingdoms on the banks of River Indus in 1221 A.D.?
(a) Babur
(b) Iltutmish
(c) Humayun
(d) Muhammed Shah
Answer: (b)

63. When was the Prarthna Samaj of Bombay founded?
(a) 1867
(b) 1862
(c) 1875
(d) 1879
Answer: (a)

64. When was the National Bank for Agriculture and Rural Development (NABARD) established?
(a) 1975
(b) 1978
(c) 1982
(d) 1985
Answer: (c)

65. "Serve to Win" is written by which of the following sportsperson?
(a) Novak Djokovic
(b) Roger Federer
(c) Rafael Nadal
(d) Saina Nehwal
Answer: (a)

66. _____ was awarded the knighthood in 1915 returned it in 1919 as a protest against the Jallianwala Bagh Massacre?
(a) Shyama Prasad Mukherji
(b) Syed Ahmed Khan
(c) Rabindranath Tagore
(d) Aurobindo Ghosh
Answer: (c)

67. Who among the following was the first person to win the Jnanpith Award?
(a) Ashapurna Devi
(b) G. Sankara Kurup
(c) Gopinath Mohanty
(d) Umashankar Joshi
Answer: (b)

68. Every year, Rajasthan celebrates its Statehood Day on _____.
(a) 5th April
(b) 3rd April
(c) 30th March
(d) 1st April
Answer: (c)

69. On March 31, 2020, the Ministry of Tourism had launched which of the following portals to support foreign tourists?

(a) Stranded in India

(b) Stuck in India

(c) Help in India

(d) Locked down in India

Answer: (a)

70. The Scheme for Promotion of Manufacturing of Electronics Components and Semiconductors (SPECS) launched by the Government of India provides an incentive of _____ of the capital spent on establishing an electronics plant, equipment, machinery, technology.

(a) 10 percent

(b) 15 percent

(c) 20 percent

(d) 25 percent

Answer: (d)

71. The _____ Team was launched by top fund managers of private sector and blue-chip venture capital firms in April 2020.

(a) Equity COVID

(b) Action COVID

(c) Profit COVID

(d) Investment COVID

Answer: (b)

72. The 55th Constitutional Amendment gave [illegible] powers to the Governor consequent to formation of which of the following states?

(a) Arunachal Pradesh

(b) Sikkim

(c) Assam

(d) Mizoram

Answer: (a)

73. Who among the following was the chairman of the Union Powers Committee of the Constituent Assembly?

(a) Sardar Vallabhbhai Patel

(b) H.C. Mookherjee

(c) Jawaharlal Nehru

(d) Rajendra Prasad

Answer: (c)

74. Which among the following Constitutional Amendments made provision to form autonomous states within the state of Assam?

(a) 20th
(b) 22nd
(c) 24th
(d) 26th

Answer: (b)

75. When was the Constitution of India passed and adopted by the assembly?

(a) 26th November 1949
(b) 26th January 1950
(c) 24th January 1950
(d) 16th July 1949

Answer: (a)

76. The Indian shot putter Navin Chikara was suspended for _____ years in March 2020 by global athletics body's (IAAF) Athletics Integrity Unit for failing an out-of-competition dope test in 2018.

(a) three
(b) four
(c) two
(d) five

Answer: (b)

77. Which among the following teams won the first edition of the Cricket World Cup in 1975?

(a) Australia
(b) New Zealand
(c) West Indies
(d) India

Answer: (c)

78. Which among the following hosted the first-ever five-day Khelo India Winter in March 2020?

(a) Haryana
(b) Himachal Pradesh
(c) Jharkhand
(d) Jammu and Kashmir

Answer: (d)

79. Which among the following is the only country to have won the 60, 50 and the 20-over Cricket World Cups?

(a) India
(b) Australia
(c) New Zealand
(d) England

Answer: (a)

80. Australia won the ICC Women's T20 World Cup 2020 by _____ runs.

(a) 52
(b) 85
(c) 38
(d) 76

Answer: (b)

Arithmetic Ability1

81. Find the value of: 100 ÷ 25 × 8 + 2.5 × 16 ÷ 4 - 2 of 5

(a) 30
(b) 32
(c) 40
(d) 36

Answer: (b)

82. What is the result when 0.919191... is converted to a fraction?

(a) 17/19
(b) 13/17
(c) 91/99
(d) 21/23

Answer: (c)

83. Find the largest number which divides 44, 80 a[illegible]34 leaving the same remainder in each case.

(a) 180
(b) 18
(c) 36
(d) 540

Answer: (b)

84. Find the least number which when divided separately by 12, 18, 36 and 48 leaves 5 as remainder in each case.

(a) 181
(b) 241
(c) 481
(d) 149

Answer: (d)

85. The sum of 5 consecutive odd numbers is 48 more than the last of these numbers. What is the average of first and the second number?

(a) 20
(b) 15
(c) 12
(d) 10

Answer: (d)

86. A watch shop owner buys 50 watches from a wholesale dealer at (2/3)rd of the marked price. He plans to sell the watches at a minimum of 30 percent profit. What is the maximum discount he can give the customers to earn the minimum profit?

(a) 50 percent

(b) 20 percent

(c) 13.33 percent

(d) 33.33 percent

Answer: (c)

87. If Asif offers a 40 percent discount on the marked price, then he makes a loss of 16.66 percent. What is the percentage of impurities (of no cost) that has to be mixed to gain a 10 percent profit after the discount?

(a) 27 percent

(b) 24.24 percent

(c) 32 percent

(d) 43.25 percent

Answer: (c)

88. Two numbers are 25 percent and 40 percent more than a third number. What is the first number as a percentage of the second number?

(a) 88(1/7) percent

(b) 112 percent

(c) 80 percent

(d) 89(2/7) percent

Answer: (d)

89. 50 percent of 20 percent of a number is what percent of 50 percent of 5 percent of the same number?

(a) 40 percent

(b) 400 percent

(c) 4 percent

(d) 0.4 percent

Answer: (b)

90. A number increased by 16.66 percent, 14.28 percent, 9.09 percent and 11.11 percent respectively and after it decreased by 12.5 percent, 8.33 percent, 14.28 percent and 10 percent respectively. Find the total (approximate) change in percentage.

(a) 10 percent

(b) 20 percent

(c) 30 percent

(d) 0 percent

Answer: (d)

91. If 80 percent boys and 85 percent girls passed Semester 1 exam, then a total of 216 students of a college failed in Semester 1. If 30 percent boys and 20 percent girls failed Semester 2 exam, then a total of 313 students failed the Semester 2 exam. What percentage of the total students are girls in the college? (approximately)

(a) 63 percent
(b) 37 percent
(c) 30 percent
(d) 45 percent

Answer: (b)

92. Ramesh bought 200 watches for Rs. 150 per watch. He spent Rs. 10000 for transportation and sold each watch for Rs. 250. What is the profit percentage?

(a) 20 percent
(b) 30 percent
(c) 25 percent
(d) 24 percent

Answer: (c)

93. Mohan marks up his items 20 percent above its cost price and gives a discount of 15 percent on it. In order to achieve higher profits, he cheats his customers by using weight of 950 grams instead of 1kg. What is his approx net profit/loss percentage?

(a) Profit of 5.2 percent
(b) Profit of 17.5 percent
(c) Profit of 7.4 percent
(d) Profit of 9.2 percent

Answer: (c)

94. A dealer was giving a 20 percent discount on the marked price of a phone. Raju used his credit card and got a further rebate of Rs 300. If the dealer had purchased the phone for Rs 5000 and made a 10 percent profit on the sale, how much higher was the marked price than the cost price?

(a) 45 percent
(b) 20 percent
(c) 40 percent
(d) 55 percent

Answer: (a)

95. Aman distributed 250 chocolates among four kids such that the share of the first kid, twice the share of the second kid, thrice the share of the third kid and four times the share of the fourth kid are all equal. Find the number of chocolates received by the first kid.

(a) 30
(b) 40
(c) 60
(d) 120

Answer: (d)

96. Rs. 1200 is divided among P, Q and R such that, the share of P is one-fourth of the share of R and is equal to one-third the share of Q. The difference between the shares of Q and R is Rs. _____.

(a) 150
(b) 300
(c) 450
(d) 600

Answer: (a)

97. An old man wanted to write his will and called his lawyer. He had a total wealth of Rs. 234 lakh to be given to his three sons Ajay, Bhanu and Chandu. He wanted his money to be divided among Ajay, Bhanu and Chandu in the ratio of 1/2 : 1/3 : 1/4. The lawyer, by mistake wrote the ratio as 2 : 3 : 4. What is the maximum resulting gain for any of the sons?

(a) Rs. 56 lakh
(b) Rs. 45 lakh
(c) Rs. 50 lakh
(d) Rs. 40 lakh

Answer: (c)

98. The ratio of present ages of Gopal and Verma is 3 : 5. The sum of ages of Ram and Gopal 3 years from now will be 40 years and the sum of ages of Ram and Verma 8 years from now will be 60 years. What would be the sum of the ages of Ram, Gopal and Verma after 2 years from now?

(a) 44 years
(b) 65 years
(c) 60 years
(d) 54 years

Answer: (b)

99. A sum was invested under compound interest, interest being compounded annually. If it fetches Rs. 2880 as interest in the second year and Rs.
3456 as interest in the third year, find the annual rate of interest.

(a) 15 percent
(b) 20 percent
(c) 25 percent
(d) 30 percent

Answer: (b)

100. The difference between compound interest and simple interest for 2 years at 8 percent per annum is Rs 160. Find the principal.

(a) Rs. 25000
(b) Rs. 20000
(c) Rs. 35000
(d) Rs. 30000

Answer: (a)

Arithmetic Ability2

101. Nihal invests Rs. 1000 for 10 years at a simple interest of 10 percent p.a. Every subsequent year, he adds Rs. 100 less than the previous year (Rs.
900, 800, . . .) at the same interest rate and maturity. How much will he accumulate at the end of 10 years?

(a) Rs. 8850

(b) Rs. 8350

(c) Rs. 9350

(d) Rs. 7850

Answer: (c)

102. Two persons invested Rs. 25000 each at 8 percent simple interest for a period of 6 years. At the end of 6 years, one person invested the amount obtained, for a period of 2 years at the rate of 10 percent compounded annually while the other person invested the amount obtained, for a period of 2 years at 12 percent p.a. simple interest. Find the difference between the compound interest and simple interest earned by the two persons.

(a) Rs. 1280

(b) Rs. 1110

(c) Rs. 1560

(d) Rs. 2645

Answer: (b)

103. Mohit starts driving from Delhi to Ambala at 5 A[illegible]nd Rohit starts driving from Ambala to Delhi at 6 AM. Rohit is 50 percent faster than Mohit. Whe[illegible]ill they meet if Mohit and Rohit are 300 km apart and Mohit's speed is 60 kmph?

(a) 7:30 AM

(b) 7:45 AM

(c) 7:48 AM

(d) 7:36 AM

Answer: (d)

104. Distance covered by a train in the first hour is 40 km, distance covered in the second hour is 43 km, distance covered in the third hour is 46 km and so on for 10 hours. What will be the total distance covered by the train in these 10 hours?

(a) 458 km

(b) 520 km

(c) 535 km

(d) 550 km

Answer: (c)

105. A and B ran a race of 200 m from point X to point Y. A defeated B by 20 m. They decided to compete again but this time they decided that A would run from 5 m further behind X and B would run from a point 15 m ahead of X. Who would win the race in this case?

(a) It will be a tie

(b) A will win by 0.5 m

(c) A will win by 1 m

(d) B will win by 1 m

Answer: (b)

106. If twenty persons can complete 4/5th of the work in twelve days, then find how many more persons will be required to complete the remaining work in one and half days.

(a) 20

(b) 30

(c) 25

(d) 24

Answer: (a)

107. 7 men work 8 hours per day to complete one third piece of work in 36 days. If the remaining work is done by 24 men working 6 hours per day, then in how many days the remaining work will be completed?

(a) 25 days

(b) 28 days

(c) 30 days

(d) 20 days

Answer: (b)

108. A lays a road in 7 days and B in 8 days. When they work together, their efficiency comes down and they together lay 1/2 km less per day as compared to what they were supposed to lay. If the road is laid in 4 days, what is the length (in km) of the road laid?

(a) 21 km

(b) 28 km

(c) 35 km

(d) 42 km

Answer: (b)

109. A group of 10 men can do a job in 15 days. The group starts working and after every three days they are joined by two more men. On which day does the job get completed?

(a) 11th

(b) 12th

(c) 10th

(d) 13th

Answer: (b)

110. The perimeter of an equilateral triangle is 84 cm. What is the area of the triangle?

(a) 140 sq. cm

(b) 410.6 sq. cm

(c) 144 sq. cm

(d) 339.5 sq. cm

Answer: (d)

111. The height of a conical toy is 12 cm and the radius of its base is 5 cm. Find the cost of painting of the toy from outside at the rate of Rs. 28 sq. cm and the painter does not paint the base of the toy. (Use π = 22/7)

(a) Rs. 5750

(b) Rs. 5730

(c) Rs. 5740

(d) Rs. 5720

Answer: (d)

112. Find the ratio of the area of an equilateral triangle to the area of a circle, having the same perimeter. (Use π = 22/7)

(a) 16 : 21√3

(b) 25 : 21√3

(c) 20 : 21√3

(d) 22 : 21√3

Answer: (d)

General English1

121. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. In some regions, most notably in Awadh, the (1)/ rebellion take upon the attributes of a patriotic (2)/ revolt against European oppression. (3)/ No Error (4)

(a) In some regions, most notably in Awadh, the

(b) rebellion take upon the attributes of a patriotic

(c) revolt against European oppression.

(d) No Error

Answer: (b)

122. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. Alongside the monsoon season between June and (1)/ September, the unbroken Western Ghats chain (2)/ acts as a barrier to the moisture-laden clouds. (3)/ No Error (4)

(a) Alongside the monsoon season between June and

(b) September, the unbroken Western Ghats chain

(c) acts as a barrier to the moisture-laden clouds.

(d) No Error

Answer: (a)

123. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Large scale clearing of primary forest and (1)/ expansion of the agriculture acreage is (2)/ most to blame for this. (3)/ No Error (4)

(a) Large scale clearing of primary forest and

(b) expansion of the agriculture acreage is

(c) most to blame for this.

(d) No Error

Answer: (b)

124. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
The harmful results of fragmentation are worsened by increased (1)/ acidity, over-fertilization and drought, as these cause a further (2)/ deteriorate in the quality of the habitat remain. (3) No Error (4)

(a) The harmful results of fragmentation are worsened by increased

(b) acidity, over-fertilization and drought, as these cause a further

(c) deteriorate in the quality of the habitat remain.

(d) No Error

Answer: (c)

125. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
In 1914 Enfield supplied enlarged numbers of (1)/ motorcycles to the British War Department and also won a (2)/ motorcycle contract for the Imperial Russian Government. (3)/ No Error (4)

(a) In 1914 Enfield supplied enlarged numbers of

(b) motorcycles to the British War Department an so won a

(c) motorcycle contract for the Imperial Russian vernment.

(d) No Error

Answer: (a)

126. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
Security is (freed from, or resiliencing against, potential harm) or other unwanted coercive change caused by others.

(a) freedom from, or resiliencing against, potent harm

(b) freedom from, or resilience against, potential harm

(c) freeing from, or resilience against, potential harm

(d) No Correction Required

Answer: (b)

127. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
The better-known combat units in (where abroad nationals served in another country's army force) are the Gurkha regiments of the British Army and the Indian Army, and the French Foreign Legion.

(a) where abroad nationales serve in any other country's army forces

(b) which foreign nationals serve in another country's armed forces

(c) which foreign nationales serving in another country's armed forces

(d) No Correction Required

Answer: (b)

128. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
In a general (business sense, logistics is the managing flow) of things between the point of origin and the point of consumption to meet requirements of customers or corporations.

(a) business sense, logistics is the management of the flow

(b) business sense, logistics are managing the flow

(c) business sense, logistics is managing of flowing

(d) No Correction Required

Answer: (a)

129. Select the word segment that substitutes (replac[illegible] the bracketed word segment correctly and completes the sentence meaningfully. Select the op[illegible] 'no correction required' if the sentence is correct as given.
In Nine men's Morris board game players t[illegible] fo[illegible] mills'—(three of there own men lining straightly or erectly)—allowing a player to rem[illegible] opponent's man from the game.

(a) three of their own men lining straightly or erectly

(b) three of there own men lined horizontally or straightly

(c) three of their own men lined horizontally or vertically

(d) No Correction Required

Answer: (c)

130. Fill in the blank with the appropriate word.
Caffeine can _____ a mild form of drug dependence – associated with withdrawal symptoms such as sleepiness, headache, and irritability – when an individual stops using caffeine after repeated daily intake.

(a) destroy

(b) delay

(c) produce

(d) reckon

Answer: (c)

131. Fill in the blank with the appropriate word.
The aviation travel industry is affected by the _____ of fog conditions.

(a) enactment
(b) severity
(c) aristocracy
(d) urbanity

Answer: (b)

132. Fill in the blank with the appropriate word.
After the loss at the Third Battle of Panipat, the Maratha Empire _____ into several confederate states, and the resulting political instability and armed conflict severely affected economic life in several parts of the country.

(a) disintegrated
(b) torpedoed
(c) impenetrated
(d) violated

Answer: (a)

133. Fill in the blank with the appropriate word.
The Kaufmanns planned to _____ large groups of people, so the house needed to be larger than the original plot allowed.

(a) portent
(b) dissuade
(c) surfeit
(d) entertain

Answer: (d)

134. Some parts of a few sentences have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentences.
Hybridization between
P: parent. However, hybrids are not, as might be expected, always intermediate between their Q: parental lineage or variety. This is most common
R: parents but are sometimes stronger or perform better than either
S: reproductively isolated species often results in hybrid offspring with lower fitness than either with plant hybrids.

(a) SPRQ
(b) RQPS
(c) PQRS
(d) QRPS

Answer: (a)

135. Some parts of a few sentences have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentences.
The company name
P: four car companies that banded together to create Audi's predecessor
Q: is based on the Latin translation of the surname of the founder, August Horch. "Horch", R: four rings of the Audi logo each represent one of
S: meaning "listen" in German, becomes "audi" in Latin. The
company, Auto Union.

(a) SQPR

(b) RQSP

(c) PQSR

(d) QSRP

Answer: (d)

136. Some parts of a passage have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful passage.
Butterflies are insects in the macrolepidopteran clade Rhopalocera from the order Lepidoptera, which also includes moths.
P: Winged adults lay eggs on the food plant on which their larvae, known as caterpillars, will feed. This is called metamorphosis.
Q: We are talking about butterflies, they have the typic[illegible] four-stage insect life cycle.
R: When metamorphosis is complete, the pupal skin s[illegible].s, the adult insect climbs out, and after its wings have expanded and dried, it flies off.
S: The caterpillars grow, sometimes very rapidly, a[illegible] when fully developed, pupate in a chrysalis. Some butterflies, especially in the tropics, [illegible]se[illegible]al generations in a year, while others have a single generation, and a few in cold locations m[illegible]ake several years to pass through their entire life cycle.

(a) RQPS

(b) SPQR

(c) QPSR

(d) PRSQ

Answer: (c)

137. Some parts of a passage have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful passage.
By 55,000 years ago, the first modern humans, or Homo sapiens, had arrived on the Indian subcontinent from Africa, where they had earlier evolved.
P: These sites gradually developed into the Indus Valley Civilisation, the first urban culture in South Asia, which flourished during 2500–1900 BCE in what is now Pakistan and western India.
Q: After 6500 BCE, evidence for domestication of food crops and animals, construction of permanent structures, and storage of agricultural surplus appeared in Mehrgarh and other sites in what is now Balochistan.
R: During the period 2000–500 BCE, many regions of the subcontinent transitioned from the Chalcolithic cultures to the Iron Age ones.
S: The earliest known modern human remains in South Asia date to about 30,000 years ago.
The Iron Age is the final epoch of the three-age division of the prehistory and protohistory of humanity.

(a) PQRS
(b) QRSP
(c) RPQS
(d) SQPR

Answer: (d)

138. Select the word that is opposite in meaning (ANTONYM) to the word given below.
Disband

(a) Gelatinous
(b) Demobalize
(c) Loquacious
(d) Assemble

Answer: (d)

139. Select the word that is closest in meaning (SYNONYM) to the word given below.
Waft

(a) Cry
(b) Drift
(c) Hold
(d) Scratch

Answer: (b)

140. Select the word that is the opposite meaning (ANTONYM) to the word given below.
Sanguine

(a) Undoubtful
(b) Spirited
(c) Taurine
(d) Depressed

Answer: (d)

General English2

141. Select the word that is closest in meaning (SYNONYM) to the word given below.
Enfranchise

(a) Emancipate
(b) Restrain
(c) Incarcerate
(d) Substitute

Answer: (a)

142. Select the word that is closest in meaning (SYNONYM) to the word given below.
Diffident

(a) Confident
(b) Boastful
(c) Bashful
(d) Ignorant

Answer: (c)

143. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) TOMORROW
(b) TOMMORROW
(c) TOMOROW
(d) TOMMOROW

Answer: (a)

144. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) BELWETHER
(b) BELWHETHER
(c) BELLWHETHER
(d) BELLWETHER

Answer: (d)

145. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) MINESCULE
(b) MINUSCULE
(c) MINSCULE
(d) MENUSCULE

Answer: (b)

146. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) CONSCIENTOUS
(b) CONSIENTIOUS
(c) CONSCIENTIOUS
(d) CONCENTIOUS

Answer: (c)

147. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) ONOMOTOPOEIA
(b) ONOMATOPEIA
(c) ONOMATOOPEIA
(d) ONOMATOPOEIA

Answer: (d)

148. Select the most appropriate meaning of the given idiom.
Barking up the wrong tree.

(a) To get angry with a person who hasn't done any wrong.
(b) To speak loudly wanting everyone's attention.
(c) To support someone with bad intentions.
(d) To ask the wrong person or follow the wrong course.

Answer: (d)

149. Select the most appropriate meaning of the given idiom.
Blow your own trumpet.

(a) Making one's own fool.
(b) Tell people how good or successful you are.
(c) Being angry with yourself for not being able to achieve something.
(d) Being happy/satisfied/content with yourself.

Answer: (b)

150. Select the most appropriate meaning of the given idiom.
Scrape the barrel.

(a) Putting too much effort to do something.
(b) Putting effort on something/someone which won't reap any fruit.
(c) Using something you do not want to but you've no option.
(d) A stupid act.

Answer: (c)

151. Select the most appropriate meaning of the given idiom.
Under a cloud.

(a) Being very religious.

(b) Being under suspicion or in trouble.

(c) Being very down to earth.

(d) Being at a place which is at a very high altitude.

Answer: (b)

152. Select the most appropriate 'one word' for the expression given below.
Relics or monuments (such as coins, statues, or buildings) of ancient times.

(a) Gems

(b) Antiquities

(c) Vintage

(d) Classics

Answer: (b)

153. Select the most appropriate 'one word' for the expression given below.
Someone who can detect truth when it is being told, with the ability itself being referred to as truthsense.

(a) Trueman

(b) Trueness

(c) Truthsayer

(d) Trueborn

Answer: (c)

154. Select the most appropriate 'one word' for the expression given below.
The act of formally requiring or calling upon someone to perform an action.

(a) Requisition

(b) Conundrum

(c) Persuation

(d) Dramatics

Answer: (a)

155. Select the most appropriate 'one word' for the expression given below.
To increase the scope, power, or importance of something/ someone.

(a) Captivate

(b) Invocation

(c) Aggrandize

(d) Enchante

Answer: (c)

156. The endgame tablebase is used for:

(a) Checkers

(b) Chess

(c) Tic Tac Toe

(d) All of the given above

Answer: (d)

157. Choose the correct option.

(a) The databases could not find all the solutions for ending a game.

(b) Some positions which humans had analysed as draws were proven to be winnable.

(c) Human mind has come out with newer solutions to end the game.

(d) The solutions have had barely any effect on the chess community's understanding.

Answer: (b)

158. What is done in retrograde analysis?

(a) Tablebases are generated with the help of a code breakers.

(b) Tablebases are generated by calculating each move from last few pieces to a checkmated position.

(c) Tablebases are generated by finding permutations and combinations for each step during the game.

(d) Tablebases are generated by working backwards from a checkmated position.

Answer: (d)

159. What does the endgame database contains?

(a) Only moves in each possible positi[illegible]t w[illegible]ld take to finish the game with limited deaths of own team.

(b) Only moves in each possible position that would take to finish the game in the shortest time possible.

(c) Each possible move in each possible position, and how many moves it would take to finish the game calculated for last few pieces of the game.

(d) Each possible move in each possible position, and how many moves it would take to achieve finish the game calculated from the beginning for the entire game.

Answer: (c)

160. Why has endgame theory not been used for composing tournaments?

(a) Because it involves using a 'mouse' to lift an interesting position from a ready-made computer-generated list.

(b) Because it was proved that humans could come out with more methods to end the game.

(c) Because the procedures used for developing endgame database was incorrect.

(d) Because there is always a competition between man and machine.

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 Ability1

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

General Ability2

21	**(b)**	22	**(b)**	23	**(b)**	24	**(c)**	25	**(b)**
26	**(d)**	28	**(c)**						

General Awareness1

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

General Awareness2

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

Arithmetic Ability1

81	**(b)**	82	**(c)**	83	**(b)**	84	[illegible]	5	**(d)**	86	**(c)**
87	**(c)**	88	**(d)**	89	**(b)**	90	**(d)**	91	**(b)**	92	**(c)**
93	**(c)**	94	**(a)**	95	**(d)**	96	**(a)**	97	**(c)**	98	**(b)**
99	**(b)**	100	**(a)**								

Arithmetic Ability2

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

General English1

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

General English2

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