PREVIOUS YEAR PAPER

DSSSB Fee Collector Sub Inspector Auction Recorder 2021 — 18 November 2021, Shift 3

DSSSB Other Posts · 18 November 2021 · Shift 3

133 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: 67 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Delhi Subordinate Services Selection Board's paper of 18 November 2021, Shift 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-other-posts/previous-year-papers/dsssb-other-posts-2021-fee-collector-sub-inspector-auction-recorder-18-nov-shift-3/

General Ability1

1. Select the term that will come next in the following series.
CFI, DJK, ENM, FRO, _____?

(a) GVQ
(b) RUE
(c) OQT
(d) OST

Answer: (a)

2. Select the term that will come next in the followin eries.
BDF, CFI, DHL, ?

(a) EJO
(b) CJM
(c) EML
(d) EMI

Answer: (a)

3. Select the term that will come next in the following series.
C, E, I, K, O, Q,?

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

Answer: (d)

4. Find the wrong term in the following series.
ZA, UF, QJ, MM, LO

(a) MM
(b) UF
(c) QJ
(d) LO

Answer: (a)

5. Select the option that is related to the third term in the same way as the second term is related to the first term.
World War II: United Nations : : World War I : ?

(a) Treaty of Versailles
(b) International Commission of Justice
(c) League of Nations
(d) International court of Justice

Answer: (c)

6. In the following question, select the related letters from the given alternatives.
BEF : GJK : : LOP : ?

(a) QUV
(b) QTU
(c) QST
(d) QUT

Answer: (b)

7. Select the related number from the given alternatives.
APPLE : 50 : : ORANGE : ?

(a) 61
(b) 63
(c) 60
(d) 69

Answer: (c)

8. In the following question, select the related letter/letters from the given alternatives.
ACE : KMO : : BDF : ?

(a) LNO
(b) MPO
(c) LNP
(d) NPQ

Answer: (c)

9. If CUBE is coded as 11903 and LIGHT is coded as 1075618, then how will ROCKET be coded as?

(a) 162193118
(b) 161219318
(c) 161319318
(d) 162112293

Answer: (c)

10. If "ADVICE" is coded as "ZBCEUWHJBDDF" in a certain language, then how will "EXTRACT" be coded in the same language?

(a) DFWYSUQSZBBDSU
(b) DFYWUSQSZBBDSU
(c) DFWYUSSQZBBDSU
(d) DFWYSUQSBZBDSU

Answer: (a)

11. If 'haq wan tum' means 'we are nice': 'wan mein jaon' means 'nice and beautiful' and 'jaon tum ke' means 'you are beautiful': then which word in the language means 'you'?

(a) jaon
(b) tum
(c) ke
(d) mein

Answer: (c)

12. If 'study' means 'play', 'play' means 'watch TV', 'watch TV' means 'cycling' and 'cycling' means 'study' in a certain language, then what does this language does one do to score well in exams?

(a) Study
(b) Play
(c) Cycling
(d) Watch TV

Answer: (b)

13. Six trains – T1, T2, T3, T4, T5 and T6 are to leave the station one after the other not necessarily in the same order. T6 leaves immediately before t2 and immediately after T4 and T6 is not the fourth train to leave the station. Exactly one train leaves before T5. Neither T1 nor T3 is the last train to leave the station.
Which is the first train to leave the station?

(a) T1
(b) T3
(c) T4
(d) Either T1 or T3

Answer: (d)

14. Six boys – P, Q, R, S, T and U sit around a circular table, not necessarily in the same order. R sits opposite T but not adjacent to S. P sits to the right of S, who is opposite Q. Who sits opposite P?

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

Answer: (a)

15. In a class test, Ranjan ranked 17 from the top and 45 from bottom among those who passed in class test. There are 5 students who didn't give the test and 5 failed in the test. How many students are there in the class?

(a) 70
(b) 65
(c) 71
(d) 72

Answer: (c)

16. Six children A, B, C, D, E and F were standing in a row height wise. Each child was of different height. A was shorter than only one person.
There were 3 persons shorter than C but taller than E. E was taller than B. D was taller than F. Who was the 3rd tallest person?

(a) D
(b) F
(c) B
(d) A

Answer: (a)

17. Pointing to a man in a photograph a woman says, "He is the maternal grandfather of my only daughter's husband's son". How is the man related to that woman?

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

Answer: (c)

18. In the question below, a statement is followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted.
You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Mark answer:
Statement:
"As there is a great demand, every person seeking ticket of the programme will be given only five tickets".
Assumption:
I: The organizers are not keen on selling the tickets.
Assumption
II: No one is interested in getting more than five tickets.

(a) If only assumption I is implicit

(b) If only assumption II is implicit

(c) If neither I nor II assumption is implicit

(d) If both I and II assumptions are implicit

Answer: (c)

19. In question below, three statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow(s) from the given statements, disregarding the commonly known facts.
Statements:
All new are modern.
Some modern are old.
All old are gold.
Conclusions:
I. Some new are old is a possibility.
II. No modern is gold.

(a) If only conclusion I follows

(b) If only conclusions II follows

(c) If either conclusion I or II follows

(d) If both conclusion I and II follow

Answer: (a)

20. In each question below, three statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow(s) from the given statements, disregarding the commonly known facts.
Statements:
All Greeks are Romans.
Some Romans are Tandas.
Some Gangus are Tandas.
Conclusions:
I. Some Romans are Tandas.
II. All Greeks are Gangus.

(a) If only conclusion I follows

(b) If only conclusions II follows

(c) If either conclusion I or II follows

(d) If both conclusion I and II follow

Answer: (a)

General Ability2

21. In each question below, three statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow(s) from the given statements, disregar g the commonly known facts.
Statements:
Some short are tall.
All tall are radius.
All circles are tall.
Conclusions:
I. All circle are radius.
II. No radius is short.

(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: (a)

22. In each question below, two statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow(s) from the given statements, disregarding the commonly known facts.
Statements:
All the helicopters are carriers.
Some bikes are carriers.
Conclusion:
1. All the helicopters are bikes.
2. Some bikes are helicopters.

(a) Only conclusion 1 follows

(b) Both conclusions 1 and 2 follow

(c) Only conclusion 2 follows

(d) Neither conclusion 1 nor 2 follows

Answer: (d)

23. Select the missing number from the given responses.
15, 31, ?, 127, 255

(a) 47

(b) 51

(c) 63

(d) 89

Answer: (c)

24. In the following question select the related num from the given alternatives.
46 : 69 : : 52 : 78: : ? : ?

(a) 58 : 87

(b) 48 : 74

(c) 58 : 86

(d) 60 : 80

Answer: (a)

25. If 'x' means 'addition', '-' means 'division', '÷' means 'subtraction' and '+' means 'multiplication', then what will be the value of the expression '20 - 5 ÷ 14 + 2 - 7 x 5'?

(a) 2

(b) 3

(c) 4

(d) 5

Answer: (d)

26. If 50 × 4 + 2 = 25 and 60 × 8 + 10 = 75, then in the expression 10 × 1 + A = 50, what is the value of 'A'?

(a) 4
(b) 5
(c) 2
(d) 2.5

Answer: (b)

33. Town B is located north of town A. Town E is located east of B. Town D is located west to A. Town C is located south of D. In which direction is E located with respect to C ?

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

Answer: (b)

35. Select the term that will come next in the following series.
MK, IF, EA, ?, WQ

(a) SR
(b) LQ
(c) FN
(d) AV

Answer: (d)

General Awareness1

41. In which year was the construction of the Rashtrapati Bhawan completed?

(a) 1927
(b) 1928
(c) 1929
(d) 1930

Answer: (c)

42. In which of the following states is the Matki dance popular?

(a) Punjab
(b) Tamil Nadu
(c) West Bengal
(d) Madhya Pradesh

Answer: (d)

43. On the banks of which river is the Bara Imambara located?
    (a) Yamuna
    (b) Gomti
    (c) Sabarmati
    (d) Kaveri
    Answer: (b)

44. Which of the following is a drum instrument?
    (a) Kamanche
    (b) Rabab
    (c) Kanjira
    (d) Ravanhattha
    Answer: (c)

45. In which of the following states is the Bonalu Festival held?
    (a) Telangana
    (b) Gujarat
    (c) Maharashtra
    (d) Assam
    Answer: (a)

46. In which of the following years had the UN adopte ne UN Guidelines for Consumer Protection?
    (a) 1983
    (b) 1984
    (c) 1985
    (d) 1986
    Answer: (c)

47. Which of the following ministries is responsible for the scheme MGNREGA?
    (a) Ministry of Finance
    (b) Ministry of Rural Development
    (c) Ministry of Skill Development and Enterprise
    (d) Ministry of Commerce and Industry
    Answer: (b)

48. What does the I in MICR stand for?
    (a) Indian
    (b) Integrated
    (c) Inclusive
    (d) Ink
    Answer: (d)

49. Which of the following activities fall under the tertiary economic sector?
    (a) Dairy
    (b) Mining
    (c) Money lending to farmers
    (d) Forestry
    Answer: (c)

50. According to the Union Budget 2020, by which year does the Jan Aushadhi Kendra Scheme offer 2000 medicines and 300 surgicals in all districts?
    (a) 2022
    (b) 2023
    (c) 2024
    (d) 2025
    Answer: (c)

51. How many carbon atoms are there in a pyruvate molecule?
    (a) 6
    (b) 5
    (c) 3
    (d) 4
    Answer: (c)

52. Which of the following is an alternative or non-conventional source of energy?
    (a) Solar Energy
    (b) Thermal Energy
    (c) Bio-mass
    (d) Nuclear energy
    Answer: (a)

53. Which of the following is an s-block element?
    (a) Caesium
    (b) Boron
    (c) Nitrogen
    (d) Argon
    Answer: (a)

54. What is the molecular-mass of Pentane?
    (a) 66
    (b) 72
    (c) 78
    (d) 86
    Answer: (b)

55. Which of the following diseases is not caused by virus?
    (a) Malaria
    (b) Dengue
    (c) Common cold
    (d) Influenza
    Answer: (a)

56. Which of the following neighbour of India is larger than India in terms of area?
    (a) Bangladesh
    (b) Sri Lanka
    (c) China
    (d) Afghanistan
    Answer: (c)

57. What are the 'kayals' in the Malabar coast?
    (a) Mountains
    (b) Backwaters
    (c) Plateau
    (d) Red soil
    Answer: (b)

58. Which of the following clouds areblack or dark gr n colour?
    (a) Cumulus
    (b) Nimbus
    (c) Cirrus
    (d) Stratus
    Answer: (b)

59. The Karewa formations are helpful for cultivation of which of the following?
    (a) Rice
    (b) Wheat
    (c) Zafran
    (d) Sugarcane
    Answer: (c)

60. Who out of the following is a Pallava ruler?
    (a) Sinhavishnu
    (b) Pulakeshin II
    (c) Kirtivarman
    (d) Dantidurga
    Answer: (a)

General Awareness2

61. Which of the following regions did Chaitanya Mahaprabhu come from?
    (a) Punjab
    (b) Bengal
    (c) Gujarat
    (d) Tamil Nadu
    Answer: (b)

62. In which year was the Bahmani kingdom established?
    (a) 1325
    (b) 1339
    (c) 1347
    (d) 1356
    Answer: (c)

63. Under whose supremacy did India come, after the Government of India Act, 1858?
    (a) Queen Victoria
    (b) Queen Elizabeth I
    (c) Queen Elizabeth II
    (d) Queen Alexandra
    Answer: (a)

64. Who is the president of Afghanistan?
    (a) Abdullah Abdullah
    (b) Hamid Karzai
    (c) Ashraf Ghani
    (d) Abdul Rashid Dostum
    Answer: (c)

65. In which city headquarters of NATO is located?
    (a) Doha
    (b) London
    (c) Brussels
    (d) Luxembourg City
    Answer: (c)

66. Who was the first Indian to be RBI governor?
    (a) John Matthai
    (b) C.D.Deshmukh
    (c) R. K. Shanmukham Chetty
    (d) T.T.Krishna
    Answer: (b)

67. Who was honoured with 'Swami Vivekananda Karmayogi Award' in 2020?

(a) Jadav Payeng
(b) Nirman Singh
(c) Sushila Kumari
(d) Iqbal Khan

Answer: (a)

68. Which of the following area in Mumbai was in news for protest against cutting of trees?

(a) Chheda Nagar
(b) Aarey
(c) Lake Valley Garden
(d) Vrindavan Forest

Answer: (b)

69. What was the theme of World Wildlife Day 2020?

(a) Life below Water: for People and Planet
(b) Big cats - predators under threat
(c) Sustaining all life on Earth
(d) The future of wildlife is in our hands

Answer: (c)

70. This is a home to gangetic dolphins and 75 per ce population of critically endangered species gharial.Madhya Pradesh government declares as an - sensitive zone. Name it.

(a) National Chambal Sanctuary
(b) Sariska National Park
(c) Pench National Park
(d) Kanha National Park

Answer: (a)

71. Which city has bagged the top position in India having a population under 10 lakh as the cleanest city?

(a) Varanasi
(b) Ranchi
(c) Jamshedpur
(d) Sagar

Answer: (c)

72. “Eat Right Mela” is organised by whom?

(a) Food Safety and Standards Authority of India
(b) Food Adulteration Authority of India
(c) Ministry of AAYUSH
(d) State Health Department

Answer: (a)

73. In which year was the first time 2 election commisioners were appointed in election commission in India?

(a) 1989
(b) 1994
(c) 1991
(d) 1992

Answer: (a)

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

(a) 123
(b) 356
(c) 368
(d) 375

Answer: (c)

75. Which of the following writs means that the court orders that the arrested person should be presented before it?

(a) Mandamus
(b) Quo Warranto
(c) Habeas Corpus
(d) Certiorari

Answer: (c)

76. How many members are sent from Uttar Prades to the Rajya Sabha?

(a) 26
(b) 28
(c) 31
(d) 35

Answer: (c)

77. Where is the Green Park Stadium located in India?

(a) Indore
(b) Gwalior
(c) Kanpur
(d) Surat

Answer: (c)

78. With which of the following games is Simona Halep related to?

(a) Badminton
(b) Hockey
(c) Football
(d) Tennis

Answer: (d)

79. Who out of the following has been named the Leading T20 Cricketer in the World in 2019 by the Wisden Almanack?

(a) Rashid Khan
(b) Andre Russell
(c) Rohit Sharma
(d) Ben Stokes

Answer: (b)

80. Which of the following tournaments does the team Indian Arrows play in?

(a) Indian Super League
(b) Pro-Kabaddi League
(c) I-League
(d) Badminton Premier League

Answer: (c)

Arithmetic Ability1

81. Akshat has 315 red rose plants, 420 white rose plants and 945 black rose plants. He wants to rope them in a garden in some rows. What is the minimum number of rows required such that all the rows have equal number of plants and each row has same kind of plants?

(a) 10
(b) 20
(c) 16
(d) 18

Answer: (c)

82. Simplify the following expression by using BODMAS.
56 + (20 + 20 × 1/4) - 3{(5 × 6) + (8 × 9)}

(a) 207
(b) 208
(c) 1
(d) -225

Answer: (d)

84. What value must be given to x to make 9389×65 exactly divisible by 11? (Where x is a single digit number)

(a) 3
(b) 4
(c) 5
(d) 7

Answer: (d)

86. The average weight of 13 persons among 14 persons is 78 kg. The weight of 14th person is 39 kg more than the average weight of all the 14 persons. Find the weight of 14th persons.

(a) 101 kg

(b) 139 kg

(c) 140 kg

(d) 120 kg

Answer: (d)

87. The average weight of 6 students is 50 kg. If two student of the average weight of 51 kg is added and two other students of the average weight of 55 kg are also added then find the average weight of all the students?

(a) 61 kg

(b) 51.5 kg

(c) 52 kg

(d) 51.2 kg

Answer: (d)

88. The average score of 13 subjects is 78. The average score for the first 7 subjects is 76 and the average score for the last 7 subjects is 79. Find the marks obtained in the 7th subject.

(a) 77

(b) 84

(c) 71

(d) 83

Answer: (c)

89. On a Rs. 12,000 payment order, a person has the choice between three successive discounts of 20 percent, 15 percent and 25 percent and two successive discounts of 40 percent and 20 percent. By choosing the best offer he can save Rs. x more. Find the value of 'x'?

(a) Rs. 300

(b) Rs. 255

(c) Rs. 360

(d) Rs. 480

Answer: (c)

90. A dealer offers a cash discount of 20 percent, he further allows 160 articles when the customer buys 150 and still makes a profit of 20 percent.
How much percent above the cost price were he listed?

(a) 100 percent

(b) 60 percent

(c) 75 percent

(d) 66.66 percent

Answer: (b)

91. In an office in Singapore there are 60 percent female employees. 50 percent of all the male employees are computer literate. If there are total 62 percent employees computer literate out of total 1600 employees, then the number of female employees who are computer literate is:

(a) 690
(b) 674
(c) 672
(d) 960

Answer: (c)

92. Out of 200 fishes in an aquarium, 99 percent are red. How many red fishes must be removed in order to reduce the percentage of red fishes to 98 percent?

(a) 10
(b) 50
(c) 2
(d) 100

Answer: (d)

93. Due to a price hike of 20 percent, 4 kg less sugar are available for Rs. 120. What is the initial price per kg of sugar?

(a) Rs. 5/kg
(b) Rs. 4/kg
(c) Rs. 8/kg
(d) Rs.5.5/kg

Answer: (a)

95. A trader purchases a watch and a wall clock for Rs. 390. He sells them making a profit of 10 percent on the watch and 15 percent on the wall clock. He earns total profit of Rs. 51.50. The difference between the original prices of the wall clock and the watch is equal to:

(a) Rs. 80
(b) Rs. 120
(c) Rs. 110
(d) Rs. 100

Answer: (c)

96. In what ratio must tea worth Rs. 60 per kg be mixed with tea worth Rs. 65 a kg such that by selling the mixture at Rs. 68.20 a kg., there can be a gain of 10 percent?

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

Answer: (a)

97. Prasad buys 1998 model Bullet for Rs. 32,000. He spent Rs. 4,000 on repairs. The rate of depreciation of the Bullet is 16.67 percent. What will be the profit or loss percentage of Prasad in selling his bullet for Rs. 29,000 after two years?

(a) 11.67 percent profit

(b) 19.44 percent loss

(c) 12.24 percent loss

(d) 16 percent profit

Answer: (d)

98. Rajan got married 8 years ago. His present age is 6/5 times his age at the time of his marriage. Rajan's sister was 10 years younger to him at the time of his marriage. The present age of Rajan's sister is:

(a) 32 years

(b) 36 years

(c) 38 years

(d) 40 years

Answer: (c)

99. P, Q and R started a business by investing Rs. 40,500, Rs. 45000 and Rs. 50000 respectively. After 6 months R withdrew Rs. 10,000 while P invested Rs. 4500 more. In annual profit of Rs. 53,100 the share of R will exceed that of P by:

(a) Rs. 1000

(b) Rs. 850

(c) Rs. 950

(d) Rs. 900

Answer: (d)

100. In a 729 litres mixture of milk and water, the ratio of milk to water is 7:2. To get a new mixture containing milk and water in the ratio 7:3, the amount of water to be added is:

(a) 81 litres

(b) 71 litres

(c) 56 litres

(d) 50 litres

Answer: (a)

Arithmetic Ability2

101. The ratio of the sum and difference of two numbers is 5:1. What is the ratio of the sum and difference of the cubes of the two numbers?

(a) 15:22

(b) 20:21

(c) 35:19

(d) 34:15

Answer: (c)

102. The simple interest on a certain sum for the first 3 years is Rs. 8,178. The rates of interest are 7 percent p.a., 10 percent p.a. and 12 percent p.a. for the first year, second year and the third year respectively, then find the sum.

(a) Rs. 28200
(b) Rs. 29200
(c) Rs. 22800
(d) Rs. 22900

Answer: (a)

103. At what rate per annum will Rs. 32000 yield a compound interest of Rs. 5044 in nine months interest being compounded quarterly?

(a) 20 percent
(b) 32 percent
(c) 5 percent
(d) 16 percent

Answer: (a)

104. A borrows Rs. 800 at the rate of 12 percent per annum simple interest and B borrows Rs. 910 at the rate of 10 percent per annum simple interest.
In how many years will their amounts of debts be equal?

(a) 22 years
(b) 24 years
(c) 11 years
(d) 12 years

Answer: (a)

105. If the difference between compound and simple interest on Rs. 25000 at a certain rate R percent per annum for 3 years is Rs. 775. If the sum becomes double and rate is increased by 50 percent then find the difference between compound and simple interest on new sum for 2 years.

(a) Rs. 1155
(b) Rs. 1100
(c) Rs. 1200
(d) Rs. 1125

Answer: (d)

106. A boy goes from A to B with a speed of 30 km/hr and comes back from B to A with a speed of 20 km/hr. If the distance between A and B is 150 km then find the average speed of the boy in his entire journey.

(a) 22.5 km/hr
(b) 24 km/hr
(c) 25 km/hr
(d) 27.5 km/hr

Answer: (b)

107. Two man start together to walk a certain distance one at 4 km/hr and another at 3 km/hr. The former arrive half an hour before the latter. Find the distance.

(a) 6
(b) 8
(c) 9
(d) 12

Answer: (a)

108. A car starts to running at the speed of 50 km./hr. After each half hour its speed increases by 10 km./hr. How much distance will be covered by it in 3 hours?

(a) 200
(b) 215
(c) 220
(d) 225

Answer: (d)

109. Two taps A & B can fill a cistern in 45 minute & 60 minute respectively. There is third exhaust tap C at the bottom of the tank. If all the taps are opened at the same time the cistern will be full in 40 minute. In what time can exhaust tap C empty the cistern when full?

(a) 75 minute
(b) 76 minute
(c) 72 minute
(d) 74 minute

Answer: (c)

110. Dinesh and Dipu can design an applicati[illegible]/are in 16 hours and 12 hours respectively. Dinesh joins Dipu 4 hours before completing the design, Dipu had started the design work alone. Find how many hours Dipu has worked alone?

(a) 5 hours
(b) 6 hours
(c) 7 hours
(d) 3 hours

Answer: (a)

111. A, B and C can complete a work in 10, 20 and 30 days respectively when they work individually. All the three started simultaneously. After three days A left. After 2 more days, B left and C completed the remaining work alone. If the total work is for Rs. 6000. Find the amount (in Rs.) received by C.

(a) 1500
(b) 1800
(c) 2800
(d) 2700

Answer: (d)

112. Water flows at the rate of 10 meters per minute through a cylindrical pipe 5 mm in diameter. How long would it take to fill a conical vessel whose diameter of the base is 40 cm and depth is 24 cm?

(a) 51 minutes 12 seconds

(b) 50 minutes 32 seconds

(c) 58 minutes

(d) 30 minutes 32 seconds

Answer: (a)

113. The volume of a conical tent is 1232 cubic metre and the area of its base is 154 square metre. Find the length of the canvas required to build the tent, if the canvas is 2 metre in width. (Take π =22/7)

(a) 270 m

(b) 272 m

(c) 276 m

(d) 275 m

Answer: (d)

114. Four identical circular plates are placed in a square tray such that they are exactly fit into that. The area of each plate is equal to circumference of it. Find the area of the tray that is not covered by the plates.

(a) 16(π - 2)

(b) 16(8 - π)

(c) 16 (4-π)

(d) 16 (4 - π/2)

Answer: (c)

115. A right circular solid cylinder of base radius 4 cm and vertical height 22.5 cm is melted to from 8 equals solid spheres. If there is a process loss of 20 percent during such formation, what is the radius of each of the solid sphere so formed?

(a) 1.5 cm

(b) 3 cm

(c) 3.6 cm

(d) 4 cm

Answer: (b)

General English1

121. In the following question, some parts 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.
Many companies have moved in the direction of training employees to be multiple skills called multi-skilling.

(a) Many companies have moved

(b) in the direction of training employees

(c) to be multiple skills called multi-skilling.

(d) No Error

Answer: (c)

122. In the following question, some parts 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.
Our strategic partnership with Google allows us to develop user-friendly technologies, which can work seamless with your voice.

(a) Our strategic partnership with Google allows

(b) us to develop user-friendly technologies,

(c) which can work seamless with your voice.

(d) No Error

Answer: (c)

123. In the following question, some parts of the sent e may have errors. Find out which part of the sentence has an error and select the appropriate tion. If a sentence is free from error, select No Error.
Having created a new routine it should be mile to in the normal way and then linked as described.

(a) Having created a new routine it should

(b) be compiled to in the normal way

(c) and then linked as described.

(d) No Error

Answer: (b)

124. In the following question, four sentences are given out of which three sentences are grammatically correct while one is incorrect. Find out which sentence is grammatically incorrect and select the appropriate option.

(a) The position of landowners was less affected by thirteenth-century changes in law than these people customarily have recognized.

(b) The realm of law labeled public by these medievalists ultimately had greater political implications than that labeled private.

(c) The amount of wealth controlled by medieval women was greater than these medievalists have recorded.

(d) The distinction made by these medievalists between private law and public law fails to consider some of the actual legal case of the period.

Answer: (d)

125. In the following question, four sentences are given out of which three sentences are grammatically correct while one is incorrect. Find out which sentence is grammatically incorrect and select the appropriate option.

(a) Edwards differed from other artists of his time both in his aesthetic techniques and in his desire to meet the demands of the marketplace.

(b) Edwards was an entrepreneur whose artistic enterprise was not limited to the paintings he actually painted himself.

(c) Edward was one of first artists to develop the notion of a work of art as a commodity that could be sold in an open marketplace.

(d) Edwards's artistic achievement cannot be understood solely in terms of decisions he made on the basis of what would sell in the marketplace.

Answer: (c)

130. Select the most appropriate option to fill in the blank.
_____ living in wealth and comfort, the family was far from happy.

(a) Despite

(b) In spite

(c) Because

(d) Unless

Answer: (a)

131. Select the most appropriate option to fill in the blank.
I _____ sleeping well the last few nights and my mo[illegible]has been pretty good.

(a) have being

(b) have been

(c) had being

(d) has been

Answer: (b)

132. Select the most appropriate option to fill in the blank.
My prediction with the pizza was right and ten minutes after it came, she _____.

(a) arrive

(b) arrives

(c) arrived

(d) arriving

Answer: (c)

133. Select the most appropriate option to fill in the blank.
It is a fitting tribute from a daughter to her mother _____ her 75th birthday.

(a) at

(b) in

(c) by

(d) on

Answer: (d)

134. Parts of a sentence have been jumbled up. Arrange these parts in a meaningful order.
A. The WHO's International Health Regulations (IHR)-2005 B. a multi-sectorial, multidisciplinary, multi-institutional and multi-specialty C. advocate 'One Health' approach, which is nothing but D. coordination in all aspects of response to outbreaks

(a) ACBD
(b) ACDB
(c) ABCD
(d) ADCB

Answer: (a)

135. Parts of a sentence have been jumbled up. Arrange these parts in a meaningful order.
A. that refuses to change despite decades of grappling B. In making spitting in public spaces punishable with fines, C. with tuberculosis as a public health challenge
D. the government has gone on the offensive against a habit

(a) BDCA
(b) BDAC
(c) BACD
(d) BCAD

Answer: (b)

136. Arrange the jumbled sentences to make a meaningful paragraph.
A. Further studies are underway to understand if and how different animals could be affected by Covid-19 virus.
B. It would always be better to take certain precautions to avoid contact between Covid-19 positive patients and pet animals.
C. There are isolated cases of pet animals getting Covid-19 virus.
D. There is no credible evidence that dogs or cats and other domestic animals are playing a role in the spread.

(a) CABD
(b) CBDA
(c) CDAB
(d) CDBA

Answer: (c)

137. Arrange the jumbled sentences to make a meaningful paragraph.
A. Many viruses which originated from animals have caused pandemics like influenza H1N1, avian flu (influenza H5N1), SARS (SARS-Cov-1) and MERS-CoV.
B. Out of these around 60% are zoonotic.
C. Out of the total new emerging pathogens identified during the last three decades, around 75% originated from animals.
D. The total human pathogens identified till today are 1,407.

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

Answer: (d)

138. Select the correct pair of homophones to fill in the blanks.
Her _____ black hair was pulled into two cute pigtails, and she smiled shyly.
The _____ of a winding river is just like the tortuous path life sometimes takes.

(a) coarse, course
(b) coarse, coarse
(c) course, coarse
(d) course, course

Answer: (a)

139. Select the most appropriate synonym of the given word.
Extol

(a) Neglect
(b) Acclaim
(c) Slander
(d) Dissuade

Answer: (b)

140. Select the correct pair of homophones to fill in the blanks.
One of the basic _____ of a democratic, liberal country is the decentralization of power.
New York city remains the _____ port of entry and site of settlement for new Jewish immigrants.

(a) principle, principle
(b) principal, principle
(c) principle, principal
(d) principal, principal

Answer: (c)

General English2

141. Select the most appropriate antonym of the given word.
Exaggerate

(a) Reprimand
(b) Deprive
(c) Levitate
(d) Understate

Answer: (d)

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

(a) Vindicate
(b) Retract
(c) Falsify
(d) Reiterate

Answer: (a)

143. Select the incorrectly spelt word.

(a) Aggressive
(b) Intolerent
(c) Practical
(d) Decisive

Answer: (b)

144. Select the incorrectly spelt word.

(a) Matrimony
(b) Exclusive
(c) Bilaterale
(d) Indifferent

Answer: (c)

145. Select the incorrectly spelt word.

(a) Differentiate
(b) Instrumental
(c) Productivity
(d) Reminiscient

Answer: (d)

146. Select the incorrectly spelt word.

(a) Evolutionery
(b) Momentarily
(c) Gregarious
(d) Maleficent

Answer: (a)

150. Select the most appropriate meaning of the given idiom.
In front of one's nose

(a) Immediately obvious
(b) In the same manner
(c) In the neighborhood
(d) Lacking sincerity

Answer: (a)

151. Select the most appropriate meaning of the given idiom.
A beam in one's eye.

(a) A troublesome child
(b) A fault within oneself
(c) A persistent problem
(d) A thing that annoys

Answer: (b)

152. Select the word which means the same as the group of words given.
An animal capable of living on both land and sea.

(a) Terrestrial
(b) Arboreal
(c) Amphibian
(d) Aquatic

Answer: (c)

153. Select the word which means the same as the group of words given.
The science of the origin and development of the universe.

(a) Dermatology
(b) Hematology
(c) Anthology
(d) Cosmology

Answer: (d)

154. Select the word which means the same as the group of words given.
Passionate enthusiasm for collecting and possessing books.

(a) Bibliomania
(b) Pyromania
(c) Egomania
(d) Kleptomania

Answer: (a)

155. Select the word which means the sam[illegible] the [illegible]oup of words given.
The action of killing a king.

(a) Senicide
(b) Regicide
(c) Genocide
(d) Uxoricide

Answer: (b)

156. The decaying nucleus is called:

(a) stochastic
(b) parent radionuclide
(c) nuclear transmutation
(d) weak force mechanism

Answer: (b)

157. Which one is the exception of nuclear transmutation?

(a) gamma decay
(b) alpha decay
(c) beta decay
(d) both alpha and beta decay

Answer: (a)

158. What is a stochastic process?

(a) a random process of decaying at the level of single atoms

(b) significant number of identical atoms

(c) a constant decay of a particle

(d) half life of a particle

Answer: (a)

159. Which one is not among the most common types of radioactive decay?

(a) alpha

(b) gamma

(c) stochastic

(d) beta

Answer: (b)

160. What mechanism is responsible for beta decay?

(a) weak force

(b) strong force

(c) stochastic

(d) orientation

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

General Ability2

21	**(a)**	22	**(d)**	23	**(c)**	24	**(a)**	25	**(d)**	26	**(b)**
33	**(b)**	35	**(d)**								

General Awareness1

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

General Awareness2

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

Arithmetic Ability1

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

Arithmetic Ability2

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

General English1

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

General English2

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