PREVIOUS YEAR PAPER

DSSSB TGT Computer Science 2021 — 7 August 2021, sitting 4

DSSSB TGT · 7 August 2021

147 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: 53 (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 7 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-tgt/previous-year-papers/dsssb-tgt-2021-computer-science-7-aug-4/

General Awareness

1. Humanyun’s Tomb is located in _____.

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

Answer: (c)

2. Which of the following pair of dance – state is corr ?
I. Chhau – West Bengal
II. Sattriya – Rajasthan

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

Answer: (a)

3. What is the size of Rs. 50 note of the Mahatma Gandhi (New) series?

(a) 69 mm × 137 mm
(b) 66 mm × 137 mm
(c) 66 mm × 135 mm
(d) 69 mm × 135 mm

Answer: (c)

4. The total stock of money in circulation among the public at a particular point of time is called _____.

(a) Money multiplier
(b) Reserve money
(c) Money supply
(d) Narrow money

Answer: (c)

5. Earthworms breathe through their _____.

(a) skin
(b) lungs
(c) gills
(d) eyes

Answer: (a)

6. In a concave mirror, when object is at C then size of image is _____.

(a) of same size
(b) highly diminished
(c) enlarged
(d) highly enlarged

Answer: (a)

7. Which of the following pair is correct?
I. Prokaryotic cells – single chromosome II. Eukaryotic cells – more than one chromosome

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

Answer: (c)

8. Which of the following pair is correct?
I. Permanent wind – westerlies II. Local wind – loo

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

Answer: (c)

9. Which of the following pair of forest – tree is correct?
I. Montane – Palm
II. Mangrove – Birches

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

Answer: (d)

10. Which of the following pair of alluvial soil is correct?
I. Bangar – New alluvial
II. Khadan – Old alluvial

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

Answer: (d)

11. In which year Satyagraha Movement was started?

(a) 1921
(b) 1906
(c) 1919
(d) 1915

Answer: (c)

12. Which of the following river(s) was/were flowed through Magadha?
I. Yamuna
II. Ganga
III. Satluj

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

Answer: (b)

13. Which of the following pair(s) of movement and their year is/are correct?
I. Civil Disobedience Movement – 1930
II. Non-Cooperation and Khilafat Movement – 1921

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

Answer: (c)

14. The E2025 initiative launched by WHO is against which disease?

(a) Malaria
(b) TB
(c) Smallpox
(d) Polio

Answer: (a)

15. Which movie won the Oscar 2021 for best picture?

(a) The Father
(b) Nomadland
(c) Mank
(d) Minari

Answer: (b)

16. How many people were awarded Padma Vibhushan in 2021?

(a) 5
(b) 7
(c) 9
(d) 11

Answer: (b)

17. Which of the following pair of schedule – contents of Indian constitution is correct?
I. Third – Validation of certain acts and regulations II. Eleventh – Powers, authority and responsibilities of Panchayats

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

Answer: (b)

18. Which article of Indian constitution is related wi ıe borrowing by the government of India?

(a) 218
(b) 326
(c) 246
(d) 292

Answer: (d)

19. In 2016 Olympics, India won a medal in _____.
I. Badminton
II. Wrestling

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

Answer: (c)

20. Which of the following pair of sportsperson – sports is correct?
I. Bhaichung Bhutia – Football
II. Rupinder Pal Singh – Hockey

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

Answer: (c)

General Ability

21. Arrange the given words in the sequence in which they occur in the dictionary.
1. Aaerstd
2. Aaersted
3. Amquarine
4. Acgledhi
5. Acgledih

(a) 12453
(b) 12435
(c) 12354
(d) 12345

Answer: (a)

22. A series is given with one term wrong. Select the wrong term from the given alternatives.
VACTUS, AUHNZM, FOMHEH, KIRBJA, PCWVOU

(a) AUHNZM
(b) KIRBJA
(c) PCWVOU
(d) FOMHEH

Answer: (d)

23. In the following question, select the odd word from the given alternatives.

(a) Yellow
(b) White
(c) Green
(d) Alloy

Answer: (d)

24. In the following question, select the related words from the given alternatives.
Palace : King :: Stable : ?

(a) Horse
(b) Lion
(c) Pig
(d) Tiger

Answer: (a)

25. In the following question, select the related letter pair from the given alternatives.
GROH : YFIX :: ?

(a) ACKD : WBYR

(b) AJND : WFQR

(c) LPQC : XKHO

(d) DWBO : FSNU

Answer: (d)

26. In a certain code language, 'RACER' is written as '46', 'USAGE' is written as '54'. What is the code for 'ESSAY' in that code language?

(a) 69

(b) 70

(c) 72

(d) 75

Answer: (b)

27. Eight players A, B, C, D, E, F, G and H are sitting around a circular table facing towards the centre (not necessarily in the same order). G is fourth to the right of A. D is second to the left of A. E is second to the right of C. C is not the immediate neighbour of G or D. B is second to the right of F. Who is third to the right of H?

(a) B

(b) F

(c) D

(d) G

Answer: (b)

28. There are five people P1, P2, P3, P4 and P5. Each has a different profession among D1, D2, D3, D4 and D5 (not necessarily in the same order).
Each uses a different transport to go to the office among T1, T2, T3, T4 and T5 (not necessarily in the same order). Person having profession D3 does not use T1 or T4. P2 profession is D1. P4 uses T2. P3's profession is not D4 or D5. P5 does not use T3 or T5. Persons having profession D4 and D2 use transport T5 and T3 respectively. Which of the following combination of person – profession – transport is correct?

(a) P5 – D3 – T4

(b) P2 – D1 – T4

(c) P4 – D3 – T2

(d) P5 – D5 – T1

Answer: (c)

29. Area of 8 cylinders C1, C2, C3, C4, C5, C6, C7 and C8 is compared. No two cylinders have same area. Area of either C1 or C7 is the least. Area of C4 is more than C1 but less than C5. Area of C6 is less than only C3 and C2. Area of C5 is less than C7 and C8. Which of the following sequence is not possible?

(a) C1 < C4 < C5 < C7 < C8 < C6 < C2 < C3

(b) C1 < C4 < C5 < C7 < C8 < C6 < C3 < C2

(c) C1 < C4 < C5 < C7 < C3 < C6 < C2 < C8

(d) C1 < C4 < C5 < C8 < C7 < C6 < C2 < C3

Answer: (c)

30. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. No ground are land.
II. Some garden are land.
Conclusions:
I. Some land are garden.
II. Some land are ground.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusions I and II follows

(d) Neither conclusion follows

Answer: (a)

31. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. All B are S.
II. No S are K.
Conclusions:
I. All S are B.
II. Some S are B.
III. All K are B.

(a) Both conclusions I and II follows

(b) Only conclusion III follows

(c) Only conclusion II follows

(d) Neither conclusion follows

Answer: (c)

33. In the following question, select the missing number from the given series.
10, 29, 85, 252, ?

(a) 754
(b) 756
(c) 752
(d) 758

Answer: (c)

36. If South-east becomes North-west and West becomes East, then what South-west will become?

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

Answer: (c)

37. Prem walks 13 metres towards north. He turns right and walks 11 metres. He rotates by 90 degrees in anti-clockwise direction and walks 11 metres. He again rotates by 90 degrees in anti-clockwise direction and walks 4 metres. How far and in which direction is his starting point from the finishing point?

(a) 25 metres, South-west
(b) 33 metres, North-east
(c) 25 metres, North-east
(d) 33 metres, South-west

Answer: (a)

39. Two opposite faces of a big cube are pai[illegible]n red colour, two adjacent faces are painted with yellow colour and remaining faces are painted with blue colour. 4 equal cuts are made on each axis of this big cube and some small cubes are obtained. How many small cubes will have one face painted with blue colour and one face painted with yellow colour?

(a) 2
(b) 4
(c) 16
(d) 10

Answer: (d)

Arithmetic Ability

41. What is the value of 10 ÷ 5(4 – 2) × 6?

(a) 12
(b) 8
(c) 6
(d) 24

Answer: (d)

42. If the number 58579A is exactly divisible by 36, then what is the value of A?

(a) 2
(b) 4
(c) 6
(d) 8

Answer: (a)

44. If LCM of 8, 12 and K is 144, then what is the value of K?

(a) 12
(b) 144
(c) 18
(d) 48

Answer: (b)

45. Four bells toll at intervals of 5, 10, 12 and 15 minutes respectively. If they start tolling together at 3, after what interval will they toll together and how many time they toll together in 18 hours?

(a) 2 hours, 9 times
(b) 3 hours, 6 times
(c) 1 hour, 18 times
(d) 30 minutes, 36 times

Answer: (c)

46. 15 percent of marked price is equal to the 18 per t of selling price. What is the discount percentage?

(a) 20
(b) 16.66
(c) 14.28
(d) 17.5

Answer: (b)

47. Which number is 20 percent less than 45 percent of 600?

(a) 224
(b) 216
(c) 230
(d) 208

Answer: (b)

48. Raman scores 30 percent marks in an exam but still fails by 30 marks. In order to pass the exam, 60 percent marks are necessary. What is the maximum marks of the exam?

(a) 120
(b) 100
(c) 125
(d) 110

Answer: (b)

49. An article is sold for Rs. 1992 at a loss of 17 percent. If it is sold at Rs. 2760, then what is the profit/loss?

(a) 12.5 percent loss

(b) 15 percent loss

(c) 12.5 percent profit

(d) 15 percent profit

Answer: (d)

50. The ratio of P, Q and R is 3 : 5 : 8 respectively. If their sum is 400, then what is the difference between P and R?

(a) 125

(b) 75

(c) 100

(d) 50

Answer: (a)

51. The ratio of three numbers is 7 : 6 : 5. If the sum of the three numbers is 324, then what is the largest number among the three numbers?

(a) 18

(b) 126

(c) 90

(d) 108

Answer: (b)

52. If a sum is invested at simple interest, t[illegible] it b[illegible]mes 5/2 of itself in 5 years. What is the annual rate of interest?

(a) 40 percent

(b) 35 percent

(c) 25 percent

(d) 30 percent

Answer: (d)

53. A train of length 220 metres crosses an electric pole in 11 seconds and crosses another train of the same length travelling in opposite direction in 8 seconds. What is the speed of the second train?

(a) 35 m/s

(b) 42 m/s

(c) 46 m/s

(d) 37 m/s

Answer: (a)

54. Train 1 leaves A at 8 am and reaches B at 2 pm. Train 2 leaves B at 10 am and reaches A at 6 pm. At what approximate time do the 2 trains meet?

(a) 12:17 pm

(b) 1:12 pm

(c) 12:32 pm

(d) 11:58 pm

Answer: (a)

55. P and Q alone can do a work in 18 and 45 days respectively. They started the work together and P left after 3 days of start of work. Q completed the remaining work. In how many days was the work completed?

(a) 37.5

(b) 39.5

(c) 34

(d) 36

Answer: (a)

57. Radius of a solid hemisphere is 12 cm. If hemisphere is melted to form a cone whose base radius is equal to the radius of hemisphere, then what will be the height of cone?

(a) 18 cm

(b) 24 cm

(c) 8 cm

(d) 16 cm

Answer: (b)

General English

81. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. Ram always respected (1)/ his boss as he was (2)/ senior than him. (3)/ No error (4)

(a) Ram always respected

(b) his boss as he was

(c) senior than him.

(d) No error

Answer: (c)

82. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. There needs to be a better (1)/ approach for conserving and (2)/ improving original forest areas. (3)/ No error (4)

(a) There needs to be a better

(b) approach for conserving and

(c) improving original forest areas.

(d) No error

Answer: (b)

85. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
Waste management is one of the biggest _____ for the country.

(a) compromise

(b) challenges

(c) sacrifices

(d) leads

Answer: (b)

86. A sentence has been given with a blank to be filled with an appropriate word/words. Choose the correct alternative.
When she _____ at her place, Mahima had left.

(a) has arrived

(b) arrived

(c) arrives

(d) had arrived

Answer: (b)

87. Rearrange the parts of the sentence in correct order.
On World TB Day, workshops
P: tuberculosis research enable the sharing and dissemination of Q: information on current issues relating to the disease R: for the media, meetings between international S: organizations, and gatherings of scientists involved in

(a) RSPQ

(b) PQSR

(c) PSQR

(d) SRQP

Answer: (a)

88. Rearrange the parts of the sentence in the correct order.
P: the environment, O.V. Vijayan produced Q: articles on such subjects as politics and R: several novels and a number of short stories S: in addition to cartoons and journalistic

(a) RPQS

(b) QPRS

(c) RQPS

(d) SQPR

Answer: (d)

89. Choose the word that means the same as the given word.
Encounter

(a) Avoiding

(b) Meeting

(c) Sale

(d) Announcing

Answer: (b)

90. Choose the word that is opposite in meaning to the given word.
Allegiance

(a) Piety
(b) Clarity
(c) Paucity
(d) Falsity

Answer: (d)

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

(a) Stimulus
(b) Nostelgic
(c) Precision
(d) Quarrel

Answer: (b)

93. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
Look to one's laurels

(a) According to one's convenience
(b) Make a great deal of something
(c) Counting one's success
(d) Work hard to remain successful

Answer: (d)

94. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To throw cold water on

(a) To be perplexed
(b) A worthless, dishonest person
(c) To discourage
(d) To wake someone up

Answer: (c)

95. Choose the word that can substitute the given sentence.
Any underhand interference with production, work, etc

(a) Subterfuge
(b) Sabotage
(c) Curate
(d) Quiver

Answer: (b)

97. Which of the following is NOT one of the norms taken by FSSAI to promote healthy diet?

(a) FSSAI has prohibited food companies to print their brand name and logos on textbooks.

(b) It has prohibited food companies to advertise their product name on school buildings, buses and athletics fields.

(c) It has formulated general guidelines for selection of food products that can be offered in schools.

(d) It has prohibited food companies to sell junk food rich in fat, sugar and salt in school proximity after 50 m.

Answer: (d)

98. Identify the correct meaning of the word 'onus'?

(a) Palpable

(b) Responsibility

(c) Addition

(d) Negligence

Answer: (b)

99. What should parents do to ensure healthy lifestyle for their children?

(a) They must take necessary steps to control their children greed for junk food.

(b) Parents should not let any food manufacturer or seller near their home.

(c) They must encourage their children to take part in physical activities.

(d) Parents should not let children eat outside their home without measuring its health benefits.

Answer: (c)

100. Who made FSSAI to frame norms to promote healthy diet in children?

(a) Delhi High Court

(b) Supreme Court

(c) Schools

(d) Parents

Answer: (a)

Discipline1

102. The function(s) that is/are in play when writing a proposal is/are:
I. Persuading actions
II. Highlighting benefits

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

103. Which of the following is a shortcut key to undo last action in MS Word?

(a) Ctrl+Z

(b) Ctrl+J

(c) Ctrl+I

(d) Ctrl+K

Answer: (a)

104. Which of the following is an input device?

(a) Plotter

(b) Printer

(c) Joystick

(d) Speaker

Answer: (c)

105. Which of the following is a type of subprogram?
I. Functions
II. Subroutines

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

106. Which of the following is a primary task of mer y management system?
I. It keeps track of which parts of the mem are ently being used II. When space is available, it allocates memory to the programs that are ne e loaded

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

109. The operator in C++, which is used to access a value referred by a pointer is known as _____.

(a) indirect operator

(b) direct operator

(c) indirection operator

(d) insertion operator

Answer: (c)

110. Sort the following elements using Bubble sort in ascending order. What is the intermediate sequence of 37, 54, 21, 85, 68, 12, 9, 57 after second pass?

(a) 21, 37, 12, 9, 54, 57, 68, 85

(b) 37, 21, 54, 68, 12, 9, 57, 85

(c) 21, 37, 54, 12, 9, 57, 68, 85

(d) 21, 12, 9, 37, 54, 57, 68, 85

Answer: (c)

111. What is the output of the code written in C? void main()
{
int k, v;
k=(v=20,v+2);
printf("%d",k);
}

(a) 2

(b) 20

(c) 22

(d) Error

Answer: (c)

112. The following keys 22, 28, 23, 12 and 13 are inserted into initially empty hash table of length 9 using open addressing with hash function h(k) = k mod 9 and linear probing. At what index key 13 is inserted?

(a) 4

(b) 5

(c) 6

(d) 7

Answer: (c)

113. What is the file extension for Batch files?

(a) .BAT

(b) .BCH

(c) .CTH

(d) .BATCH

Answer: (a)

114. Which of the following is a type of Real time operating system?
I. Hard real time system
II. Soft real time system

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

115. If b is the base of the positional number system. What is the range of symbols it consists of?

(a) 0 to b

(b) 1 to b

(c) 0 to (b – 1)

(d) 1 to (b – 1)

Answer: (c)

116. How many bits are required to represent any decimal number in the range from 0 to 2 n –1 in base 2?

(a) n

(b) n – 1

(c) 2 n – 1

(d) n + 1

Answer: (a)

117. Assigned ordering among the characters used by the computer is known as _____.

(a) character sequence

(b) linear sequence

(c) collating sequence

(d) data sequence

Answer: (c)

120. Astable multivibrator has _____ quasi-stable sta .

(a) 0

(b) 1

(c) 2

(d) 3

Answer: (c)

Discipline2

121. Which of the following is correct regarding figure of merit of an IC?

(a) Propagation delay time – power

(b) Propagation delay time ÷ power

(c) Propagation delay time × power

(d) Propagation delay time + power

Answer: (c)

122. Which of the following is correct regarding T type flip flop?
I. If T = 1, changes state for lining clock pulse II. If T = 0, does not changes state

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

124. Which of the following is oldest database model?

(a) Deductive
(b) Relational
(c) Object-Oriented
(d) Hierarchical

Answer: (d)

125. What is the full form of DDLC in database?

(a) Distributed Database Log Clearing
(b) Distributed Database Life Cycle
(c) Database Development Life Cycle
(d) Deductive Database Life Cycle

Answer: (c)

127. The left-hand side and the right-hand sides of a functional dependency are sometimes called _____ and _____ respectively.

(a) domain; attributes
(b) determinant; dependent
(c) range; table
(d) tuple; relation

Answer: (b)

128. _____ are some problems that may arise while c ting the Entity relationship model.

(a) Connection traps
(b) Transition traps
(c) Groups traps
(d) Data traps

Answer: (a)

130. _____ is the point of synchronisation between the database and the transaction log file in database management system.

(a) Checkpoint
(b) Shadow point
(c) Mapping point
(d) Key point

Answer: (a)

131. How many address lines and input-output data lines are needed in 2k × 16 memory unit?

(a) 10 address line, 16 data line
(b) 10 address line, 4 data line
(c) 11 address line, 4 data line
(d) 11 address line, 16 data line

Answer: (d)

133. By including which logical gate binary adder circuit is used for both binary addition and subtraction?

(a) Ex - AND gate

(b) AND gate

(c) Ex - OR gate

(d) OR gate

Answer: (c)

134. The 8-bit register A and B initially have the following values.
A = 01110110
B = 10000101
What is the 8-bit value in each register after execution of the following micro-operation?
A ← A + B
B ← B + 1

(a) A = 11111110, B = 10000101

(b) A = 11111011, B = 10001110

(c) A = 11111011, B = 10000110

(d) A = 11111101, B = 10000101

Answer: (c)

135. Pseudo instruction is given to _____.

(a) compiler

(b) linker

(c) assembler

(d) loader

Answer: (c)

136. Which property of CSS specifies the degree to which text should be emboldened?

(a) Font – style

(b) Font – family

(c) Font – weight

(d) Font – size

Answer: (c)

137. Which property of CSS enables to set multiple list properties at once?

(a) List – style – type

(b) List – style – image

(c) List – style – position

(d) List – style

Answer: (d)

138. Which of the following is correct?
I. Decrease in asset is credited II. Increase in liabilities is credited

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

Answer: (c)

139. Which of the following is a feature of depreciation?
I. It is decline in the book value of fixed assets II. It is a continuing process

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

Answer: (c)

Discipline3

141. What is the full form of ROCOF in Software Reliability?

(a) Ratio of occurrence of fault
(b) Rate of occurrence of fault
(c) Rate of occurrence of failure
(d) Ratio of occurrence of failure

Answer: (c)

143. According to structured partitioning in so[illegible] engineering a program _____.

(a) should be partitioned both horizontally and diagonally
(b) should be partitioned both vertically and diagonally
(c) should be partitioned both horizontally and vertically
(d) should be partitioned diagonally

Answer: (c)

144. What is another name for level 0-DFD?

(a) E-R Diagram
(b) Context diagram
(c) Flow diagram
(d) Structure chart

Answer: (b)

145. What is COUPLING in software design?

(a) Coupling is measure of degree of functional interdependence between the two modules

(b) Coupling is measure of degree of functional non-dependence between the two modules

(c) Coupling is measure of degree of functional connected dependence between the two modules

(d) Coupling is the measure of the functional strength of the module of the software

Answer: (a)

146. Which of the following statement(s) is/are correct regarding code walk-through in software engineering?
I. It is an informal technique for analysis of the code.
II. It is undertaken just before the coding of the module.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (a)

147. In boundary value analysis testing method, if we want to design a test case that computes the square root of integer values in the range from 1 to 4000, then the test case must include what values?

(a) [0, 1, 3999, 4000]

(b) [1, 2, 3999, 4000]

(c) [0, 1, 4000, 4001]

(d) [1, 2, 4000, 4001]

Answer: (c)

148. What is function of javap command?

(a) A command for running the java compiler

(b) A command that disassembles java class files

(c) A command for running a non-optimized version of java compiler

(d) A command that is used to generate API-style HTML documentation

Answer: (b)

149. Which of the following statement is/are correct regarding JAVA programming?
I. A class marked as final cannot be inherited
II. A method marked final cannot be overridden

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

150. What is the output of the following JAVA code?
String s = “exam:” + 9 + 9 + 9; System.out.println(s);

(a) exam 27
(b) exam:27
(c) exam:9
(d) exam:999

Answer: (d)

152. The programming of first generation computers was done in _____ language.
I. Machine
II. High level

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

Answer: (a)

153. Which protocol is used for basic transmission of multimedia content?

(a) Real-time transport protocol
(b) Real-system transport protocol
(c) Real-system transfer protocol
(d) Real-software transport protocol

Answer: (a)

154. _____ stores entries about files and th[illegible]har[illegible]eristics.

(a) File application table
(b) File access table
(c) Format allocation table
(d) File allocation table

Answer: (d)

155. A disk consists of _____, _____, _____.

(a) track, segment and circle
(b) track, circle and cone
(c) drum, track and segment
(d) cylinder, tracks and sectors

Answer: (d)

156. Which of the following statement(s) is/are NOT correct?
I. Parallel processing is also known as loosely coupled architecture.
II. Distributed system is also known as tightly coupled architecture.

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

Answer: (c)

157. As the income of the consumer increases, the _____.

(a) demand for a normal good becomes zero
(b) demand for an inferior good falls
(c) demand for an inferior good rises
(d) demand for a normal good falls

Answer: (b)

158. Selling of a bond by RBI to private individuals or institutions leads to_____.
I. Reduction in quantity of reserves
II. Reduction in money supply

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

Answer: (c)

159. In a production process if all inputs get t[illegible]nen which of the following statements will follow?
I. If output is tripled, then decreasing returns to scale holds.
II. If output gets doubled, then constant returns to scale holds.
III. If output is more than tripled, then increasing returns to scale holds.

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

Answer: (b)

Discipline4

161. Which of the following is not an example of Guided transmission media?

(a) Fiber optic
(b) Infrared wave
(c) Twisted pair
(d) Coaxial cable

Answer: (b)

162. DHCP (Dynamic Host Configuration Protocol) is a _____.

(a) asking question and getting the reply

(b) protocol in which the sends for positive acknowledgement before advancing to the next data item

(c) protocol allows a newly booted workstation to broadcast its Ethernet address

(d) protocol allows both manual IP address assign infant and automatic assignment

Answer: (d)

163. _____ is a private network that uses a public network to connect remote sites or users together.

(a) Visual public network

(b) Virtual private network

(c) Virtual public network

(d) Visual private network

Answer: (b)

164. Which of the following statement(s) is/are correct regarding Peer-to-Peer Network Architecture?
I. Any peer can access any other peer on the network for sharing and retrieving data II. Needs a dedicated server to provide various services to client

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (a)

165. The process of compiling Intermediate La e programs to the actual machine language on the target platform prior to execution is known as _____.
I. Just-In-Time compiling
II. First-In-Time compiling

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (a)

166. What does '/etc' directory contain in Linux operating system?

(a) Home directories of the common user

(b) System configuration file

(c) Miscellaneous data

(d) Common program shared by the system and the system administrator

Answer: (b)

167. Which of the following are the types of Electronic Payment Systems (EPS)?
I. Smart Cards
II. E-Wallet
III. Electronic Funds Transfer

(a) I and III

(b) II and III

(c) I and II

(d) I, II and III

Answer: (d)

169. Which traversal of binary search tree is in ascending order?
I. Preorder traversal
II. Postorder traversal
III. Inorder traversal

(a) Only II

(b) I and III

(c) Only III

(d) II and III

Answer: (c)

170. Which rotations in an AVL tree is known as double rotation?

(a) LL and RR

(b) LR and LL

(c) RL and RR

(d) LR and RL

Answer: (d)

171. Consider the following arrays of elements 289, 219, 250, 217, 212, 215, 22, 25, 27, 211, 26, 29, 300. What is the minimum number of interchanges needed to convert it into max-heap?

(a) 4

(b) 5

(c) 2

(d) 3

Answer: (d)

172. Sort the following list using Radix sort algorithm.
329, 457, 839, 436, 720, 355, 657 What is the output of the algorithm after 2nd pass?

(a) 720, 355, 436, 457, 657, 329, 839

(b) 720, 329, 436, 839, 355, 457, 657

(c) 329, 355, 436, 457, 657, 720, 839

(d) 355, 329, 457, 436, 720, 657, 839

Answer: (b)

173. Sort the following list using selection sort algorithm.
H, V, A, T, L, N, K
What is the output of the algorithm after 3rd pass?

(a) A, V, H, T, L, N, K

(b) A, H, K, T, L, N, V

(c) A, V, T, H, L, N, K

(d) A, T, H, K, L, N, V

Answer: (b)

174. Office Automation System deals with which of the following?
I. Word processing
II. Annual budgeting

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (a)

175. Which of the following are the correct examples of Management Information System?
I. Train reservation with the help of IRCTC.
II. Bank operations electronically with a distinguish payment gateway.
III. Logistics management application to streamline the transportation system.

(a) I and II

(b) I and III

(c) I, II and III

(d) II and III

Answer: (c)

177. GPRS offers end to end packet switched data transfer service in _____.
I. point to point
II. point to multipoint

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

178. Which of the following is NOT the example of emissive display?

(a) Liquid crystal device

(b) Plasma panels

(c) Thin-film electroluminescent display

(d) Light emitting diodes

Answer: (a)

179. What is the RGB co-ordinates of a colour at (0.25, 0.65, 0) in CMY space?

(a) (0.75, 0.25, 1)

(b) (0.85, 0.25, 0)

(c) (0.65, 0.25, 0)

(d) (0.75, 0.35, 1)

Answer: (d)

180. Consider a rectangular window whose lower left hand corner is at (–3, 1) and upper right hand corner is at (2, 6). What is 4 bit region code for endpoint of line PQ having co-ordinates (–4, 2) and (–1, 8)?

(a) P ⟶ 0001, Q ⟶ 0001

(b) P ⟶ 1010, Q ⟶ 1001

(c) P ⟶ 0001, Q ⟶ 1000

(d) P ⟶ 0000, Q ⟶ 0110

Answer: (c)

Discipline5

181. _____ produces a rough outline of what the website will look like when it is done.

(a) Wirefalls

(b) Wireframes

(c) Webframes

(d) Webflows

Answer: (b)

182. Which of the following is a part(s) of a URL?
I. Protocol
II. Hostname
III. Directory and Filename

(a) I and III

(b) II and III

(c) I and II

(d) I, II and III

Answer: (d)

183. Which type of knowledge is highly personal and hard to formalise?

(a) Theoretical knowledge

(b) Tacit knowledge

(c) Concrete knowledge

(d) Explicit knowledge

Answer: (b)

184. Which of the following content(s) is/are included when reporting an experiment?
I. Apparatus used
II. Procedure

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

Answer: (c)

185. Which of the following asymptotic notation is used to provide lower boundary constraints?

(a) O
(b) Θ
(c) Ω
(d) ×

Answer: (c)

187. Pictorial representation of a program is known as _____.

(a) flowchart
(b) pseudocode
(c) code
(d) algorithm

Answer: (a)

191. Which of the following is/are the characteristic/ of learner – centered approach?
I. Students learn from interaction with their ers.
II. Opportunities are provided to the students . stioning, exploration and experimentation.

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

Answer: (c)

192. Which of the following combination(s) is/are NOT correct?

(a) Cassette – Audio aid
(b) Graphs – Visual aid
(c) Television – Visual aid
(d) Radio broad casts – Audio aid

Answer: (c)

193. How peer – assessment helps students?
I. In consolidating their learning through dialogue and interaction with their peers.
II. In learning how to give and receive constructive, explicit feedback based on clear criteria.

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

Answer: (c)

194. Through the process of standardization which of the following properties of achievement tests is/are ensured?
I. The test items used are purposefully designed to measure a clearly defined achievement domain.
II. A standardized procedure of administering, scoring and interpreting the results of the test are followed.

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

Answer: (c)

195. Children's _____ towards learning language play an important role in language acquisition.
I. motivation
II. self confidence
III. curiosity

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

Answer: (d)

196. Metaphor is one of the literary devices. Which of the following is/are the example(s) of metaphor?
I. Camels are found in the deserts.
II. The camel is the ship of the desert.

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

Answer: (b)

197. Which of the following combination(s) is/are correct?
I. Informative literature – Dictionary II. Creative or imaginative literature – Novels

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

198. Which of the following are the types of performing arts?
I. Theatre
II. Music
III. Puppetry

(a) I, II and III

(b) II and III

(c) I and II

(d) I and III

Answer: (a)

199. Which of the following is/are the status indicator(s) of Gender?
I. Sex ratio
II. Education
III. Health

(a) I and II

(b) II and III

(c) I, II and III

(d) Only III

Answer: (c)

200. Which of the following is/are the objective(s) of formal and non-formal education?
I. Aim at improving the quality and raising the living standards of life.
II. Contribute to the process of empowering girls through inculcating the values, attitudes and other life skills.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

Answer key

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

General Awareness

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

General Ability

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

Arithmetic Ability

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

General English

81	**(c)**	82	**(b)**	85	**(b)**	86	**(b)**	87	**(a)**	88	**(d)**	89	**(b)**	90	**(d)**
92	**(b)**	93	**(d)**	94	**(c)**	95	**(b)**	97	**(d)**	98	**(b)**	99	**(c)**	100	**(a)**

Discipline1

102	**(c)**	103	**(a)**	104	**(c)**	105	**(c)**	[illegible]	**(c)**	109	**(c)**	110	**(c)**	111	**(c)**
112	**(c)**	113	**(a)**	114	**(c)**	115	[illegible]	6	**(a)**	117	**(c)**	120	**(c)**		

Discipline2

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

Discipline3

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

Discipline4

161	**(b)**	162	**(d)**	163	**(b)**	164	**(a)**	165	**(a)**	166	**(b)**	167	**(d)**	169	**(c)**
170	**(d)**	171	**(d)**	172	**(b)**	173	**(b)**	174	**(a)**	175	**(c)**	177	**(c)**	178	**(a)**
179	**(d)**	180	**(c)**												

Discipline5

181	**(b)**	182	**(d)**	183	**(b)**	184	**(c)**	185	**(c)**	187	**(a)**	191	**(c)**	192	**(c)**
193	**(c)**	194	**(c)**	195	**(d)**	196	**(b)**	197	**(c)**	198	**(a)**	199	**(c)**	200	**(c)**