PREVIOUS YEAR PAPER

DSSSB Technical Assistant (Architecture) 2021 — 26 July 2021

DSSSB Other Posts · 26 July 2021

159 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: 41 (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 26 July 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-other-posts/previous-year-papers/dsssb-other-posts-2021-technical-assistant-architecture-26-jul/

General Awareness

1. Kariyala is a popular art form of _____.

(a) Madhya Pradesh
(b) Himachal Pradesh
(c) Uttar Pradesh
(d) Maharashtra

Answer: (b)

2. Match the following dance forms and state it is ass ated with - 1. Powada A. Goa
2. Dekhni B. Maharashtra
3. Gugga C. Jharkhand
4. Sohrai D. Haryana

(a) 1-B, 2-A, 3-D, 4-C
(b) 1-A, 2-C, 3-D, 4-B
(c) 1-B, 2-C, 3-A, 4-D
(d) 1-C, 2-A, 3-B, 4-D

Answer: (a)

3. Which among the following festivals is associated with the story of the God of Death, Yama and the river Yamuna?

(a) Diwali
(b) Teej
(c) Bhai Dooj
(d) Holi

Answer: (c)

4. Which among the following is not Goods and Service Tax (GST) rate slab in India as of May 2021?

(a) 5%
(b) 12%
(c) 18%
(d) 24%

Answer: (d)

5. As announced in the Budget 2021, the margin money requirement under the scheme of Stand Up India, has been reduced from upto 25% to upto _____.

(a) 18%
(b) 20%
(c) 15%
(d) 10%

Answer: (c)

6. The S.I. unit of electrical resistance is _____.

(a) Ohm
(b) Joule
(c) Kelvin
(d) Ampere

Answer: (a)

7. Which among the following science deals with the study of fossil plants?

(a) Arboriculture
(b) Pomology
(c) Paleontology
(d) Phycology

Answer: (c)

8. The Florida Strait connects Gulf of Mexico and the _____ Ocean.

(a) Pacific
(b) Southern
(c) Indian
(d) Atlantic

Answer: (d)

9. The _____ mountain range continue eastwards as the Bharner and Kaimur hills.

(a) Aravalli
(b) Vindhyas
(c) Satpura
(d) Western Ghats

Answer: (b)

10. Mahatma Gandhi referred to _____ as "keeper of my conscience".
    (a) Bal Gangadhar Tilak
    (b) Chakravarti Rajagopalachari
    (c) Dadabhai Naoroji
    (d) Gopal Krishna Gokhale
    Answer: (b)

11. The Servants of India Society was formed in Pune in _____ by Gopal Krishna Gokhale.
    (a) 1921
    (b) 1908
    (c) 1905
    (d) 1910
    Answer: (c)

12. _____ won the MTV Movie & TV Award 2021 for 'Best Performance in a Show'.
    (a) Michaela Coel – I May Destroy You
    (b) Elizabeth Olsen – WandaVision
    (c) Emma Corrin – The Crown
    (d) Elliot Page – The Umbrella Academy
    Answer: (b)

13. Which among the following countries hosted the F CS summit in 2020?
    (a) China
    (b) Brazil
    (c) Russia
    (d) India
    Answer: (c)

14. Which among the following state governments has launched the 'Maru Gam - Corona Mukt Gam' campaign in May 2021?
    (a) Bihar
    (b) Rajasthan
    (c) Jharkhand
    (d) Gujarat
    Answer: (d)

15. Budget carrier GoAir has rebranded itself into ultra-low cost airline known as _____ in May 2021.
    (a) Go India
    (b) Go Craft
    (c) Go First
    (d) Go Jet
    Answer: (c)

16. Wealth management platform Grow has signed a definitive agreement with Indiabulls Housing Finance to acquire Indiabulls Mutual Fund for _____ crores in May 2021.

(a) Rs 150
(b) Rs 175
(c) Rs 125
(d) Rs 200

Answer: (b)

17. Who among the following is referred to as the nominal executive of India?

(a) Vice President
(b) Chief Justice
(c) President
(d) Prime Minister

Answer: (c)

18. Which among the following Constitutional Amendments led to creation of Legislative Assemblies for Himachal Pradesh, Tripura, Manipur, Goa, Daman & Diu and Pondicherry?

(a) 18th
(b) 14th
(c) 26th
(d) 20th

Answer: (b)

19. Who was the first Indian recipient of Wisden Le ng Cricketer in the World?

(a) Rahul Dravid
(b) Virender Sehwag
(c) Mahendra Singh Dhoni
(d) Sourav Ganguly

Answer: (b)

20. Which among the following teams won 2021 UEFA Women's Champions League?

(a) Barcelona
(b) Chelsea
(c) Lyon
(d) Zurich

Answer: (a)

General Ability

21. Complete the following series:
R4P, T49M, V144J, X289G, ___

(a) C484Z
(b) V484X
(c) X484V
(d) Z484D

Answer: (d)

22. Find the missing term in the given series:
AC4, BE7, EI14, ?, QW40

(a) MH10
(b) JL63
(c) JQ30
(d) JO25

Answer: (d)

23. 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) Taj Mahal
(b) Machu Picchu
(c) Great Wall of China
(d) Statue of Unity

Answer: (d)

24. Out of the given options, three are simi[illegible]in a [illegible]ain manner. However, one option is NOT like the other three. Select the option which is di[illegible]om the rest.

(a) HEA
(b) LIF
(c) TQM
(d) KHD

Answer: (b)

25. Select the pair that is related on the same basis to the pair given in the question.
ABD : EGH

(a) IJL : MOP
(b) GHJ : KLN
(c) OPR : UTY
(d) IKL : NRT

Answer: (a)

26. Select the option that is related to the third term on the same basis as the second term is related to the first term.
Virat Kohli : Cricket :: Dhyan Chand : ?

(a) Football
(b) Chess
(c) Volleyball
(d) Hockey

Answer: (d)

27. If 'clock' is called 'bowl', 'bowl' is called 'spoon', 'spoon' is called 'mixer', 'mixer' is called 'fork', 'fork' is called 'knife' then what is used to make juice?

(a) Bowl
(b) Fork
(c) Mixer
(d) Knife

Answer: (b)

28. In a certain code language — "money is required" is written as "yon le tee","is tea be" is written as "yon berte mok", "required fan be" is coded as "tee berte gym". What may be the possible code for "Money is everything"?

(a) yon tee mok
(b) Berte tee gym
(c) Yon mok ger
(d) Yon le ger

Answer: (d)

29. Some players are standing in a row. Ravi is fifth from the right and is ten places away to the right of Anil, who has as many players to his left as to his right. How many players are standing in the row?

(a) 24
(b) 28
(c) 25
(d) 29

Answer: (d)

30. Pointing to the photograph of a girl Sona, Tony said, "My mother has only one son who is the Maternal uncle of Sona's daughter." Sona has only one sibling. How is Tony related to Sona?

(a) Father
(b) Husband
(c) Brother
(d) Son-in-law

Answer: (c)

31. In the question one statement is given, followed by two conclusions, I and II. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statement.
Statement:
Although the proportion of urban population residing in slums today is lower than a decade ago, the absolute number of slum dwellers continue to increase.
Conclusions:
I. Rapid urbanization has resulted in expansion of cities while the slums remained the same.
II. The population of the slum dwellers is increasing but at a slower rate than urban population.

(a) Only I follows.

(b) Only II follows.

(c) Both I and II follow.

(d) Neither I nor II follows.

Answer: (b)

32. In this question, a statement has been given, followed by two assumption numbered I and II. Analyse the two assumptions together and determine which of them follows.
Statement:
Now that the professor has gone through the manual; he can start the experiment.
Assumptions:
I. The professor has understood the instructions to perform the experiment.
II. The professor is capable of performing the experiment.

(a) Only I follows.

(b) Only II follows.

(c) Both I and II follow.

(d) Neither I nor II follows.

Answer: (c)

33. Which two signs should be interchanged to make the below equation mathematically correct?
3 + 32 ÷ 2 - 10 × 4 = 42

(a) ÷ and +

(b) + and ×

(c) ÷ and -

(d) - and ×

Answer: (b)

34. 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) (7, 350)

(b) (6, 220)

(c) (8, 520)

(d) (9, 738)

Answer: (b)

Arithmetic Ability

41. 3 runners X, Y and Z start running on a track. Towards the end of the race, it is found that Y is 10% slower than X and Z is 10% slower than Y.
Find the distance by which X beat Z if the track was 500 m long.

(a) 81 m
(b) 85.5 m
(c) 90.5 m
(d) 95 m

Answer: (d)

42. Find the least number that should be added to 999 to make it a multiple of 11.

(a) 2
(b) 11
(c) 13
(d) 25

Answer: (a)

43. On a commodity priced at Rs 400, a trade discount of 15% is offered and a cash discount of 20% is offered after the trade discount. What is the value of the cash discount?

(a) Rs 68
(b) Rs 34
(c) Rs 51
(d) Rs 102

Answer: (a)

44. A seller's revenue for the month of March was Rs 50,000. For the month of April, the number of units that he sold dropped by 10% because the sale price increased by 20%. Find his revenue for the month of April.

(a) Rs 52,500
(b) Rs 54,000
(c) Rs 55,500
(d) Rs 58,000

Answer: (b)

45. A batsman scored 100 runs in his first match. He kept improving his score by 20% every match. Find his average score after the end of the 3rd match.

(a) 120
(b) 121.33
(c) 122.67
(d) 121.67

Answer: (b)

46. Had an item been sold for Rs 800, a profit of 25% could have been made. Instead, the item was sold for a profit of 20%. Find the actual selling price.

(a) Rs 756

(b) Rs 720

(c) Rs 768

(d) Rs 784

Answer: (c)

47. A man bought X dozens of bananas for Rs 144. Every 4th banana was rotten and all the other bananas were sold for Rs 5 each. If the overall profit percent was 87.5%, then find the value of X.

(a) 3

(b) 4

(c) 5

(d) 6

Answer: (d)

48. What is the ratio between the third proportional of 4 and 16 and the fourth proportional of 12, 18 and 24?

(a) 9:16

(b) 8:9

(c) 16:9

(d) 9:8

Answer: (c)

49. If 1/3rd of a number is equal to 45% of another number, then find the ratio between the first number and the second number.

(a) 27:20

(b) 20:27

(c) 22:27

(d) 22:25

Answer: (a)

50. An amount when invested at simple interest provides an interest of 500% in 25 years. Find the compound interest on the amount of Rs 10,000 for 2 years at the same interest rate.

(a) Rs 4,400

(b) Rs 2,200

(c) Rs 8,800

(d) Rs 6,600

Answer: (a)

51. A sum of Rs 10,000 was lent at 20% compound interest per annum. Find the ratio of interest earned in the 6th year to the interest earned in the 7th year.

(a) 6:5
(b) 5:6
(c) 3:4
(d) 4:3

Answer: (b)

52. A bus crosses a pole in 0.9 seconds. Find the length of the bus if the speed of the bus is 72 kmph.

(a) 16.2 m
(b) 18 m
(c) 20 m
(d) 22.5 m

Answer: (b)

53. Two buses start a race of 120 kms. The speed of the first bus is 25 m/s and that of the second bus is 75 kmph. Find the time difference by which the second bus loses to the first one.

(a) 12 minutes
(b) 13.5 minutes
(c) 14.4 minutes
(d) 16 minutes

Answer: (d)

54. 12 people can pick 120 kgs of tea leaves in 10 hours. In how many hours can 15 people pick 80 kgs of tea leaves if all of them work at the same level of efficiency?

(a) 3.33
(b) 8.33
(c) 5.33
(d) 5

Answer: (c)

55. A worker can do a piece of work in 200 days. Every day, one more worker comes and joins him. What is the proportion of work completed in 10 days?

(a) 25%
(b) 27.5%
(c) 30%
(d) 32.5%

Answer: (b)

56. A square of side 5 cm has 2 cm cut off from all of its edges. How much area is left?

(a) 1 sq cm

(b) 4 sq cm

(c) 6 sq cm

(d) 9 sq cm

Answer: (d)

57. A cylinder of radius 44 cm and height 14 cm is melted to form small cubes of side 11 cm each. Find the number of cubes formed.

(a) 4

(b) 8

(c) 16

(d) 64

Answer: (d)

General English

81. The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.
The union leaders ignored the/ summons, leaving the government to/ decide whether to arrest them.

(a) The union leaders ignored the

(b) summons, leaving the government to

(c) decide whether to arrest them.

(d) No Error

Answer: (b)

82. The sentence below has been divided into three parts. Select the part of the sentence that has an error. If the sentence has no error, select the option 'No Error'.
She reached out and/ put her hand over the ring,/ stopping it's infernal winking.

(a) She reached out and

(b) put her hand over the ring,

(c) stopping it's infernal winking.

(d) No Error

Answer: (c)

83. 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.
How I wish I could see you this lovely morning, (and tell you all that has happened for I left home!)

(a) but tell you all that has happened for I left home!

(b) and tell you all that has happened since I left home!

(c) but tell you all that has happened since I left home!

(d) No correction required

Answer: (b)

84. 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.
(Sarah had told me that, "I can pick you up) at the hospital after work and we can spend the night up there."

(a) Sarah told me that, "I can pick you up
(b) Sarah had told me "I can pick you up
(c) Sarah told me, "I can pick you up
(d) No correction required

Answer: (c)

85. Fill in the blank with the most appropriate choice.
Expressing and releasing your deepest emotions, whether positive or negative, is a healing process called _____.

(a) genesis
(b) prosthesis
(c) catharsis
(d) diaphoresis

Answer: (c)

86. Fill in the blank with the most appropriate choice.
The great _____ of the Revolution was drawing to a close, and everything was in an unsettled condition.

(a) dispersion
(b) transgression
(c) condescension
(d) convulsion

Answer: (d)

87. Some parts of a sentence 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 sentence.
The well-known Egyptian Hall
P. it was noted was
Q. in Piccadilly was taken down
R. in 1906, and the permanent conjuring
S. entertainment for which
removed elsewhere.

(a) QPSR
(b) QSRP
(c) QRSP
(d) QSPR

Answer: (c)

88. Select the word that is similar in meaning (SYNONYM) to the word given below.
Adroit

(a) Clumsy
(b) Capable
(c) Mitigate
(d) Collude

Answer: (b)

89. Select the word that is opposite in meaning (ANTONYM) to the word given below.
Infirm

(a) Strong
(b) Fruitions
(c) Frail
(d) Decipher

Answer: (a)

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

(a) Caribbean
(b) Carribean
(c) Carribbean
(d) Carribaen

Answer: (a)

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

(a) inoculate
(b) innoculate
(c) inocculate
(d) innocculate

Answer: (a)

92. Select the most appropriate meaning of the given idiom.
Wag the Dog

(a) Going down a course of action that leads to a bad outcome.
(b) Something important or powerful being controlled by something less so.
(c) Anything from the past that isn't significant or important anymore.
(d) The more experiences you try the more exciting life can be.

Answer: (b)

93. Select the most appropriate meaning of the given idiom.
Third time's a charm

(a) To take the credit for something someone else did.

(b) Something someone would say during a long and boring story in order to keep his/her audience from losing attention.

(c) After no success the first two times, the third try is a lucky one.

(d) Refuse to acknowledge something you know is real or legit.

Answer: (c)

94. Select the most appropriate 'one word ' for the expressions given below.
The sound of Mosquitoes

(a) Click

(b) Vice

(c) Wreath

(d) Whine

Answer: (d)

95. Select the most appropriate 'one word ' for the expressions given below.
Using tricks especially to hide, avoid, or get something

(a) Stricture

(b) Subterfuge

(c) Stupor

(d) Subjugate

Answer: (b)

96. What was the philosophy of the author's [illegible]ers upon which they lived?

(a) Simple thinking and high living

(b) Simple living and high thinking

(c) High thinking and low living

(d) Low thinking and simple living

Answer: (b)

100. What does the author mean by the line, "The bond of love which they shared cannot be easily found in the nuclear families of today."?

(a) The relationship that is seen in the families of this day and age is much healthier than that of the older families.

(b) The nuclear families today are far more destructive than they were in earlier times.

(c) The structural framework of families today is far more separated as opposed to earlier times leading to weaker bonds among family members.

(d) The functionality of family depends on how tightly knit they are to each other.

Answer: (c)

Discipline1

101. What is the golden ratio?

(a) 1:1.618

(b) 1:2

(c) 1:3

(d) 1:12

Answer: (a)

102. _____ is an architectural style that features curvature of columns, doorways, supports, or walls for visual correction of concavity.

(a) Oasis

(b) Entasis

(c) Parthenon

(d) Paestum

Answer: (b)

105. Who is the architect of IIM Ahmedabad?

(a) Louis Kahn

(b) Le Corbusier

(c) Anne Tyng

(d) Charles Correa

Answer: (a)

106. Guggenheim Museum, Bilbao by Frank Gehry is example of which architectural style?

(a) Deconstructivism

(b) Rationalism

(c) Brutalism

(d) Regionalism

Answer: (a)

107. Who is the architect of Robie House?

(a) Charles Correa

(b) Zaha Hadid

(c) Frank Lloyd Wright

(d) Santiago Calatrava

Answer: (c)

108. _____are mixture of air hardening lime or hydraulic lime, sand and water.

(a) Lime Mortar

(b) Gypsum Mortar

(c) Cement Mortar

(d) Lime Hydration

Answer: (a)

109. Which kind of mortar is used for reinforced brickwork and in what proportion?

(a) Gypsum Mortar & 1:4

(b) Cement Mortar & 1:3

(c) Cement Mortar & 1:6

(d) Mud Mortar & 1:2

Answer: (b)

111. _____ is a small wooden hammer of round or rectangular cross section.

(a) Bench Vise

(b) Mallet

(c) Claw

(d) Jack plane

Answer: (b)

112. The area of an equivalent triangle is $\sqrt{3}$ sq cm. What is the length of the side of the triangle?

(a) 1cm

(b) 2cm

(c) 4cm

(d) 6cm

Answer: (b)

113. If logx(4/5) =-1/2, then the value of x is? (x is the base)

(a) 20/15

(b) 25/16

(c) 19/25

(d) -6.25

Answer: (b)

114. _____is the communication between the executor(contractor) and architect.

(a) Working drawing

(b) Conceptual drawing

(c) Preliminary sketches

(d) Design brief

Answer: (a)

115. What is the first communication document provided by the client or prepared by the architect for designing?

(a) Working Drawing

(b) Design brief

(c) Research ideas

(d) Refinement documents

Answer: (b)

116. The scale of contour map is 1:10,000 and the contour interval is 5m. Distance between two given point on map is 3cm and the elevation difference between the two given point is 10m. The actual distance between the two given points in m would be_____.

(a) 3

(b) 30

(c) 300

(d) 3000

Answer: (c)

117. In a cinema, 40 tube lights of 40 W are switched on for 5 hrs. The electric meter will record a power consumption of_____.
(1unit=1kW-h)

(a) 8 units

(b) 6 units

(c) 12 units

(d) 30 units

Answer: (a)

118. Find the total volume of liquid in a septic tank with following criteria i) No. of users = 30
ii) Cleaning intervals = 365 days
iii) The capacity required for sludge digestion = 0.033cu.m per capita at 25 Degree C. iv) Vol of digested sludge = 0.0003 cu.m per capita per day.

(a) 4270L

(b) 1000L

(c) 8000L

(d) 8250L

Answer: (a)

119. What is the full form of CAD?

(a) Computer-analysis design

(b) Computer-aided design

(c) Computer-automated design

(d) Computer-array design

Answer: (b)

120. What command is used for trim in AutoCAD?

(a) TR+ENTER

(b) EX+ENTER

(c) FI+ENTER

(d) L+ENTER

Answer: (a)

Discipline2

121. The portion of the building between ground level and ground floor level is know as_____.

(a) Dpc
(b) Plinth
(c) Sill
(d) Ramp

Answer: (b)

122. Which one of the following is not a dead load?

(a) Roof
(b) Beams
(c) Column
(d) Furniture

Answer: (d)

123. The term_____is generally used for the temporary structure used for supporting workmen during construction (brickwork, plastering etc.).

(a) Scaffolding
(b) Cantilever
(c) Framework
(d) Lever

Answer: (a)

124. Which is the software used in preparation of co uction schedules?

(a) Primavera P6
(b) Indesign
(c) Rhino
(d) Vray

Answer: (a)

125. What is the command to extend a line in AutoCAD?

(a) CO+ENTER
(b) EX+Enter
(c) L+Enter
(d) CI+ENTER

Answer: (b)

126. Which Software is used for rendering?

(a) Revit
(b) Lumion
(c) Sketchup
(d) AutoCAD

Answer: (b)

127. What is the full form of GFC drawing?

(a) Gone for construction
(b) Good for construction
(c) Grade for construction
(d) Great for construction

Answer: (b)

128. What is an important indication which should be given while drawing the roof plan?

(a) DPC
(b) Contours
(c) Slope to drain
(d) Property line

Answer: (c)

129. What is the standard height for above portion of railings of stairs from the floor level?

(a) 850-950 mm
(b) 800-825 mm
(c) 750-800 mm
(d) 650-750 mm

Answer: (a)

130. What is the full form of FAR?

(a) Floor Area Ratio
(b) Floor Assumption Ratio
(c) Floor Area Reduction
(d) File Assumption Ratio

Answer: (a)

131. What is the minimum size of the lift for easy manoeuvrability for wheel chairs?

(a) 1400 mm(W)by 1200 mm(D)
(b) 1500 mm(W) by 1500 mm(D)
(c) 1600 mm(W)by 1400 mm(D)
(d) 1700 mm(W) by 1800 mm(D)

Answer: (b)

132. If the level difference for the ramp is 750mm to 3000mm, what shall be the width of the ramp for a commercial building?

(a) 1200mm
(b) 1300mm
(c) 1500mm
(d) 1800mm

Answer: (d)

133. When was land acquisition act passed?

(a) 1894
(b) 1994
(c) 2004
(d) 1964

Answer: (a)

134. What is the population in Tier I cities?

(a) 1,00,000 and above
(b) 50,000 and below
(c) 10,000 and below
(d) 5,00,000 and above

Answer: (a)

135. _____ is a type of surveying where only linear measurements are made in the field.

(a) Chain Surveying
(b) Plane-table surveying
(c) Compass Surveying
(d) Photographic Surveying

Answer: (a)

136. _____is the deformation per unit length.

(a) Strain
(b) Longevity
(c) Elasticity
(d) Modulus of section

Answer: (a)

137. The focal length of a girder is its_____position, in which SF changes sign due to rolling load.

(a) Extreme
(b) Central
(c) Corner
(d) one-third

Answer: (b)

138. What is the unit weight (in kg/ m^3) of cement?

(a) 1440
(b) 2400
(c) 7850
(d) 700

Answer: (a)

139. What is the Poisson's ratio for mild steel?

(a) 0.1
(b) 0.3
(c) 0.2
(d) 0.4

Answer: (b)

140. The bearing pressure that the soil can take without exceeding the permissible settlement is known as _____.

(a) Safe Bearing Pressure
(b) Ultimate Bearing Pressure
(c) Allowable Bearing Pressure
(d) Maximum Bearing Pressure

Answer: (c)

Discipline3

141. _____ is the cadence of some kind of design theme at a building or detail scale in some kind of regular pattern or modulation.

(a) Rhythm
(b) Rationalism
(c) Replica
(d) System

Answer: (a)

142. What is the style of Burj Khalifa?

(a) Deconstructivism
(b) Neo-futurism
(c) Art Deco
(d) Revivalism

Answer: (b)

143. _____ is a centre of attraction which is generally an architectural feature focused as a point of interest such as statue, fountain, rockery etc.

(a) Mass effect
(b) Focal Point
(c) Focus Perspective
(d) Divisional Lines

Answer: (b)

144. _____ pattern it is utilized in formal garden in a symmetrical manner.

(a) Rectangular
(b) Circle
(c) Diagonal
(d) Square

Answer: (a)

145. Nahar (flowing canal of water) is an element of which style of garden?

(a) French
(b) Persian
(c) Japanese
(d) Italian

Answer: (b)

146. _____is the SI unit of luminous intensity.

(a) Candela
(b) Watt
(c) Flux
(d) Glare

Answer: (a)

147. BAS stands for_____.

(a) Building Automatic Solution
(b) Building Automation System
(c) Building Automation Schedule
(d) Building Automation Supply

Answer: (b)

148. Who designed Burj Khalifa?

(a) Oscar Niemeyer
(b) Walter Gropius
(c) Adrian Smith
(d) FL Wright

Answer: (c)

149. Who was the founder of Bauhaus?

(a) Zaha Hadid
(b) Walter Gropius
(c) Toyo Ito
(d) Frank Gehry

Answer: (b)

150. Which one of the element is not used for making physical 3D model?

(a) MDF
(b) Cork sheet
(c) Thermocol
(d) Plastic ruler

Answer: (d)

151. _____ is the initial stage model .

(a) Presentation model
(b) Working model
(c) Conceptual model
(d) Sectional model

Answer: (c)

152. Who wrote the book “Culture of Cities”?

(a) Patrick Geddes
(b) Lewis Mumford
(c) Robert Owen
(d) Le Corbusier

Answer: (b)

153. Who developed Ekistics?

(a) Robert Owen
(b) Ebenezer Howard
(c) Clarence Perry
(d) Doxiadis

Answer: (d)

154. Who designed Jaipur?

(a) Le Corbusier
(b) Doxiadis
(c) Vidyadhar Bhattacharya
(d) Samrat Ashoka

Answer: (c)

155. EIA stands for?

(a) Environmental Impact Association
(b) Energy Institute of Asia
(c) Elevation Interference Assessment
(d) Environmental Impact Assessment

Answer: (d)

156. U-value refers to _____.

(a) Thermal Transmittance

(b) Cooling Load

(c) Transparency of a material

(d) Energy efficiency of a material

Answer: (a)

157. Delonix Regia refers to _____.

(a) Banyan Tree

(b) Mango Tree

(c) Gulmohar Tree

(d) Neem Tree

Answer: (c)

158. BOQ stands for_____.

(a) Bill of quantities

(b) Bill of qualities

(c) Book of qualities

(d) Book of quantities

Answer: (a)

159. _____ is the process by which bids are inv d from interested contractors to carry out specific packages of construction work.

(a) Competing

(b) Estimating

(c) Tendering

(d) Electing

Answer: (c)

160. What are the 2 methods for calculation of fill and cut?

(a) Grid & mass

(b) Grid & Bearing

(c) Grid & Piling

(d) Grid & Section

Answer: (d)

Discipline4

161. Bituminous sheet is used for _____.

(a) Fluxing Agent

(b) Foundation base course

(c) Floor finish

(d) DPC

Answer: (d)

162. DPC should be cured for atleast how many days?

(a) 10
(b) 5
(c) 7
(d) 15

Answer: (c)

163. What type of wall is designed to resist lateral load in its own plane?

(a) Shear Wall
(b) Crumple Wall
(c) Earthquake Wall
(d) Veneered Wall

Answer: (a)

164. Defect on burnt-brick visible as a swollen mass due to the presence of excess carbon and sulphur in brick-clay is called _____.

(a) Bloating
(b) Chuffs
(c) Efflorescence
(d) Blisters

Answer: (a)

165. What is the full-form of TDR?

(a) Transfer of Development Rights
(b) Transferable Deposit Rights
(c) Transferable Drawing Rights
(d) Transferable Development Rules

Answer: (a)

166. For a sector of 2km × 1km size and gross density of 250ppha, what will be the net-density if non-residential land constitutes 50% of land area?

(a) 500 ppha
(b) 750 ppha
(c) 800 ppha
(d) 1000 ppha

Answer: (a)

167. What is the percentage of moisture-content in the timber for windows?

(a) 5-8%
(b) 10-16%
(c) 24-32%
(d) 7-9%

Answer: (b)

168. Which is the most common type of glass used for windows?

(a) Lead Glass
(b) Amorphous Glass
(c) Soda-lime glass
(d) Boro-silicate Glass

Answer: (c)

169. Hardwares for windows are tested for at least how many operating cycles?

(a) 5000
(b) 10000
(c) 20000
(d) 100000

Answer: (b)

170. What is a structure with a roof over a staircase and its landing built to enclose only the stairs for the purpose of providing protection from weather and not used for human habitation?

(a) Mumty
(b) Storey
(c) Tower
(d) Porch

Answer: (a)

171. What shall be the minimum tread width without r ing for a two family dwelling?

(a) 400 mm
(b) 300 mm
(c) 225 mm
(d) 250 mm

Answer: (d)

172. What shall be the minimum fire-rating of materials for construction of a lift enclosure?

(a) 50 min
(b) 60 min
(c) 100 min
(d) 120 min

Answer: (d)

173. What shall be the floor area for a wheelchair viewing space in an assembly building?

(a) 900 mm × 1400 mm
(b) 1900 mm × 2400 mm
(c) 300 mm × 1800 mm
(d) 500 mm × 1200 mm

Answer: (a)

174. Busway and Raceway are components of _____.

(a) HVAC Systems

(b) Fire-retardant Systems

(c) Electrical Systems

(d) Acoustic Systems

Answer: (c)

175. Elevation is the _____ drawing of the side of a building.

(a) Perspective

(b) Orthographic

(c) Bird's eye

(d) Linear

Answer: (b)

177. What is the minimum height of a kitchen measured from the surface of the floor to the lowest point in the ceiling (bottom slab) other than the area of floor-trap?

(a) 2.75 m

(b) 3.2 m

(c) 2.5 m

(d) 4 m

Answer: (a)

178. What shall be the range of slope for the flooring of the kitchen?

(a) 1:18 to 1:40

(b) 1:28 to 1:50

(c) 1:38 to 1:60

(d) 1:48 to 1:60

Answer: (d)

179. What is the minimum height of a bathroom or water-closet measured from the surface of the floor to the lowest point in the ceiling?

(a) 1.8 m

(b) 2.1 m

(c) 3.4 m

(d) 2.7 m

Answer: (b)

180. What should be the minimum width of a toilet?

(a) 1.2 m

(b) 1.3 m

(c) 1.4 m

(d) 1.5 m

Answer: (a)

Discipline5

181. What shall be the minimum height at the eaves for a habitable room with sloping roof?

(a) 2.0 m
(b) 10 m
(c) 1.8 m
(d) 1.6 m

Answer: (a)

182. How many arches support Bijapur's Gol Gumbaz?

(a) 10
(b) 12
(c) 15
(d) 8

Answer: (d)

183. Roof-top elevated helipad structures shall be designed as per the latest guidelines of Directorate General of Civil Aviation and _____.

(a) National Civil Aviation Organizations Heliport Manual
(b) International Civil Aviation Organizations Heliport Manual
(c) Local Civil Aviation Organizations Heliport Manual
(d) Transportation Department, India

Answer: (b)

184. The sloped floor of a manhole or an inspection chamber on both sides and above the top of the channel is known as _____.

(a) Benching
(b) Guniting
(c) Grouting
(d) Drain

Answer: (a)

185. Gate Valves are usually made up of _____.

(a) Glass
(b) Gunmetal
(c) Aluminium
(d) Titanium

Answer: (b)

188. Which of the following is a stratified rock?

(a) Basalt
(b) Granite
(c) Limestone
(d) Mercury

Answer: (c)

189. Underburnt bricks obtained from outer portion of the kiln are known as _____.

(a) Body Bricks
(b) Pale Bricks
(c) Arch Bricks
(d) Light Bricks

Answer: (b)

190. Acetic Anhydride Treatment is used for protection of _____.

(a) Masonry
(b) Lumber
(c) Concrete
(d) Iron

Answer: (b)

191. Which is an organic compound that is often combined with formaldehyde to produce a resin that makes wood fire resistant and heat tolerant?

(a) Shellac
(b) Benzyl Peroxide
(c) Calcium Carbonate
(d) Melamine

Answer: (d)

192. What shall be the specific gravity of the bees w ısed for polishing wood?

(a) 0.765 to 0.769
(b) 0.965 to 0.969
(c) 0.865 to 0.869
(d) 0.424 to 0.569

Answer: (b)

193. Who was the first to introduce Portland cement in 1824?

(a) Vitruvius
(b) Joseph Aspedin
(c) Issac Johnson
(d) Le Chatelier

Answer: (b)

194. What is C3S also known as?

(a) Alite
(b) Belite
(c) Celite
(d) Felite

Answer: (a)

195. What does VP stands for in terms of perspective?

(a) Validating Point

(b) Virtual Point

(c) Vanishing Point

(d) Visible Point

Answer: (c)

197. _____ is one of the structure that consists of a curved top on two supports that holds the weight of something above it.

(a) Arches

(b) Lintels

(c) Column

(d) Beam

Answer: (a)

200. The minimum clear floor ground area for a wheelchair to turn is how much according to NBC?

(a) 900 mm

(b) 1200 mm

(c) 2200 mm

(d) 1500 mm

Answer: (d)

Answer key

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

General Awareness

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

General Ability

21	**(d)**	22	**(d)**	23	**(d)**	24	**(b)**	25	**(a)**	26	**(d)**
27	**(b)**	28	**(d)**	29	**(d)**	30	**(c)**	31	**(b)**	32	**(c)**
33	**(b)**	34	**(b)**								

Arithmetic Ability

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

General English

81	**(b)**	82	**(c)**	83	**(b)**	84	**(c)**	85	**(c)**	86	**(d)**
87	**(c)**	88	**(b)**	89	**(a)**	90	**(a)**	91	**(a)**	92	**(b)**
93	**(c)**	94	**(d)**	95	**(b)**	96	**(b)**	100	**(c)**		

Discipline1

101	**(a)**	102	**(b)**	105	**(a)**	106	**(a)**	107	**(c)**	108	**(a)**
109	**(b)**	111	**(b)**	112	**(b)**	113	**(b)**	114	**(a)**	115	**(b)**
116	**(c)**	117	**(a)**	118	**(a)**	119	**(b)**	120	**(a)**		

Discipline2

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

Discipline3

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

Discipline4

161	**(d)**	162	**(c)**	163	**(a)**	164	**(a)**	165	**(a)**	166	**(a)**
167	**(b)**	168	**(c)**	169	**(b)**	170	**(a)**	171	**(d)**	172	**(d)**
173	**(a)**	174	**(c)**	175	**(b)**	177	**(a)**	178	**(d)**	179	**(b)**
180	**(a)**										

Discipline5

181	**(a)**	182	**(d)**	183	**(b)**	184	**(a)**	185	**(b)**	188	**(c)**	189	**(b)**	190	**(b)**
191	**(d)**	192	**(b)**	193	**(b)**	194	**(a)**	195	**(c)**	197	**(a)**	200	**(d)**		