PREVIOUS YEAR PAPER

DSSSB Assistant Engineer (Civil) 2021 — 26 September 2021, Shift 3

DSSSB Other Posts · 26 September 2021 · Shift 3

73 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: 127 (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 September 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-assistant-engineer-civil-26-sep-shift-3/

General Ability

1. Find the missing term in the following letter series :
NR, _____, DH, YC

(a) HM
(b) IM
(c) JL
(d) KL

Answer: (b)

2. Arrange the given words in the sequence in which they occur in the dictionary.
1. STALKER
2. STALKED
3. STALLER
4. STAINED
5. STAMPED

(a) 4,2,1,3,5
(b) 1,2,3,4,5
(c) 2,1,4,3,5
(d) 1,2,4,3,5

Answer: (a)

3. Select the pair in which the words share the same relation as that shared by the words in the given two pairs:
Maharashtra: Mumbai :: Gujarat: Gandhinagar

(a) Odisha: Panjim
(b) Nagaland: Gangtok
(c) Kerala: Thiruvananthapuram
(d) Himachal Pradesh: Chandigarh

Answer: (c)

4. Select the pair that is related on the same basis to the pair given in the question.
MTA : JQX : GNU :: ?

(a) ENY : CKD : SMF

(b) FNY : NML : SKD

(c) EMR : DNF : XCB

(d) EOY : BLV : YIS

Answer: (d)

5. If LOCK is coded as 14-13-5-9, then what is the code for PEST?

(a) 18-3-20-18

(b) 18-4-21-19

(c) 17-4-20-19

(d) 18-3-21-18

Answer: (d)

6. If RUSTY is coded as PSQRW, then what is the code for FLARE?

(a) EKZQD

(b) DJYPC

(c) CIXOB

(d) ELYSC

Answer: (b)

7. If P $ Q means P is the husband of Q; P ! Q means P is the mother Q and P * Q means P is the daughter of Q, which of the following shows that Z is brother of W's wife, if Z is male?

(a) W * X $ Y ! Z

(b) W $ X * Y ! Z

(c) W $ X ! Y * Z

(d) W * X ! Y $ Z

Answer: (b)

8. Vishal, Tanmay, Zain, Yashi, Rishi and Manish are sitting in a circle facing the centre. Rishi is opposite Manish, Yashi is to the left of Vishal who is opposite Tanmay. Who is to the left of Zain, if Manish is between Zain and Vishal?

(a) Vishal

(b) Tanmay

(c) Rishi

(d) Manish

Answer: (d)

9. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement 1 : All doors are windows.
Statement 2 : Some doors are gates.
Conclusion I : Some windows are gates.
Conclusion II : No gates are windows.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both I and II follow

(d) Neither I nor II follows

Answer: (a)

10. In the question two statements are given, followed by three conclusions, I, II and III. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement 1 : Some cars are scooters.
Statement 2 : All scooters are buses.
Conclusion I : Some scooters are cars.
Conclusion II : Some buses are cars.
Conclusion III : All cars are buses.

(a) Only conclusion I follows

(b) Only conclusion I and II follows

(c) Only conclusion I and III follows

(d) All conclusions I, II and III follow

Answer: (b)

11. In the question statement are given, followed by two arguments, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which argument(s) is/are strong based on the information provided.
Statement : Should the private sector be completely nationalised in India?
Argument I : Yes, the only way to develop the private sector is by nationalising them.
Argument II : No, because after nationalisation the private sector will operate less efficiently.

(a) Only argument I is strong

(b) Only argument II is strong

(c) Both I and II are strong

(d) Neither I nor II is strong

Answer: (d)

12. If $-2x < -13 + 5$, then which among the following is true?

(a) $x > 3$

(b) $x < 6$

(c) $x > 4$

(d) $x < 8$

Answer: (c)

13. Which two numbers should be interchanged to make the below equation mathematically correct?
15 + 48 ÷ 3 × 4 - 12 = 39

(a) 15, 12

(b) 3, 4

(c) 4, 12

(d) 15, 48

Answer: (b)

15. Ashish cycles 11 km south, then turns west and cycles 8 km, then turns north and cycles 6 km, then turns east and cycles 2 km, then turns to his left and cycles 5 km. Where is he now with reference to his starting position?

(a) 6 km west

(b) 6 km east

(c) 8 km east

(d) 8 km west

Answer: (a)

16. Richa walks 4 km in south-east direction, then she turns 90° to her left and walked for another 0.5 km, she then turns 180°. Which direction is she facing now?

(a) north-east

(b) south-west

(c) north-west

(d) south-east

Answer: (b)

General Awareness

21. Powada are usually ballads sung for the heroes of the past. It is associated with which of the following states?

(a) Tamil Nadu

(b) Maharashtra

(c) Madhya Pradesh

(d) Odisha

Answer: (b)

22. Performed by the community of snake charmers, _____ dance involves dancers emulating the movements of snakes.

(a) Kalbelia

(b) Ghoomar

(c) Kachchhi Ghodi

(d) Chari

Answer: (a)

23. _____ was called the First Truly Swadeshi bank and it was founded in the year 1911.

(a) Bank of Baroda
(b) Punjab National Bank
(c) Canara Bank
(d) Central Bank of India

Answer: (d)

24. As announced in the Budget 2021, to promote seaweed cultivation, Govt. will establish Multipurpose Seaweed Park in _____ by Indian Government.

(a) West Bengal
(b) Assam
(c) Tamil Nadu
(d) Pondicherry

Answer: (c)

25. What is the scientific name of Vitamin D?

(a) Tocopherol
(b) Calciferol
(c) Thiamine
(d) Riboflavin

Answer: (b)

26. _____ are called the amphibians of the plant kingdom.

(a) Bryophytes
(b) Angiosperms
(c) Pteridophytes
(d) Gymnosperms

Answer: (a)

27. Snails belongs to _____ animal phylum.

(a) Anthropoda
(b) Mollusca
(c) Echinodermata
(d) Platyhelminthes

Answer: (b)

28. Which among the following mountain ranges is the longest in the Lesser Himalayas?

(a) Mahabharat Lekh
(b) Dhauladhar
(c) Pir Panjal
(d) Nag Tibba

Answer: (c)

29. Black soil is also known as 'Black _____ Soil'.
    (a) Maize
    (b) Cotton
    (c) Rice
    (d) Bajara
    Answer: (b)

30. Baglihar Dam, built across Chenab river, is located in _____.
    (a) Jammu and Kashmir
    (b) Punjab
    (c) Uttarakhand
    (d) Himachal Pradesh
    Answer: (a)

31. The Rowlatt Act of 1919 was termed as the _____ Act.
    (a) Red
    (b) Blue
    (c) White
    (d) Black
    Answer: (d)

32. When was the second battle of Panipat fought?
    (a) 1628
    (b) 1761
    (c) 1556
    (d) 1527
    Answer: (c)

33. In 1945, Shimla Conference was proposed by _____ to solve the political deadlock.
    (a) Lord Wavell
    (b) Lord Cornwallis
    (c) Lord Canning
    (d) Lord Irwin
    Answer: (a)

34. We Are Displaced' is written by _____.
    (a) Venkaiah Naidu
    (b) Malala Yousafzai
    (c) Shashi Tharoor
    (d) Meenakshi Lekhi
    Answer: (b)

35. Which among the following films won the Oscar award 2020 for the Best International Feature Film of the year?

(a) Parasite
(b) Pain and Glory
(c) Honeyland
(d) Corpus Christi

Answer: (a)

36. United Nations Children's Fund (UNICEF) was founded in _____.

(a) 1948
(b) 1947
(c) 1945
(d) 1946

Answer: (d)

37. The concept of Fundamental Duties in the Indian constitution is borrowed from the constitution of _____.

(a) France
(b) Canada
(c) Union of Soviet Socialist Republics (USSR)
(d) Ireland

Answer: (c)

38. Which among the following constitutional amen ents is associated with the formation of Arunachal Pradesh legislative assembly?

(a) 25th
(b) 37th
(c) 28th
(d) 32nd

Answer: (b)

39. Who won the BBC Indian Sportswoman of the Year 2021?

(a) Sania Mirza
(b) Saina Nehwal
(c) P.V. Sindhu
(d) Koneru Humpy

Answer: (d)

40. Solheim Cup is associated with which of the following games?

(a) Golf
(b) Hockey
(c) Cricket
(d) Football

Answer: (a)

Arithmetic Ability

41. What is the LCM of 24 and 36?
(a) 44
(b) 72
(c) 36
(d) 48
Answer: (b)

42. What must be added to 45680 to make it exactly divisible by 9?
(a) 1
(b) 0
(c) 4
(d) 5
Answer: (c)

43. Which is the largest among 1/2, 2/3, 4/5, 1?
(a) 1
(b) 1/2
(c) 2/3
(d) 4/5
Answer: (a)

44. What is the number which on dividing 80 and 85 leaves a remainder of 3 and 1 respectively?
(a) 7
(b) 11
(c) 5
(d) 6
Answer: (a)

45. What is the least perfect square that is a multiple of 7, 11 and 12?
(a) 853776
(b) 9000
(c) 45000
(d) 8100
Answer: (a)

46. The average height of a class of 40 students is 100 cm. If height of the teacher is included, the average increases by 1 cm. What is the height of the teacher?
(a) 141 cm
(b) 140 cm
(c) 142 cm
(d) 143 cm
Answer: (a)

47. P borrowed an amount from Q at a simple interest of 10% p.a. At the end of the year, P paid back Rs 99000 which was 90% of what she owed.
How much money did P borrow?

(a) Rs 90000
(b) Rs 100000
(c) Rs 11000
(d) Rs 111000

Answer: (b)

48. Saumya donates 8% of her salary as a charity. If she donated Rs 115200 in a year, what was her monthly income?

(a) Rs 10000
(b) Rs 160000
(c) Rs 120000
(d) Rs 240000

Answer: (c)

49. Which of the following is the single discount equivalent to successive discounts of 10% and 20%?

(a) 30%
(b) 32%
(c) 15%
(d) 28%

Answer: (d)

50. A trader cheats his customers by using w % less than the true weight. On selling an item worth Rs 2000 per kilo at the cost price he makes a profit of 25%. What is the value of x?

(a) 20%
(b) 25%
(c) 30%
(d) 50%

Answer: (a)

51. A 70 litre mixture has liquids A and B in the ratio 5 : 9. How many litres of liquid A must be added so that the ratio becomes 2 : 3?

(a) 5 litres
(b) 4 litres
(c) 3 litres
(d) 10 litres

Answer: (a)

52. P and Q were to compete in a 12 km race. P takes 2 hours less than Q to complete the race. Had Q increased his speed by 100%, he would have completed the race in 3 hours. What is the speed of P?

(a) 1 km/h
(b) 4 km/h
(c) 2 km/h
(d) 3 km/h

Answer: (d)

53. A car can cover 150 km at a certain time. If its speed is decreased by 5km/h, the same car requires one hour extra time to cover the same distance.
What is the speed of the car?

(a) 25 km/h
(b) 30 km/h
(c) 35km/h
(d) 18 km/h

Answer: (b)

54. Irina and Isla can complete a piece of work in 20 and 25 days respectively. If they were working together, what percent of the work will be completed in 5 days?

(a) 36%
(b) 45%
(c) 40%
(d) 30%

Answer: (b)

55. In a village a well of height 60 m and of diameter 4 m was dug and the earth that was dug out was spread out in the shape of a cone of height 20 m.
What will be the radius of the cone so formed?

(a) 10 m
(b) 3 m
(c) 6 m
(d) 5 m

Answer: (c)

56. A cone of radius 5 cm and height 12 cm was attached to a solid cylinder of the same dimensions. What will be the total cost of painting the entire solid at the rate of Rs 10 per sq cm?

(a) Rs 660
(b) Rs 6600
(c) Rs 6000
(d) Rs 66000

Answer: (b)

General English

61. 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'.
Ecological connectivity can also help species adopt to future / environmental conditions and buffer / changes by bolstering ecological resilience.

(a) Ecological connectivity can also help species adopt to future

(b) environmental conditions and buffer

(c) changes by bolstering ecological resilience.

(d) No Error

Answer: (a)

62. 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'.
On 22nd May 2020, India would be launching it's / Marine Turtle Policy aimed at addressing the / pollution caused by micro-plastics.

(a) On 22nd May 2020, India would be launching it's

(b) Marine Turtle Policy aimed at addressing the

(c) pollution caused by micro-plastics.

(d) No Error

Answer: (a)

63. The sentence below has been divided into three p s. Select the part of the sentence that has an error. If the sentence has no error, select the opti No Error'.
It must be compelled that during the first three dec s /
of the 19th century, the development of ed tion ok place only through the traditional institutions.

(a) It must be compelled that during the first three decades

(b) of the 19th century, the development of education

(c) took place only through the traditional institutions.

(d) No Error

Answer: (a)

64. Select the most appropriate 'one word ' for the expression given below.
"having very little money"

(a) wholesome

(b) impeccant

(c) impeccable

(d) impecunious

Answer: (d)

65. Select the most appropriate 'one word ' for the expression given below.
"strange and unpleasant, especially in a silly or slightly frightening way"

(a) grotto
(b) grotesque
(c) grumpy
(d) grunge

Answer: (b)

66. Fill in the blank with the appropriate word.
There is no such thing as voluntary attention _____ for more than a few seconds at a time.

(a) sustained
(b) levied
(c) taken
(d) shrunken

Answer: (a)

67. Fill in the blank with the appropriate word.
_____ may refer to being clear of immediate or residual effects of any mind-altering substances.

(a) Sorority
(b) Austerity
(c) Sobriety
(d) Atrocity

Answer: (c)

68. Some parts of a sentence have been ju[illegible]led [illegible] and labelled P, Q, R and S. Select the option that gives the correct sequence in which thes[illegible] can be rearranged to form a meaningful and grammatically correct sentence.
Being the
P: it is important to look through samples of essays
Q: to get a clear picture of how to write one
R: and university students,
S: most important writing task for college
on your own.

(a) PSQR
(b) RSQP
(c) PSRQ
(d) SRPQ

Answer: (d)

69. 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.
Although Amazon
P: the first streaming service to produce an Oscar-winning movie
Q: screenplay in 2016, it has adopted a more
R: when Manchester by the Sea won best actor for Casey Affleck and best original
S: beat Netflix to become
low-key strategy.

(a) SPRQ
(b) PQSR
(c) SPQR
(d) PSQR

Answer: (a)

70. Select the word that is closest in meaning (SYNONYM) to the word given below.
CAISSON

(a) Ration
(b) Case
(c) Raisins
(d) Monarch

Answer: (b)

71. Select the word that is the opposite meaning (AN NYM) to the word given below.
"Mirage"

(a) Reality
(b) Hallucination
(c) Phantasm
(d) Fantasy

Answer: (a)

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

(a) GORMETTE
(b) GOURMET
(c) GOURMEY
(d) GORMETT

Answer: (b)

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

(a) KALAIDOSCOPE
(b) KALEIDSCOPE
(c) KALEIDOSCOPE
(d) KALAIDSCOPE

Answer: (c)

74. Select the most appropriate meaning of the given idiom.
"Cook the books"

(a) Wasting a valuable resource completing a task

(b) Using an incorrect tool for

(c) Not knowing the right thing to do

(d) Dishonest accounting

Answer: (d)

75. Select the most appropriate meaning of the given idiom.
"chink in one's armor"

(a) Most resilient area

(b) Vulnerable area

(c) Most guarded area

(d) The shiny edge resembling the strengths

Answer: (b)

76. Data mining is used for :

(a) To turn on the light

(b) Making decisions about us

(c) Shaping diamond mines to give a better yield

(d) To search the correct keyword on search engines on the internet

Answer: (b)

77. How has data mining improved our lives ?

(a) Data mined from the user is cheaply sold in the market.

(b) Data mining has barely had any impact on the society

(c) Data mined from the user tells the internet about the needs and wants of the users and give appropriate search results.

(d) Data mining requires more cookies which indeed makes the internet slower

Answer: (c)

78. How can we utilise big data in a better fashion ?

(a) We should be able to control how our data is used

(b) Everybody should be taught in detail big data and data mining

(c) Insurance companies should not be allowed to used mined data

(d) Job employer should have all the data about his employee

Answer: (a)

79. Why is data mining becoming a reason for concern ?

(a) updated standards of control and privacy contracts with data companies

(b) data mining may pose a threat to our privacy and data security.

(c) major data mining applications do not even touch personal data

(d) we as individuals do not benefit from this wealth of data as much as we could

Answer: (b)

80. In Data for the People, Andreas Weigend draws on his years as a consultant for:

(a) Commerce, education, healthcare, travel and finance companies

(b) Commerce, education, healthcare, production and finance companies

(c) Commerce, education, manufacturing, travel and finance companies

(d) Science, education, healthcare, travel and finance companies

Answer: (a)

Discipline2

139. For a trapezoidal channel of specified side slope, the most economical cross-section for conveying the maximum discharge through the channel section is given by the condition:

(a) Hydraulic radius must be equal to the depth of Flow

(b) Hydraulic radius must be equal to half the depth of Flow

(c) Top width must be equal to one of the sloping side of channel

(d) Twice the Top width must be equal to one of the sloping side of channel

Answer: (b)

140. The addition of 50 decibel noise with another 50 decibel noise is equivalent to a noise of:

(a) 100 decibel

(b) 83 decibel

(c) 73 decibel

(d) 53 decibel

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 Ability

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

General Awareness

21	**(b)**	22	**(a)**	23	**(d)**	24	**(c)**	25	**(b)**	26	**(a)**	27	**(b)**	28	**(c)**
29	**(b)**	30	**(a)**	31	**(d)**	32	**(c)**	33	**(a)**	34	**(b)**	35	**(a)**	36	**(d)**
37	**(c)**	38	**(b)**	39	**(d)**	40	**(a)**								

Arithmetic Ability

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

General English

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

Discipline2

139	**(b)**	140	**(d)**