PREVIOUS YEAR PAPER

DSSSB Junior Engineer (Civil) or Section Officer (Civil) 2022 — 27 June 2022, Shift 2

DSSSB Other Posts · 27 June 2022 · Shift 2

71 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: 129 (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 27 June 2022, Shift 2. 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-2022-junior-engineer-civil-or-section-officer-civil-27-jun-shift-2/

Mental Ability

1. Seven friends named P, Q, R, S, T, U and V live on different floors of a building with floor numbered 1 to 7 from bottom to top. Equal numbers of persons live above and below U. Q lives on floor 2. P lives on the floor just below T's floor. S lives on the floor between P and U. Q lives on the floor between V and R. Three persons live between V and T. Who lives on floor 1?

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

Answer: (a)

2. Two statements are given, followed by t sions numbered I and II. Assuming the statements to be true, even if they seem to be a iance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statement:
I. No calculator is table.
II. No calculator is spoon.
Conclusions:
I. No spoon is calculator.
II. No spoon is table.

(a) Only Conclusion I follows
(b) Only Conclusion II follows
(c) Both conclusions I and II follow
(d) Either conclusion I or II follows

Answer: (a)

3. Among five rods P, Q, R, S and T; the weight of R is half the weight of S. The weight of Q is four times the weight of P. The weight of S is five times the weight of P. T is twice the weight of S. Which is the heaviest rod among these five rods?

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

Answer: (d)

4. Select the letter cluster that will replace the question mark (?) in the following series.
GNQ-7, ELO-15, CJM-31, AHK-63, ?

(a) XEI-125
(b) YGH-127
(c) YFI-127
(d) YFI-132

Answer: (c)

5. If 20th November 2012 is Tuesday, what would be the day of the week on 20th November 2018?

(a) Tuesday
(b) Wednesday
(c) Thursday
(d) Friday

Answer: (a)

6. Hardika is standing in a park facing the east direction. She turns 135 degrees anticlockwise. After that, she turns 90 degree anticlockwise.
Then she finally turns 45 degrees anticlockwise. In which direction is she facing now?

(a) North
(b) South
(c) West
(d) Southwest

Answer: (b)

7. Pointing to the photograph of a boy Nirvaan, a lady named Malti said, 'he is the son of my daughter's paternal grandfather Manohar's only son Vinod', if Parvati is the mother of Vinod, how is Parvati related to Malti?

(a) Sister-in-law
(b) Daughter-in-law
(c) Mother
(d) Mother-in-law

Answer: (d)

8. If A & B means 'A is the sister of B', A # B means 'A is the husband of B', A @ B means 'A is the daughter of B'. How is N related to D in the expression 'N # G & V @ T # D'?

(a) Son

(b) Father

(c) Paternal uncle

(d) Son-in-law

Answer: (d)

9. Three of the following four letter-clusters pairs are alike in some manner and one is different. Identify the one which is different.

(a) GEM : NFH

(b) RIM : NJS

(c) PET : QAV

(d) CUT : UVD

Answer: (c)

10. Three of the following four word pairs are alike in some manner and one is different. Identify the one which is different.

(a) Colossus : Dwarf

(b) Picturesque : Ugly

(c) Audacity : Timidity

(d) Authenticity : Accuracy

Answer: (d)

11. A statement is followed by two assumptions numbered I and II. Assuming everything in the statement to be true, decide which of the assumption/s is/are implicit in the statement.
Statement: The Urban Improvement Trust has issues notices to some property owners for unlawfully building and extending house structures which is not according to the approved plan of construction.
Assumptions:
I. It is illegal to build houses if the neighbour's consent is not received before starting the construction.
II. The Urban Improvement Trust has the authority to regulate and monitor construction of houses and to intervene if any violation of laws is observed.

(a) Only I is implicit.

(b) Only II is implicit.

(c) Both I and II are implicit.

(d) Neither I nor II are implicit.

Answer: (b)

17. Which number will replace the question mark (?) in the following series?
24, 23, 46, 43, 172, ?

(a) 167
(b) 344
(c) 177
(d) 185

Answer: (a)

18. Which number in the following series is wrong?
45, 47, 52, 62, 79, 105, 140, 192

(a) 79
(b) 105
(c) 140
(d) 192

Answer: (c)

19. Three of the following four number triads are alike in some manner and one is different. Identify the one which is different.

(a) (17, 42, 5)
(b) (41, 102, 7)
(c) (19, 55, 6)
(d) (23, 104, 9)

Answer: (b)

20. What approximate value should come in place of the question mark (?) in the following expression?
32.996 + 6.956 × 2.008 + 26.995 ÷ 2.989 –7.021 = ?

(a) 39
(b) 49
(c) 53
(d) 37

Answer: (b)

General Awareness

21. What is the full name of NFTs which are cryptographic assets on a blockchain with unique identification codes and metadata that distinguish them from each other?

(a) Non-fragile tokens
(b) Non-fungible takers
(c) Null-fungible tokens
(d) Non-fungible tokens

Answer: (d)

22. Sergey Brin was one of the founders of which of the following companies?

(a) Google

(b) Facebook

(c) Twitter

(d) LinkedIn

Answer: (a)

23. Which of the following protocol provides a standard method for terminal devices and terminal-oriented processes to interface?

(a) Simple mail transport Protocol

(b) Post office Protocol

(c) Transmission Control Protocol

(d) Telnet Protocol

Answer: (d)

24. Which of the following schemes is aims to benefit the minority youths who do not have a formal school-leaving certificate to provide them formal education and skills, and enable them to seek better employment and livelihoods in the organized sector?

(a) USTTAD

(b) Seekho aur Kamao

(c) Nai Manzil

(d) Naya Savera

Answer: (c)

25. When was the National Minorities Development Finance Corporation (NMDFC) was incorporated?

(a) 1991

(b) 1992

(c) 1993

(d) 1994

Answer: (d)

26. Under Assam Accord of 1985, foreigners who had entered Assam before March 25, _____ were to be given citizenship.

(a) 1966

(b) 1971

(c) 1954

(d) 1981

Answer: (b)

27. Sardar Vallabhbhai Sports Enclave is located at _____.

(a) Ahmadabad
(b) Porbandar
(c) Rajkot
(d) Surat

Answer: (a)

28. World Table Tennis Day (WTTD) is celebrated annually on _____.

(a) Jun 9
(b) May 7
(c) April 6
(d) August 24

Answer: (c)

29. Battle of Chamkaur was fought between Guru Gobind Singh and _____.

(a) Britishers
(b) Mughals
(c) Prorogues
(d) Khaljis

Answer: (b)

30. What is the full name of the Chinese army which is called PLA?

(a) Protection and Liberty Army
(b) Protection and Liberation Army
(c) People's Liberation Army
(d) People's Liberty Army

Answer: (c)

31. The Ustad Bismillah Khan Yuva Puraskar was introduced in the year _____.

(a) 2003
(b) 2004
(c) 2005
(d) 2006

Answer: (d)

32. Kishori Amonkar belongs to which of the following Gharana (community of musicians sharing a distinctive musical style)?

(a) Jaipur Gharana
(b) Agra Gharana
(c) Lucknow Gharana
(d) Kanpur Gharana

Answer: (a)

33. In which of the following states the Kila Raipur (Qila Raipur) Sports Festival is organized?
    (a) Manipur
    (b) Odisha
    (c) Chhattisgarh
    (d) Punjab
    Answer: (d)

34. As of January 2022, who holds the position of Vice-Chairperson of NITI Aayog?
    (a) Prakash Loungani
    (b) Dr. Rajiv Kumar
    (c) Bibek Debroy
    (d) Montek Singh Ahluwalia
    Answer: (b)

35. Bhadra Wildlife Sanctuary is located in which of the following states?
    (a) Tamil Nadu
    (b) Goa
    (c) Telangana
    (d) Karnataka
    Answer: (d)

36. As per the census 2011, what was the proposition children in the age group of 0-6 years in the total population of India?
    (a) 10.24
    (b) 13.93
    (c) 15.93
    (d) 18.44
    Answer: (b)

37. Salki Hydroelectric Project is located in _____.
    (a) Odisha
    (b) Rajasthan
    (c) Karnataka
    (d) Bihar
    Answer: (a)

38. GSLV MKIII Project was approved in _____.
    (a) 2002
    (b) 2003
    (c) 2004
    (d) 2005
    Answer: (a)

39. Which of the following is not an Antioxidants?

(a) Beta-carotene

(b) Lutein

(c) Globulin

(d) Selenium

Answer: (c)

40. In which of the following years, right of child to free and compulsory education act was passed?

(a) 2005

(b) 1988

(c) 1999

(d) 2009

Answer: (d)

Arithmetic Ability

41. The LCM of 48, 92 and N is 5520. If their HCF is 4 then which of the following can be one of the values of N?

(a) 119

(b) 120

(c) 123

(d) 125

Answer: (b)

42. The LCM of two numbers is 30 times c[illegible]ir H[illegible]. The sum of the LCM and HCF is 1302. If one of the numbers is 140. Find the other number.

(a) 375

(b) 376

(c) 377

(d) 378

Answer: (d)

43. How many Zeros will be there at the end of the expression N = 9 × 18 × 27 × ..... × 999 ?

(a) 25

(b) 26

(c) 24

(d) 23

Answer: (b)

44. Rate of inflation is 1500% per annum. What is the value of an article two years from now if it costs Rs 5 today?

(a) Rs 1324

(b) Rs 1280

(c) Rs 1256

(d) Rs 1342

Answer: (b)

45. An electrical contractor purchased a certain amount of copper wire of which 15% was stolen. After using 80% of the remainder, he had left 34 metres of wire left. How much wire did he purchase?

(a) 165 m

(b) 150 m

(c) 200 m

(d) 203 m

Answer: (c)

46. A seller offers discounts on the basis of the number of items purchased. He gives a discount of 5% when 4 items are bought and a discount of 12% when 10 items are bought. If the profit he makes in each case is the same, find the ratio of the marked price to the cost price of the article.

(a) 6 : 5

(b) 5 : 6

(c) 4 : 5

(d) 5 : 4

Answer: (a)

47. Simple interest on a certain sum at 3% per annum for 2 years is Rs 45. What is the compound annually on the same sum for the same period of time?

(a) Rs 46.70

(b) Rs 43.70

(c) Rs 45.70

(d) Rs 48.70

Answer: (c)

48. X borrows a certain sum from Y at a certain rate of simple interest for 2 years. He lends this sum to Z at the same rate of interest, but compounded annually for the same period. At the end of 2 years, he receives Rs 3200 as compound interest, but paid Rs 2800 as simple interest. What is the rate of interest?

(a) 13.29%

(b) 14.29%

(c) 14.69%

(d) 15.29%

Answer: (b)

49. When the speed of the train is increased by 10% it takes 10min less to cover the same distance. What is the time taken to cover the same distance with the actual speed?

(a) 115 min

(b) 118 min

(c) 110 min

(d) 112 min

Answer: (c)

50. Two persons 24 km apart start at the same time and are together in 8 hrs if they walk in same direction. But if they walk in opposite direction, they are together in 4 hrs. What are their speeds in km/hr.

(a) 2.5,3.5

(b) 4,2

(c) 4,1

(d) 4.5,1.5

Answer: (d)

51. Difference between the time taken in covering a certain journey decrease by 35min. When the speed is increased from 5 km/hr to 10 km/hr.
What is the difference between the time taken when the same distance is covered at a speed of 30 km/hr and 15 km/hr?

(a) 12.33 min

(b) 11.66 min

(c) 12.55 min

(d) 12.58 min

Answer: (b)

52. The average of 8 two-digit positive integers is x. However, one number AB is taken as BA then the average increases to x+1.75. What is the value of B-A?

(a) 2

(b) 3

(c) 4

(d) 1

Answer: (a)

53. The average height of the girls of a class is 152 cm and the average height of the boys of the class is 5 cm more than the average of the class. If the number of girls is 10% less than the number of boys. What is the average height of the boys?

(a) 158.36 cm

(b) 163.25 cm

(c) 162.56 cm

(d) 154.32 cm

Answer: (c)

54. ABC is a right-angled triangle BD is perpendicular to AC. If AD = 9 cm and Dc = 4 cm then BD = ?

(a) 3 cm

(b) 4 cm

(c) 5 cm

(d) 6 cm

Answer: (d)

55. Two identical circles intersect so that their centres and the points at which they intersect, form a square of side 2 cm. The area in sq cm of the portion that is common to the two circles is:

(a) 3π-4

(b) 2π-1

(c) 2π-4

(d) π-4

Answer: (c)

57. Find the length of the common chord of two circles whose radii are 3 cm and 4cm respectively, whose center is 6 cm apart. (Round off value)

(a) 3.1 cm

(b) 3.6 cm

(c) 3.7 cm

(d) 3.8 cm

Answer: (b)

60. Find the percentage deviation(formula) of Mala[illegible] from the average value of production per country for each of the 6 countries.(UPTO [illegible] der[illegible]al)

(a) 33.5

(b) 34.6

(c) 35.2

(d) 38.4

Answer: (d)

General English

61. Select the most appropriate option to fill in the blank.
They have reconciled _____ the fact that their father is no more now.

(a) at

(b) to

(c) up

(d) for

Answer: (b)

62. Select the most appropriate option to fill in the blank.
Some miscreants set a public bus _____fire when the protest turned violent.

(a) on
(b) in
(c) to
(d) for

Answer: (a)

63. Select the most appropriate option to fill in the blank.
You have to accept the fact that you failed because you _____- hard enough.

(a) didn't work
(b) aren't working
(c) will not work
(d) haven't worked

Answer: (a)

64. Select the most appropriate synonym of the given word.
AFFABLE

(a) Rude
(b) Friendly
(c) miserable
(d) Irritable

Answer: (b)

65. Select the most appropriate synonym of the given word.
PLACID

(a) Disturbed
(b) Agitated
(c) Calm
(d) Violent

Answer: (c)

66. Select the most appropriate antonym of the given word.
REPRIMAND

(a) Blame
(b) Censure
(c) Commend
(d) Chide

Answer: (c)

67. Select the most appropriate option to fill in the blank.
She didn't _____ any gifts from her friends and relatives _____ her parents.

(a) Accept; except
(b) Accept; accept
(c) Except; except
(d) Except; accept

Answer: (a)

68. Complete the following proverb.
_____ than words.

(a) objects are better
(b) pictures speak better
(c) actions speak louder
(d) doing things matters more

Answer: (c)

69. Complete the following proverb. beggars can't be _____.

(a) Choosers
(b) Rich
(c) Wealthy
(d) Losers

Answer: (a)

70. Select the most appropriate meaning of the give diom. give someone enough rope

(a) to give many directives
(b) to allow someone freedom of action
(c) to give advice to someone
(d) to train someone thoroughly

Answer: (b)

71. Select the most appropriate idiom to fill in the blank.
Please tell me _____ what the issue was, why they were fighting.

(a) in the bag
(b) in hot water
(c) in a nutshell
(d) in the pink

Answer: (c)

72. Select the sentence part which has an error in spelling. If there is no error, select 'No error'.
He has never got success in his carrere as he keeps changing his jobs.

(a) He has never got success
(b) in his carrere as he keeps
(c) changing his jobs.
(d) No error

Answer: (b)

73. Select the sentence part which has an error in spelling. If there is no error, select 'No error'.
It is prohibited to smoke a cigarette in the auditoriam.

(a) It is prohibited
(b) to smoke a cigarette
(c) in the auditoriam.
(d) No error

Answer: (c)

74. Select the sentence which is meaningful and grammatically correct.

(a) On the Delhi Meerut Expressway since January toll tax the government has levied.
(b) The government has levied toll tax on the Delhi Meerut Expressway since January.
(c) The government has levied since January on the Delhi Meerut Expressway toll tax.
(d) Toll tax since January on the Delhi Meerut Expressway the government has levied

Answer: (b)

75. Select the most appropriate option to fill in the blank.
He was so _____ about his losses in the business that he could hardly sleep at night.

(a) Careful
(b) Anxious
(c) Confident
(d) Inattentive

Answer: (b)

77. What helped the scientist find out the age of Otz e Iceman?

(a) Microscopic analysis of his stomacl
(b) Low levels of subcutaneous fat on his bo
(c) analysis of the osteons in his bones
(d) examination of his teeth, and his joints

Answer: (c)

78. Which of the following items was found in the later excavations?

(a) his ax
(b) unfinished bow
(c) Knife
(d) string

Answer: (c)

79. How did the scientists know that Otzi had perhaps spent a lot of time around open fires during his life?

(a) from the stomach ulcers
(b) from soot in his lungs
(c) from the wear and tear of hi teeth
(d) from intestinal parasites

Answer: (b)

80. "The latter were made out of deer hide stretched on a string netting". The word 'latter' here refers to

(a) Shoes

(b) Cloak

(c) Leggings

(d) Belt

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.

Mental Ability

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

General Awareness

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

Arithmetic Ability

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

General English

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