PREVIOUS YEAR PAPER

DSSSB PGT Horticulture 2023 — 22 June 2023, Shift 1

DSSSB PGT · 22 June 2023 · Shift 1

45 of the paper's 300 questions · +1 for a correct answer, −0.25 for a wrong one

Left out of the original paper: 255 (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 22 June 2023, Shift 1. 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-pgt/previous-year-papers/dsssb-pgt-2023-horticulture-22-jun-shift-1/

General

5. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
I) Some rats are bats.
II) Some bats are cats.
III) All cats are dogs.
Conclusions:
I) Some dogs are bats.
II) Some cats are rats.
III) Some dogs are rats.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Only conclusion III follows

(d) Conclusion I and III follow

Answer: (a)

7. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
_ b b c _ d e a _ b _ a d e _ b b _ a d e a _ b c a _ e a b b _ a _ e

(a) cabccabddc

(b) cabbcabdcd

(c) abbccabdcd

(d) aabcacbdcd

Answer: (d)

11. 'Z + A' means 'Z is the son of A' 'Z & A' means 'Z is the wife of A' 'Z $ A' means 'Z is the brother of A' 'Z ÷ A' means 'Z is the mother of A' 'Z = A' means 'Z is the sister of A' If 'X & Z $ A = Y + B ÷ Z', then how is B related to X?

(a) Mother

(b) Mother-in-law

(c) Father

(d) Aunt

Answer: (b)

12. In a certain code language,
'A + B' means 'A is the wife of B',
'A – B' means 'A is the mother of B',
'A × B' means 'A is the son of B',
'A ÷ B' means 'A is the father of B'
Based on the above, how is U related to Y if 'T ÷ U + V × W – X × Y'?

(a) Daughter

(b) Son's wife

(c) Sister

(d) Mother

Answer: (b)

14. In the following triad, each letter-cluster is related to the subsequent one following a certain logic.
Select the option that follows the same logic.
CHIP–PHCI–HIPC

(a) HAIR–AIRH–AHIR

(b) JUST–TJUS–UTJS

(c) KING–GNIK–INKG

(d) DOWN–NODW–OWND

Answer: (d)

15. Four word-pairs have been given out of which three are alike in some manner and one is different.
Select the word-pair that is different.

(a) Rock-Brick

(b) Rich-Poor

(c) Stones-Pebbles

(d) Cement-Sand

Answer: (b)

16. The following two Statements (I) and (II) are the effects of independent causes or a common cause. One of the statements may be the effect of the other statement. Read both the statements and select the option that depicts the relationship between these two statements.
(I) The sale of electric vehicles has increased.
(II) The prices of fuel have increased.

(a) Statement (I) is the cause and Statement (II) is the effect.

(b) Statement (II) is the cause and Statement (I) is the effect.

(c) Both Statements (I) and (II) are the effects of some independent causes.

(d) Both Statements (I) and (II) are the effects of some common cause.

Answer: (b)

17. The following two Statements (I) and (II) are the effects of independent causes or a common cause. One of the statements may be the effect of the other statement. Read both the statements and select the option that depicts the relationship between these two statements.
(I) Winter has arrived.
(II) People have started using geysers more than usual.

(a) Statement (I) is the cause and Statement (II) is the effect.

(b) Statement (II) is the cause and Statement (I) is the effect.

(c) Both Statements (I) and (II) are the effects of some independent causes.

(d) Both Statements (I) and (II) are the effects of some common cause.

Answer: (a)

18. What should come in place of the question mark (?) in the given series?
9, 101, 999, 10001, ?

(a) 99999

(b) 99998

(c) 99990

(d) 100000

Answer: (a)

19. Select the number from among the given options that can replace the question mark (?) in the following series.
128, 120, 256, 240, 1024, ?

(a) 480

(b) 960

(c) 1000

(d) 512

Answer: (b)

21. Which of the following institutions was awarded the UNESCO Literacy Prize for Innovation in Education in 2021?

(a) National Council of Educational Research and Training

(b) Indira Gandhi National Open University

(c) All India Council for Technical Education

(d) National Institute of Open Schooling

Answer: (d)

22. Which social challenge has been reported in 'The Inequality Virus' by OXFAM International in January 2021?

(a) Caste discrimination
(b) Income, gender and race inequalities
(c) Regional diversities
(d) Inequality in sex ratio

Answer: (b)

23. Which of the following departments/ministries released the Harmonised Guidelines and Standards for Universal Accessibility in India 2021?

(a) Central Public Works Department
(b) Ministry of Home Affairs
(c) Department of Primary Education
(d) Ministry of Defence

Answer: (a)

24. As per a press release issued by the Ministry of Youth Affairs and Sports in August 2021, how many Khelo India Centres will be established across the country?

(a) 500 centres
(b) 600 centres
(c) 800 centres
(d) 1000 centres

Answer: (d)

25. Which theory was articulated by Jinnah at the Lahore Resolution ('Pakistan Resolution') presented at the Muslim League's annual session held in Lahore in 1940?

(a) Single-nation theory
(b) Three-nation theory
(c) Two-nation theory
(d) Islamic nation theory

Answer: (c)

26. Who among the following rulers of Delhi Sultanate is known for his Market Reforms?

(a) Alauddin Khilji
(b) Iltutmish
(c) Razia Sultan
(d) Balban

Answer: (a)

27. Which of the following Buddhist sites witnessed Gautam Buddha's first sermon?

(a) Sarnath
(b) Dhauli
(c) Jaugarh
(d) Ratnagiri

Answer: (a)

28. Which of the following dance forms is attributed to the Manipuri Dance?

(a) Chhau

(b) Jagoi

(c) Bihu

(d) Karma

Answer: (b)

30. Which of the following is a feature of Micro credit?

(a) Does not require any collateral for loan

(b) Does not offer any micro loan

(c) Repaid frequency is very low

(d) Loan tenure is high

Answer: (a)

31. In the year _____, Life Insurance Corporation (LIC) absorbed a total of _____ Indian and foreign insurers.

(a) 1956; 245

(b) 1951; 145

(c) 1991; 245

(d) 1991; 145

Answer: (a)

32. The word 'Monsoon' is derived from

(a) the Arabic word 'Mausim'

(b) the Greek word 'Mosin'

(c) the Roman word 'Moonsim'

(d) the Latin word 'Monsin'

Answer: (a)

33. The 86th Constitutional Amendment Act of 2002, passed by the Indian Parliament, establishes the basic rights to primary education for children aged _____.

(a) 5-11 years

(b) 6-14 years

(c) 7-16 years

(d) 6-17 years

Answer: (b)

34. When was the National Infrastructure Pipeline launched in India?

(a) 2016

(b) 2017

(c) 2018

(d) 2019

Answer: (d)

35. Identify the odd option from among the following.
    (a) Khair
    (b) Teak
    (c) Sheesham
    (d) Peepal
    Answer: (a)

36. Which of the following is an example of a Detritivores?
    (a) Earthworm
    (b) Crow
    (c) Vulture
    (d) Fungi
    Answer: (a)

37. Which of the following is an example of a fluid?
    (a) Wood
    (b) Mercury
    (c) Marble
    (d) Glass
    Answer: (b)

38. For how many days in total were Fundamental Rig discussed in the sub-committee, advisory committee and in the constituent assemblies during framing of the Constitution?
    (a) 62
    (b) 58
    (c) 38
    (d) 42
    Answer: (c)

39. Under which Article of the Constitution can ad-hoc judges be appointed to the Supreme Court?
    (a) Article 124
    (b) Article 125
    (c) Article 127
    (d) Article 128
    Answer: (c)

40. How many Rajya Sabha seats are allotted to the state of West Bengal?
    (a) 16
    (b) 10
    (c) 7
    (d) 19
    Answer: (a)

41. Which of the following is NOT divisible by 4?

(a) 467540

(b) 367328

(c) 546714

(d) 556824

Answer: (c)

44. R needs ₹1,50,000 as income from his investments. He deposited ₹8,00,000 in a bank which gives ₹4,500 as interest per lakh. He deposited ₹6,00,000 in the post office which gives ₹50,000 as interest and the rest in the share market. In the share market, he earns ₹1,500 for every ₹25,000. How much money did he invest in the share market?

(a) Between ₹8,00,000 and ₹9,00,000

(b) Between ₹9,00,000 and ₹10,00,000

(c) Between ₹10,00,000 and ₹11,00,000

(d) Between ₹11,00,000 and ₹12,00,000

Answer: (c)

45. A number is increased by 25% and then decreased by 15%. The resulting number is 17 more than the original number. Find the original number.

(a) 340

(b) 289

(c) 110

(d) 272

Answer: (d)

46. Gopal bought an article for Rs.200 and sold it a profit of 10%. What would have been the increase in profit per cent if it was sold for Rs.230?

(a) 5%

(b) 10%

(c) 15%

(d) 20%

Answer: (a)

50. If A :B=2:3,B:C=3:4 and C:D=4:5, then the ratio of A:D is equal to:

(a) 2:3

(b) 2:5

(c) 5:2

(d) 5:7

Answer: (b)

51. A person took a certain loan from a bank at the rate of 9% per annum. He paid a simple interest amounting to₹2,160 in 3 years. Find the amount of the loan.

(a) ₹7,500
(b) ₹7,800
(c) ₹8,000
(d) ₹8,400

Answer: (c)

52. The compound interest on ₹3,90,625 in 2 years at 8% per annum, the interest being compounded half-yearly, is:

(a) ₹31,875
(b) ₹66,351
(c) ₹143,972
(d) ₹32,200

Answer: (b)

53. A train 450m long takes 45s to cross a man running at a speed of 8 km/h in the same direction as that of the train. What is the speed of the train?

(a) 42 km/h
(b) 43 km/h
(c) 44 km/h
(d) 45 km/h

Answer: (c)

54. The police noticed a thief from a distar of 3 m. Afraid of being caught by the police, the thief started running at 7 km/h. The police st asing him at speed of 8 km/h and caught the thief.
How much distance did the thief run before he was caught?

(a) 1,900 m
(b) 1,800 m
(c) 2,100 m
(d) 2,400 m

Answer: (c)

55. A can do a piece of work in 40 days and B can do it in 60 days. In how many days will they finish the work, both working together?

(a) 30 days
(b) 32 days
(c) 24 days
(d) 25 days

Answer: (c)

56. Raju can finish a job in 20 days and Vishal can finish the same job in 30 days. In how many days can they finish the job working together?

(a) 10
(b) 6
(c) 12
(d) 25

Answer: (c)

59. In a rhombus ABCD, the length of the diagonals AC and BD are 16 cm and 12 cm, respectively. What is the perimeter (in cm)?

(a) 100
(b) 56
(c) 40
(d) 36

Answer: (c)

60. A solid sphere of radius 10 cm is melted and recast into small solid spheres of radius 0.5 cm. How many small spheres are formed?

(a) 8000
(b) 16000
(c) 800
(d) 1600

Answer: (a)

77. The word 'rhamphotheca' means:

(a) the bird's bill made up of keratin
(b) the rump of the tail
(c) a layer of feathers
(d) the bird's tail feathers

Answer: (a)

78. Carotenoid pigments in birds come from _____.

(a) strong offensive odour
(b) food items that they consume
(c) Porous layer of keratin
(d) Laminated structure of the barbules

Answer: (b)

79. The secretion of the preen gland is possessed by the birds to _____.

(a) prevent the loss of heat from the body
(b) fly as it makes the feathers lighter
(c) raise or lower the feather
(d) dress and waterproof the plummage

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

5	**(a)**	7	**(d)**	11	**(b)**	12	**(b)**	14	**(d)**	15	**(b)**	16	**(b)**	17	**(a)**
18	**(a)**	19	**(b)**	21	**(d)**	22	**(b)**	23	**(a)**	24	**(d)**	25	**(c)**	26	**(a)**
27	**(a)**	28	**(b)**	30	**(a)**	31	**(a)**	32	**(a)**	33	**(b)**	34	**(d)**	35	**(a)**
36	**(a)**	37	**(b)**	38	**(c)**	39	**(c)**	40	**(a)**	41	**(c)**	44	**(c)**	45	**(d)**
46	**(a)**	50	**(b)**	51	**(c)**	52	**(b)**	53	**(c)**	54	**(c)**	55	**(c)**	56	**(c)**
59	**(c)**	60	**(a)**	77	**(a)**	78	**(b)**	79	**(d)**						