SSC MTS (2022) Official Paper (Held On: 17 May, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

Take this paper as a timed mock test

Practise under exam conditions, then review your answers after you submit.

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SESSION 1

Q1. 40 percent of the cost price of an article is equal to the 24 percent of its selling price. What is the profit percentage?

(a) 50 percent
(b) 66.66 percent
(c) 52.5 percent
(d) 60 percent

Q2. What is the value of (13 × 4-26)/(54-7 × 4) ?

(a) 1
(b) -1
(c) 0
(d) 10

Q3. A alone can do (1/10) part of a work in 8 hours. B alone can do (1/5) part of same work in 4 hours. If they work together, then how many hours will they take to complete (9/16) part of the same work?

(a) 9 hours
(b) 5 hours
(c) 4 hours
(d) 8 hours

Q4. An object travels 20 m in 5 seconds and then another 25 m in 10 seconds. What is the average speed?

(a) 5 m/sec
(b) 3 m/sec
(c) 4 m/sec
(d) 2 m/sec

Q5. Reenal bought an AC for Rs. 28500 and paid Rs. 600 for transportation. Then she sold it for Rs. 30264. What is her gain%?

(a) 8%
(b) 4%
(c) 5%
(d) 10%

Q6. A girl wants to plant trees in her garden in rows in such a way that the number of trees in each row to be the same. There are 10 rows and the number of trees in each row is 12, what is the number of trees in each row, if there are 5 more rows?

(a) 6
(b) 8
(c) 10
(d) 12

Q7. A wholesaler marks his goods at 35% above the cost price but allows a discount of 15% at the time of sale. His gain is:

(a) 24.85%
(b) 14.75%
(c) 20.45%
(d) 25.50%

Q8. The value of 8 + [{12 − (8 ÷ 2)} × (1/4)] is:

(a) 6
(b) 10
(c) 8
(d) 2

Q9. The ratio of the outer and the inner circumferences of a circular path is 11 : 7. If path is 20 metres wide, then what is the radius of the inner circle?

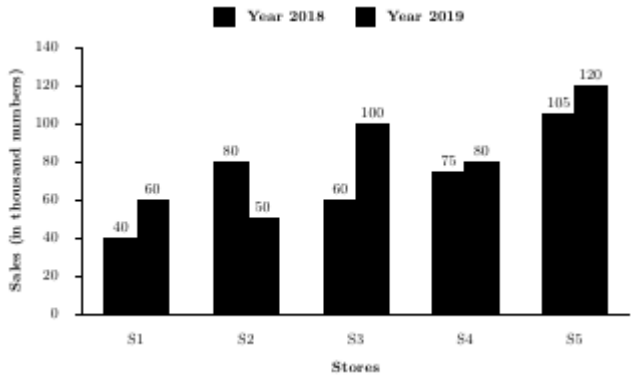
(a) 35 metres
(b) 20 metres
(c) 55 metres
(d) 65 metres

Q10. If 20% of a number is (1/6)^(th) of another number, what is the ratio of first number to the second number?

(a) 4 : 5
(b) 5 : 3
(c) 4 : 7
(d) 5 : 6

Q11. The following bar graph shows the sales of cell phones (in thousand numbers) from five stores of a company during two consecutive years 2018 and 2019.

What is the ratio of the total sale of store S3 for both years to the total sale of store S1 for both years?



(a) 4 : 5
(b) 8 : 5
(c) 7 : 4
(d) 3 : 7

Q12. In covering a distance of 50 km, Somya takes 1 hour more than Sunny. If Somya doubles his speed, then he would take 1 hour less than Sunny. Somya's speed is:

(a) 18.4 km/hr
(b) 15.6 km/hr
(c) 12.5 km/hr
(d) 14.8 km/hr

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Q13. The following table shows the number of employees in 5 different companies from the year 2012 to 2018. In the year 2015, the number of employees in company C is how much percent less than company E?

Year/Company	A	B	C	D	E
2012	242	215	223	211	177
2013	245	163	165	213	211
2014	231	191	221	241	215
2015	198	188	222	223	250
2016	197	240	175	221	254
2017	177	245	268	198	268
2018	158	230	213	215	218

(a) 28%
(b) 16%
(c) 11.2%
(d) 18.8%

Q14. The radius of a cylinder is 14 cm. If the height of the cylinder is four times of its radius, then what is the curved surface area of the cylinder?

(a) 4694 cm^2
(b) 5546 cm^2
(c) 4928 cm^2
(d) 5214 cm^2

Q15. 48 ÷ 4 + A × 2 - 8 = 14, find out the value of A.

(a) 8
(b) 5
(c) 10
(d) 14

Q16. Rs. 6000 is lent at the rate of 8 percent per annum on compound interest (compounded quarterly). What will be the compound interest of 6 months?

(a) Rs. 268.6
(b) Rs. 190.5
(c) Rs. 242.4
(d) Rs. 164.6

Q17. A alone can complete a work in 25 days and B alone can complete the same work in 50 days. If both of them work together, then in 9 days what percent work of the total work will be completed ?

(a) 45 percent
(b) 60 percent
(c) 49 percent
(d) 54 percent

Q18. The average of 10 numbers is 8. If each number is multiplied by 10, then the new average will be:

(a) 80
(b) 18
(c) 8
(d) 50

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Q19. Find the sum of money invested by a man in a scheme which offers Compound Interest(compounding annually) at a 6% rate of interest per annum if Compound Interest for 2 years is Rs. 618.

(a) Rs. 5000
(b) Rs. 4000
(c) Rs. 7000
(d) Rs. 9000

Q20. In a class, if 55% of the students are boys and the number of girls is 90, then find the number of boys.

(a) 120
(b) 135
(c) 198
(d) 110

Q21. Which of the following numbers will replace the question mark (?) in the given series?

53, 60, 67, 74, 81, 88, ?

(a) 95
(b) 93
(c) 98
(d) 104

Q22. Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number.

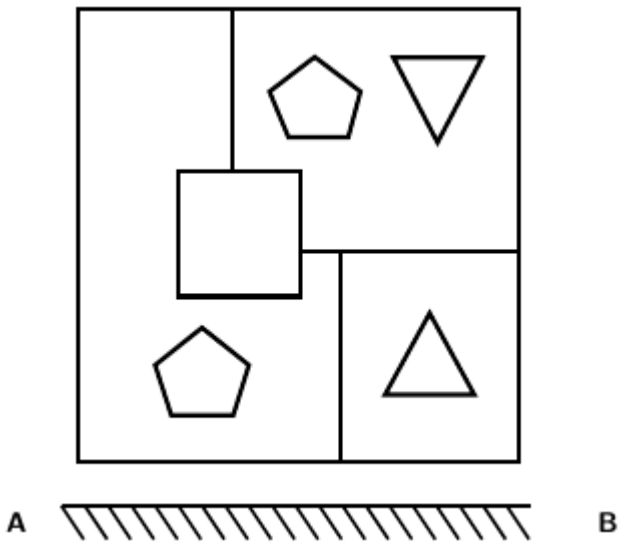
5 : 50 :: 17 : 170 :: 19 : ?

(a) 200
(b) 180
(c) 190
(d) 210

Q23. In a certain code language, 'FIELD' is written as 'LOKRJ' and 'GLOBE' is written as 'MRUHK'. How will 'GLASS' be written in that language?

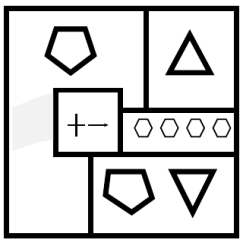
(a) MRGZZ
(b) MRHYY
(c) MRGYY
(d) MSGYY

Q24. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?

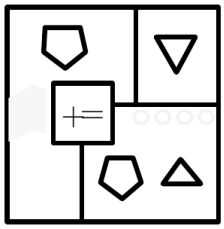


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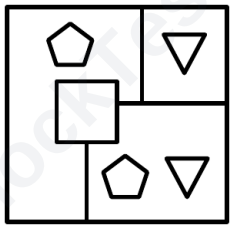
(a)



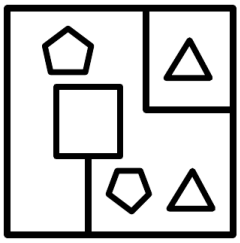
(b)



(c)



(d)



Q25. In a certain code language, 'JAPAN' is written as 'KZPZO'. How will 'GROUP' be written in that language?

(a) HOQTQ
(b) HQQTO
(c) HOTOQ
(d) HQOTQ

Q26. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row - 68, 56, 44
Second row - 245, 233, 221
Third row - 97, 85, ?

(a) 89
(b) 90
(c) 73
(d) 93

Q27. In a certain code language, 'EAR' is written as '24'. How will 'ICY' be written in that language?

(a) 34
(b) 42
(c) 37
(d) 38

Q28. Ayaan, Prashant, Ritu, Neeta, Sneha, and Zain are sitting in a row facing south. Sneha and Zain are in the centre. Ayaan and Prashant are at the ends. Ritu is sitting to the immediate left of Ayaan. Who is to the immediate right of Prashant?

(a) Neeta
(b) Sneha
(c) Ritu
(d) Ayaan

Q29. Which two numbers should be interchanged to make the given equation correct?

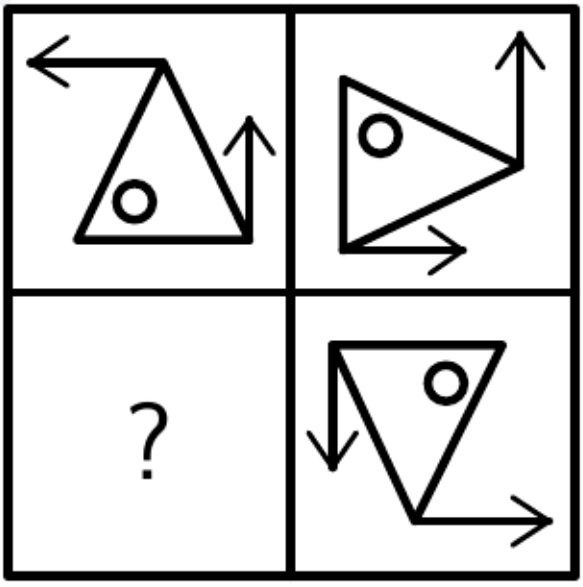
5 × 7 - 4 + 21 ÷ 6 = 29

(a) 6 and 5
(b) 5 and 4
(c) 6 and 7
(d) 21 and 29

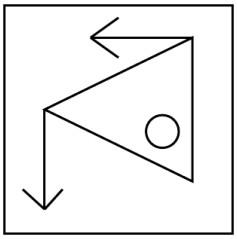
Q30. R is taller than M. M is taller than P. S is taller than R. H is shorter than P. U is taller than N and shorter than H. Who among these is the tallest?

(a) S
(b) M
(c) U
(d) R

Q31. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

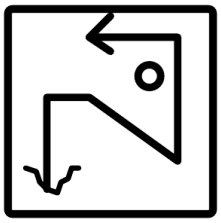


(a)

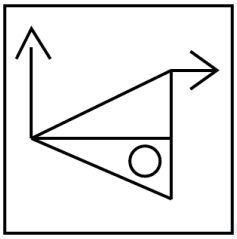


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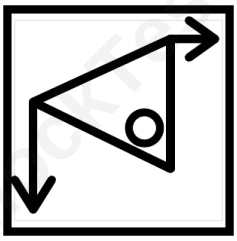
(b)



(c)



(d)



Q32. In the following question, select the missing number of the given series.

43, 42, 39, 34, 27, ?

(a) 16
(b) 18
(c) 21
(d) 20

Q33. P, Q, R, S and T are sitting around a circular table facing the centre. R is sitting to the immediate left of T. Q is sitting to the immediate left of S and to the immediate right of T. Who is sitting to the immediate right of S?

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

Q34. Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.

AFN : BDQ :: DLR : ?

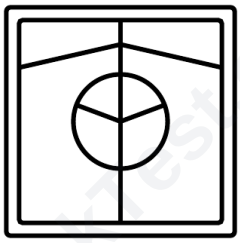
(a) EUJ
(b) JUN
(c) UJE
(d) EJU

Q35. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

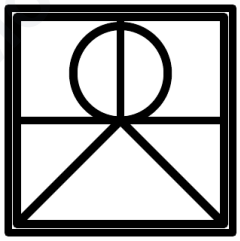
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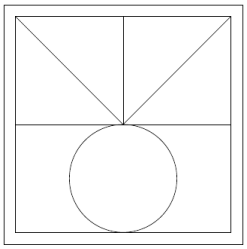
(a)



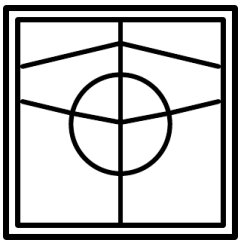
(b)



(c)



(d)



Q36. By Interchanging the given two numbers which of the following equation will be not correct?

8 and 2

I. 8 × 4 - 6 ÷ 3 + 2 = 14

II. 6 - 8 × 3 + 2 ÷ 1 = 9

(a) Only II

(b) Only I

(c) Both I and II

(d) Neither I nor II

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Q37. Select the option that is related to the third word in the same way as the second word is related to the first word.

House : Room :: World : ?

(a) Continent
(b) Bed
(c) Pencil
(d) Face

Q38. Three statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All ocean are oil.

All oil are milk.

All milk are water.

Conclusions:

I. Some water are milk.

II. All milk are ocean.

(a) Neither conclusion I nor II follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Only conclusion I follows

Q39. Which of the following letters will replace the question mark (?) in the given series?

L, N, R, X, F, P, ?

(a) S
(b) B
(c) F
(d) M

Q40. Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All bells are birds.

Some bells are toys.

Conclusions:

I. No bird is a toy.

II. Some toys are birds.

(a) Both conclusions I and II follow
(b) Neither conclusion I nor II follows
(c) Only conclusion II follows
(d) Only conclusion I follows

SESSION 2

Q41. India has celebrated 76^(th) Independence day in which year ?

(a) 2021
(b) 2018
(c) 2022
(d) 2019

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Q42. Which article of the Indian constitution enshrines the right against exploitation ?

(a) Article 27 and 28
(b) Article 23 and 24
(c) Article 21
(d) Article 15

Q43. In February 2022, Cabinet approved implementation of Ayushman Bharat Digital Mission. Which ministry of central government launched the Ayushman Bharat Yojana across the country?

(a) Ministry of Education
(b) Ministry of Health and Family Welfare
(c) Ministry of Women and Child Development
(d) Ministry of Ayush

Q44. Major Dhyan Chand was famous for which sport?

(a) Polo
(b) Field hockey
(c) Football
(d) Volleyball

Q45. As per census 2011, what is the position of Maharashtra with respect to the total population in India?

(a) Fourth
(b) Second
(c) Third
(d) First

Q46. _____ refers to a method adopted by the Central Bank to persuade or convince the commercial banks to advance credit in the economic interest of the country.

(a) Marginal Standing Facility
(b) Credit Rationing
(c) Moral Suasion
(d) Margin Requirements

Q47. Negative ions that consist of a single atom are named by adding the suffix _____ to the stem of the name of the element.

(a) -ous
(b) -ic
(c) -onium
(d) -ide

Q48. Four ashrams were recognised by Brahmins around the time when Jainism and Buddhism were becoming popular. Which of the following was NOT a recognised ashrama?

(a) Parmarth
(b) Grihastha
(c) Vanaprastha
(d) Brahmacharya

Q49. Cytology is the study of _____.

(a) Cells
(b) Chloroplasts
(c) Tissues
(d) Genes

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Q50. Which among the following is an example of Angiosperm in Plant Kingdom?

(a) Chara
(b) Tomato
(c) Pinus
(d) Funaria

Q51. Olympic Winter Games Beijing 2022 took place in _____.

(a) January
(b) April
(c) February
(d) March

Q52. Who among the following was awarded with ‘Padma Vibhushan' in the year 1986 and choreographed famous song 'Kahe Chhed Mohe' from the movie Devdas and 'Mohe Rang Do Laal' from Bajirao Mastani?

(a) Uday Shankar
(b) Kelucharan Mohapatra
(c) Birju Maharaj
(d) Bipin Singh

Q53. Ustad Zakir Hussain is one of the greatest exponents of _____.

(a) Tabla
(b) Shehnai
(c) Violin
(d) Sitar

Q54. The founder of Brahmo Sabha was _____.

(a) Raja Ram Mohan Roy
(b) Keshab Chandra Sen
(c) Radhakanta Deb
(d) Rabindranath Tagore

Q55. Which of the following is a traditional folk dance of Rajasthan?

(a) Giddha
(b) Bihu
(c) Ghoomar
(d) Bhangra

Q56. According to 2011 Census, what is the population density of India?

(a) 482 persons per square kilometre
(b) 495 persons per square kilometre
(c) 356 persons per square kilometre
(d) 382 persons per square kilometre

Q57. The Himalayan mountain range is a type of _____.

(a) residual mountains
(b) block mountains
(c) fold mountains
(d) accumulated mountains

Q58. Who is the supreme commander of the defence forces of India?

(a) Prime minister of India
(b) President of India
(c) Chief Justice of India
(d) Chief of Army Staff

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Q59. The Centre scrapped Article 370 of the Constitution in 2019. This article granted special status to _____.

(a) Jammu and Kashmir
(b) Himachal Pradesh
(c) Punjab
(d) Uttar Pradesh

Q60. When volcano erupts on Earth, the erupted material is typically a liquid rock known as _____.

(a) Lava
(b) Hailstone
(c) Mercury
(d) Plasma

Q61. The Third Battle of Panipat took place in _____.

(a) 1761
(b) 1754
(c) 1765
(d) 1757

Q62. 'Long Walk to Freedom' is an autobiography of _____.

(a) Benjamin Franklin
(b) Nelson Mandela
(c) Mahatma Gandhi
(d) Jawaharlal Nehru

Q63. Which among the following soils is also known as Regur soil?

(a) Peaty
(b) Alluvial
(c) Laterite
(d) Black

Q64. The Amaravati School of art was developed under the patronage of _____.

(a) Palas
(b) Cheras
(c) Cholas
(d) Satavahanas

Q65. The split in Indian National Congress occured in _____.

(a) 1905
(b) 1907
(c) 1903
(d) 1901

Q66. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To mind one's P's and Q's

(a) To be polite and careful in one's behaviour and speech
(b) To write English alphabets accurately
(c) To supervise something carefully
(d) To make amends after a fight

Q67. Direction: Select the appropriate synonym for the underlined word.

Photosynthesis can be hindered by extreme temperatures.

(a) gained
(b) revert
(c) tolerated

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(d) discouraged

Q68. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'

Droughts effect water supply in Southern/Spain, which is increasingly turning towards/ seawater desalination to meet its water needs.

(a) Droughts effect water supply in Southern
(b) No error
(c) Spain, which is increasingly turning towards
(d) seawater desalination to meet its water needs.

Q69. Direction: Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

We were asked by (Jane's aunt where she was last night.)

(a) No substitution required
(b) Jane aunt's where she was last night?
(c) Jane's aunt where was she was last night?
(d) Jane's aunt where was she last night.

Q70. Direction: Choose the word that is opposite in meaning to the given word.

Absorb

(a) Dwindle
(b) Permit
(c) Dismiss
(d) Reconcile

Q71. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

This has sharp decreased the cases of water-borne diseases.

(a) No improvement
(b) sharply decreased
(c) sharp decrease
(d) sharper decreases

Q72. Direction: Select the appropriate antonym for the underlined word.

We will brush out the damp hair.

(a) saturated
(b) sticky
(c) droughty
(d) moist

Q73. Direction: Fill in the blank with the most appropriate option.

Then Bheeshma entered their lives with his _____ lion's laugh.

(a) narrow
(b) moment
(c) elephantine
(d) large

Q74. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Nigeria _____restrictions in place since 2015 in a bid to boost local production.

(a) has had
(b) have had
(c) have has
(d) had has

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Q75. Direction: Improve the underlined part of the sentence. Choose ‘No improvement’ as an answer if the sentence is grammatically correct.

The loft is fill in hay for the winter.

(a) fill with
(b) filled with
(c) fills with
(d) No improvement

Q76. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Until few decades ago, researchers believed the moon was completely dry.

(a) researchers believed the moon
(b) No error
(c) was completely dry.
(d) Until few decades ago,

Q77. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

We don't know exactly when first stars formed.

(a) We don't know
(b) No error
(c) exactly when first
(d) stars formed.

Q78. Choose the word that can substitute the given group of words.

A ground where the last funeral rites are performed

(a) Crematorium
(b) Tomb
(c) Mortuary
(d) Barracks

Q79. Select the most appropriate option to fill in the blank.

Some health experts optimistically argue that disinfecting indoor spaces with light could be a _____.

(a) interchanger
(b) game-changer
(c) hand over
(d) roundabout

Q80. Choose the word that can substitute the given group of words.

Liable to catch fire easily

(a) Agnostic
(b) Inflammable
(c) Venial
(d) Incombustible

Q81. Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) The person who received the alert doesn't know when it happened.
(b) Life is complicated, and there's a lot to be gratful for.
(c) The goal of this endeiavor is to create significant ties for your city.
(d) Never interupt an earnest or apparently interesting conversation.

Q82. Select the most appropriate synonym to substitute the bracketed word in the given sentence.

So can our community leaders come up with a plan of action to help (alleviate) this problem?

(a) Aggravate
(b) Falter
(c) Altruistic

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(d) Diminish

Q83. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Hard/tough nut to crack

(a) A difficult person, problem or situation
(b) To understand clearly
(c) Not being able to enjoy oneself
(d) Good for nothing

Q84. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I did not _____ everyone all at once.

(a) losing
(b) lose
(c) lost
(d) loose

Q85. Choose the incorrectly spelt word.

(a) Positon
(b) Source
(c) Serious
(d) Continue

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Gardenia is one of the most (1) _____ flowers, producing one of the most beloved scents in the garden world. Fall or spring is the best time to (2) _____ this shrub in warmer climates. It also (3) _____ a fragrant houseplant, though it can be fussy about indoor humidity. Container plants can be (4) _____ outdoors during summer and returned to moderate indoor temperatures in the (5) _____.

Q86. Select the most appropriate option to fill in the blank No. 1.

(a) fragrant
(b) soluble
(c) stenchy
(d) polluted

Q87. Select the most appropriate option to fill in the blank No. 2.

(a) train
(b) plant
(c) host
(d) stamp

Q88. Select the most appropriate option to fill in the blank No. 3.

(a) make
(b) made
(c) making
(d) makes

Q89. Select the most appropriate option to fill in the blank No. 4.

(a) placed
(b) classified
(c) sailed
(d) sorted

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Q90. Select the most appropriate option to fill in the blank No. 5.

(a) arena
(b) fall
(c) climate
(d) tropics

ANSWER KEY

1 a	2 a	3 a	4 a	5 a	6 a	7 a	8 a	9 a	10 a
11 a	12 a	13 a	14 a	15 a	16 a	17 a	18 a	19 a	20 a
21 a	22 a	23 a	24 a	25 a	26 a	27 a	28 a	29 a	30 a
31 a	32 a	33 a	34 a	35 a	36 a	37 a	38 a	39 a	40 a
41 a	42 a	43 a	44 a	45 a	46 a	47 a	48 a	49 a	50 a
51 a	52 a	53 a	54 a	55 a	56 a	57 a	58 a	59 a	60 a
61 a	62 a	63 a	64 a	65 a	66 a	67 a	68 a	69 a	70 a
71 a	72 a	73 a	74 a	75 a	76 a	77 a	78 a	79 a	80 a
81 a	82 a	83 a	84 a	85 a	86 a	87 a	88 a	89 a	90 a

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