SSC MTS (2022) Official Paper (Held On: 11 May, 2023 Shift 1) (Previous Year Paper)

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

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SESSION 1

Q1. What is the value of 42 ÷ [18 - {6 + (3 of 4 - 4 - 2 of 5)}]?

(a) 5
(b) 6
(c) 2
(d) 3

Q2. A man sells his bike for Rs. 132000 earning a profit of 10%. If he had sold it for Rs, 126000, then what is his profit or loss percent?

(a) 10% profit
(b) 5% loss
(c) 10% loss
(d) 5% profit

Q3. The marked price of an article is 20 percent more than its cost price. If 10 percent discount is given on the marked price, then what will be the profit percentage?

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

Q4. The difference in simple interest on a certain sum at 6% per annum for 5 years and 5% per annum for 4 years is Rs. 422, Find the sum

(a) Rs. 2570
(b) Rs. 4220
(c) Rs. 6500
(d) Rs. 1990

Q5. What is the average of first 57 natural numbers?

(a) 35
(b) 29
(c) 42
(d) 40.5

Q6. The outer radius of a spherical shell is 13 cm and the thickness of the shell is 3 cm. What is the volume of the metal used for the shell? (π = 22/7)

(a) 1197 cm^3
(b) 2197 cm^3
(c) 3024 cm^3
(d) 5016 cm^3

Q7. If price is decreased by 25 percent, then by how much percentage consumption should be increased, so that the expenditure remains the same?

(a) 20 percent
(b) 40 percent
(c) 37.5 percent
(d) 33.33 percent

Q8. Seema alone can do a piece of work in 8 days and her sister Reema alone can do the same work in 24 days. If they worked together, then in how many days they will complete the work?

(a) 8 days
(b) 6 days
(c) 10 days
(d) 4 days

Q9. There are three measuring Tapes which measure 56 cm, 64 cm and 80 cm in length. Find the least length that could be measured by using any of the three tapes. (Only one type of tape should be used at a time and only complete tape should be used to measure.)

(a) 2240 cm
(b) 1982 cm
(c) 1706 cm
(d) 1876 cm

Q10. A and B together finish a work in 6 days. If A alone can finish the work in 10 days, then in how many days B alone can complete the work?

(a) 15 days
(b) 10 days
(c) 12 days
(d) 14 days

Q11. A sum becomes Rs. 27720 in 7 years at the rate of 14 percent per annum on simple interest. What is the sum?

(a) Rs. 13000
(b) Rs. 14700
(c) Rs. 15000
(d) Rs. 14000

Q12. Ram walks at the speed of 12 km/hr and reaches his school 12 minutes late. If he walks at 16 km/hr, then he reaches 8 minutes before the scheduled time. What is the distance of his school from his house?

(a) 16 km
(b) 30 km
(c) 20 km
(d) 24 km

Q13. What is the area of a square whose diagonal is $5\sqrt{2}$ cm?

(a) 64 cm^2
(b) 25 cm^2
(c) 100 cm^2
(d) 36 cm^2

Q14. If $2P = 3Q$ and $5Q = 4R$, then what is the value of P : Q : R?

(a) 8 : 5 : 4
(b) 2 : 3 : 5
(c) 6 : 4 : 5
(d) 7 : 5 : 6

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Q15. The following table shows the unemployed people in 5 states of India from 2019 to 2022.

What is the average number of unemployed people in Karnataka, Maharashtra and Punjab in 2021?

State/Year	Number of unemployed people (in thousand)			
2019	2020	2021	2022	
Bihar	25	40	50	42
UP	84	70	60	58
Karnataka	12	10	9	10
Maharashtra	40	48	30	32
Punjab	20	25	18	15

(a) 9 thousand
(b) 18 thousand
(c) 30 thousand
(d) 19 thousand

Q16. In three positive numbers. the ratio of first and second is 3 : 4 and the ratio of second and third is 3 : 5. The product of first and third is 4500. What is the sum of the three numbers?

(a) 282
(b) 235
(c) 198
(d) 205

Q17. Average weight of 25 members of a group is 39 kg. Average weight of 27 members of another group is 21 kg. What will be the total weight of the members of both the groups?

(a) 1426 kg
(b) 1542 kg
(c) 1507 kg
(d) 1714 kg

Q18. While selling an article for Rs. 8442, a person suffered a loss of 30 percent. At what price he should have sold the article to earn a profit of 20 percent?

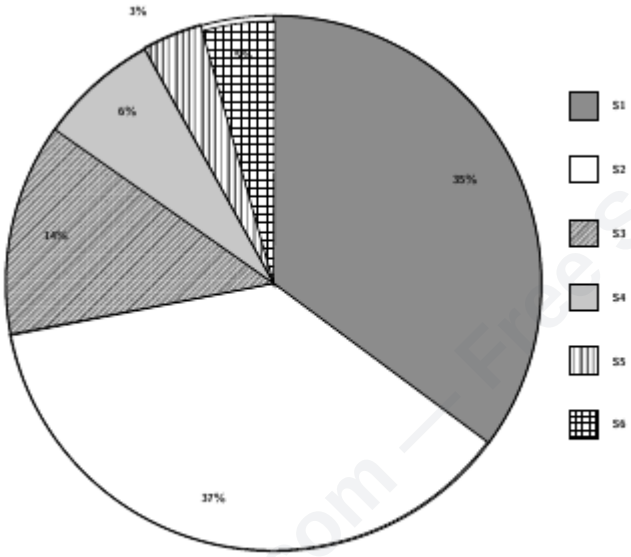
(a) Rs. 15686
(b) Rs. 14472
(c) Rs. 12806
(d) Rs. 13885

Q19. Which is the greatest number of four digit divisible by 12, 25 and 45?

(a) 9890
(b) 9999
(c) 9800
(d) 9900

Q20. The pie chart given below shows the number of students studying in six schools. Total number of students studying in all these six schools are 8000, Number of students studying in a particular school is shown as a percentage of total number of students studying in all these six schools.

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Total number of students studying in school S2 and S4 are what percent of the total number of students studying in school S3 and S6?

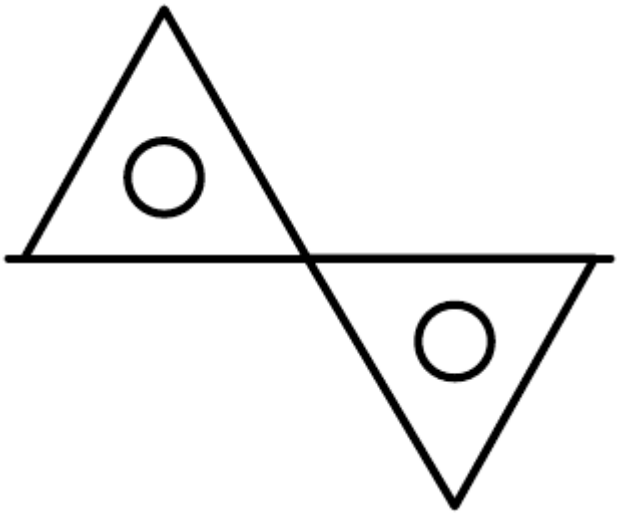
(a) 226.31 percent
(b) 190.46 percent
(c) 171.22 percent
(d) 265.22 percent

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

27, 30, 35, 38, 43, 46, 51, ?

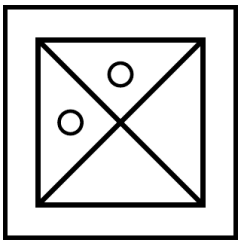
(a) 30
(b) 54
(c) 56
(d) 48

Q22. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

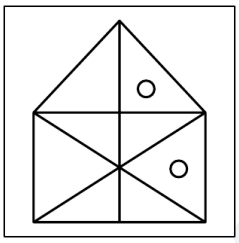


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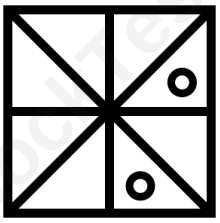
(a)



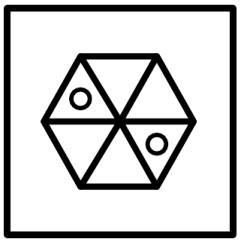
(b)



(c)



(d)



Q23. Six students Subham, Sneha, Surbhi, Muskan, Harsh and Vishal are standing in an assembly line facing north (one behind the other). Only one person stands behind Harsh in the line. Sneha stands exactly between Vishal and Muskan, Surbhi stands between Muskan and Harsh. Who stands immediately behind Surbhi?

(a) Vishal
(b) Harsh
(c) Subham
(d) Sneha

Q24. Rashmi is shorter than Monika who is shorter than Prerna. Sana is shorter than Rashmi. Harshita is taller than Prerna. Uma is shorter than Nikita and taller than Harshita. Who among them is the shortest?

(a) Uma
(b) Sana
(c) Rashmi
(d) Prerna

Q25. 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.

SOC : TND :: UDN : ?

(a) VCP
(b) UCO
(c) VCO

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(d) OCV

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

First row- 18, 36, 6

Second row- 24, 48, 8

Third row- 33, 66, ?

(a) 13
(b) 11
(c) 14
(d) 12

Q27. Select the option that is related ta 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

10 : 512 :: 12 : 1000 :: 8 : ?

(a) 315
(b) 216
(c) 512
(d) 256

Q28. In a certain code language, ‘PARK' is coded as ‘FMVK', What is the code for ‘RICE' in that code language?

(a) ZXEM
(b) ZXDN
(c) ZXDM
(d) ZXDL

Q29. P, Q, R, and S are sitting on a bench facing south. A. B, C and D are sitting on a parallel bench facing north. S and B are sitting opposite to each other. A sits exactly in between D and C. P sits opposite to C. Q sits immediately to the left of S. Which of the following is correct about the position of R?

(a) R sits opposite to A
(b) R sits opposite to D
(c) R sits to the immediate right of Q
(d) R sits to immediate left of P

Q30. 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:

Some rabbits are white.

Some rabbits are brown.

All white are yellow.

Conclusions:

I. Some brown are yellow.

II. Some rabbits are yellow.

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

Q31. In the following question, select the missing number of the given series.

500, 477, 454, 431, 408, ?

(a) 390
(b) 385
(c) 384
(d) 391

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Q32. Which of the following letter will replace the question mark (?) in the given series?

Y, T, O, J, E, ?

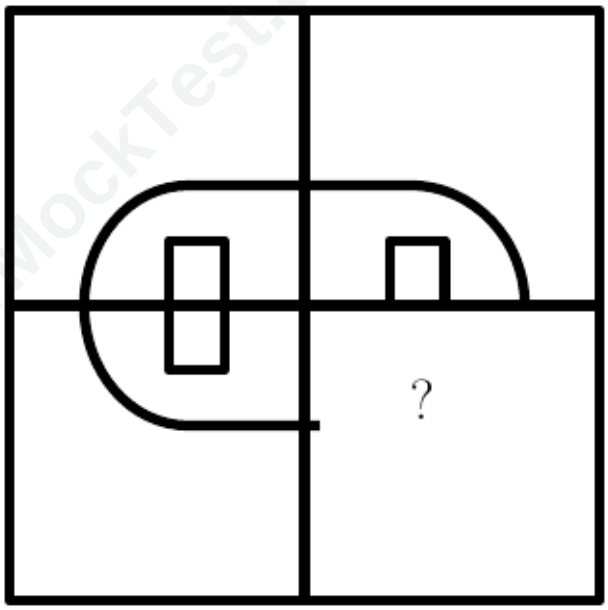
(a) C
(b) D
(c) B
(d) Z

Q33. Select the option that is related to the third word in the same way as the second word is related to the first word.

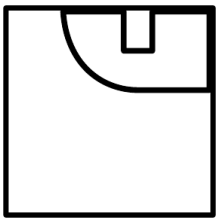
Soldier : Gun :: Surgeon : ?

(a) Pen
(b) Axe
(c) Scalpel
(d) Sword

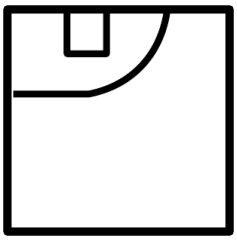
Q34. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)



(a)



(b)

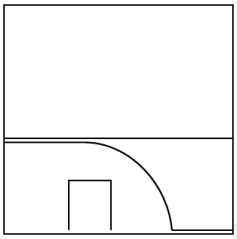


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(c)



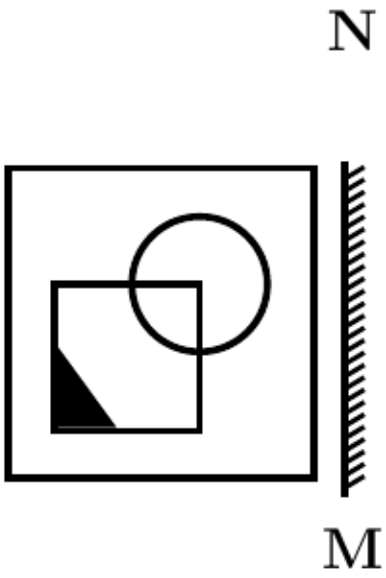
(d)



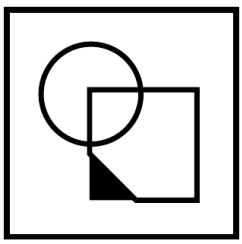
Q35. In a certain code language, ‘PROVED' is coded as 'VEDPRO'. What is the code for ‘ROBUST' in that code language?

(a) USTROB
(b) USTROC
(c) VSTRBO
(d) VSTROB

Q36. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.

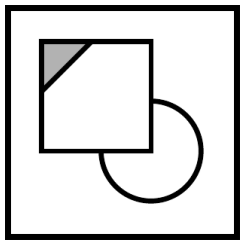


(a)

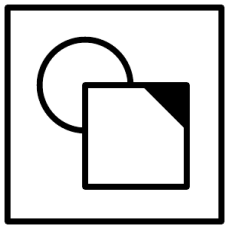


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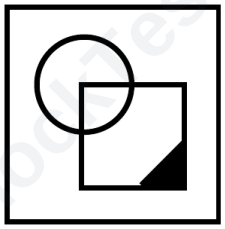
(b)



(c)



(d)



Q37. 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 chairs are desks.

All desks are table.

Conclusions:

I. Some table are chairs.

II. All tables are desk.

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

Q38. In a certain code language, ‘KOVID' is coded as ‘DIVOK'. What is the code for 'DAVID' in that code language?

(a) DIWAD
(b) DIVDA
(c) DIVAD
(d) DIVBD

Q39. Which two numbers should be interchanged to make the given equation correct?

4 × 2 - 3 + 5 = 7

(a) 3 and 4
(b) 4 and 5
(c) 7 and 5
(d) 2 and 7

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Q40. By interchanging the given two signs which of the following equation will NOT be correct?

× and -

I. 4 ÷ 2 + 1 × 6 - 3 = 13

II. 5 + 7 - 8 × 2 ÷ 1 = 58

(a) Only II
(b) Only I
(c) Neither I nor II
(d) Both I and II

SESSION 2

Q41. GDP calculated at some constant set of prices is called _____.

(a) real GDP
(b) domestic GDP
(c) current GDP
(d) nominal GDP

Q42. Who was the last Governor General of British India?

(a) Lord Hastings
(b) Lord Auckland
(c) Lord Wellesley
(d) Lord Mountbatten

Q43. Which of the following crop is also known as “Golden fibre”?

(a) Jute
(b) Sugarcane
(c) Wheat
(d) Rice

Q44. Jama Masjid in Delhi was built by _____.

(a) Shah Jahan
(b) Alauddin Khilji
(c) Akbar
(d) Sikandar Lodi

Q45. In June 2022, Google Doodle honoured Satyendra Nath Bose, he was an/a _____.

(a) Indian Classical dancer
(b) Indian Physicist
(c) Indian Singer
(d) Supreme Court Judge

Q46. Which of the following article of Indian constitution is related with “Separation of Judiciary from Executive"?

(a) Article 50
(b) Article 40
(c) Article 44
(d) Article 46

Q47. Lata Mangeshkar recorded her first playback song for a _____ film.

(a) Bengali
(b) Punjabi
(c) Marathi
(d) Tamil

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Q48. Jhijhiya is a famous folk dance of which of the following states?

(a) Haryana
(b) Bihar
(c) Rajasthan
(d) Uttar Pradesh

Q49. “Thomas Cup” is related to which of the following sports?

(a) Football
(b) Cricket
(c) Tennis
(d) Badminton

Q50. The lowest temperature at which a substance catches fire is called its _____.

(a) melting point
(b) explosion point
(c) ignition temperature
(d) combustion temperature

Q51. The reproduction process in which only a single parent is involved is called _____.

(a) In vitro fertilization
(b) external fertilization
(c) sexual reproduction
(d) asexual reproduction

Q52. 'The Inheritance of Loss’ book is written by _____.

(a) Kiran Desai
(b) VS Naipaul
(c) Ruskin Bond
(d) Salman Rushdie

Q53. Which of the following is the ultimate source of energy for all living organisms?

(a) Soil
(b) Sun
(c) Water
(d) Air

Q54. Which bill led to people staging a widespread protest in Delhi, Haryana, and Punjab in September 2020?

(a) Farmers Bill
(b) Central University Bill
(c) Energy Conservation Bill
(d) Transgender Bill

Q55. The Ahmadiyya forms a sect of Islam which originated from India. It was founded by _____ in 1889.

(a) Mir Nisar Ali
(b) Haji Shariatullah
(c) Shah Walliullah
(d) Mirza Ghulam Ahmad

Q56. Kalamandalam Kalvanikutty Amma was honoured with Kalidasa Samman in 1997-1998. She was famous for which Indian classical dance form?

(a) Mohiniyattam
(b) Kuchipudi
(c) Odissi
(d) Kathak

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Q57. Who among the following Gupta rulers launched the Nalanda University?

(a) Kumaragupta
(b) Chandragupta II
(c) Skandagupta
(d) Vishnugupta

Q58. How many silver medals were won by India in London Olympics 2012?

(a) Two
(b) One
(c) Three
(d) Four

Q59. Who was the first ruler of the Sayyid Dynasty?

(a) Khizr Khan
(b) Alauddin Alam Shah
(c) Muhammad Shah
(d) Mubarak Khan

Q60. The Mughals were descendants of _____ from their father's side.

(a) Muhammad Ghori
(b) Timur
(c) Genghis khan
(d) Mahmud of Ghazni

Q61. The streams of water flowing constantly on the ocean surface in definite directions are called _____.

(a) waves
(b) cyclones
(c) tides
(d) ocean currents

Q62. The Yaoshang festival of Manipur is celebrated for _____ days.

(a) two
(b) five
(c) seven
(d) nine

Q63. Thorny trees and bushes are found in which part of India?

(a) Eastern
(b) Southern
(c) North - western
(d) North - Eastern

Q64. In November 2022, Indian Coast Guard Advanced Light Helicopter Mk-III squadron. 840 Sqn (CG), commissioned in _____.

(a) Chennai
(b) Kanpur
(c) Puri
(d) Mysore

Q65. In countries like Japan, ____ birth rates make the population pyramid ____ at the base.

(a) Low, Broad
(b) High, Broad
(c) Low, Narrow
(d) High, Narrow

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Q66. Select the appropriate synonym for the underlined word.

Go back to your image description.

(a) Definition
(b) Deception
(c) Plan
(d) Function

Q67. Choose the word that can substitute the given group of words.

Disease that spreads over a whole country or the whole world

(a) Pandemic
(b) Rustic
(c) Panacea
(d) Epidermis

Q68. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The radio data shows neither evidence for ongoing jet activity.

(a) The radio data shows
(b) neither evidence for
(c) No error
(d) ongoing jet activity.

Q69. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

If I was a clown, I would have made everyone smile.

(a) everyone smile.
(b) I would have made
(c) If I was a clown,
(d) No error

Q70. select the most appropriate option to fill in the blank.

According to the politician, using vulgar language to _____ votes is not something he will endorse.

(a) segregate
(b) divulge
(c) lump
(d) garner

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

The teacher had reading the instructions aloud to the students.

(a) had been read the
(b) reading the
(c) No improvement
(d) had read the

Q72. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Peoples might confess just to get out of the interrogation room.

(a) No error
(b) Peoples might confess
(c) just to get out of
(d) the interrogation room.

Q73. Select the appropriate antonym for the underlined word.

The new government's domestic policies could easily undermine the main foreign policy.

(a) Cripple
(b) Weaken

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(c) Spoil
(d) Enhance

Q74. Select the most appropriate option to fill in the blank.

I was really hoping to _____ a decent movie this time, and I came up with an undisputed classic.

(a) tirade
(b) subside
(c) unearth
(d) strut

Q75. Choose the incorrectly spelt word.

(a) Wider
(b) Glovve
(c) Hide
(d) Fold

Q76. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

The black sheep

(a) A day of importance
(b) A stupid or foolish person
(c) A friend who betrays
(d) The least reputable member of a group

Q77. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The comedian's jokes are so bad that audiences usually groaning instead of laugh.

(a) usually groan instead of
(b) usual groan instead off
(c) usual groaned despite of
(d) No improvement

Q78. Select the wrongly spelt word.

(a) pernicious
(b) prefunctory
(c) pariah
(d) peripheral

Q79. Fill in the blank with the most appropriate option.

The pudding fell _____ floor with a heart-stopping crash.

(a) upon the
(b) up to the
(c) in to the
(d) to the

Q80. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Apple's success attracted the _____ of the computer giant IBM.

(a) attending
(b) attend
(c) attention
(d) attentive

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Q81. Choose the word that can substitute the given group of words.

A place of refugee

(a) Home
(b) Asylum
(c) Shelter
(d) Hospice

Q82. Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.

I had a (toddler) at home and two other children at school.

(a) ancient
(b) adult
(c) newborn
(d) senior

Q83. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

In the logo the blue contrast wells with its complementary colour, yellow:

(a) No improvement
(b) contrast well
(c) contrast we'll
(d) contrasts well

Q84. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Draw a blank

(a) Give lame excuses
(b) Avery complex question
(c) Ragging of a fresher
(d) To fail to get an answer or result

Q85. Choose the word that is opposite in meaning to the given word.

Impossible

(a) Shaky
(b) Applicable
(c) Unsure
(d) Unlikely

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.

These people remind me of a harmony that exists with the natural world, They know their environment in a (1) _____ that can only be acquired (2) ____ living on equal footing with the natural world, not in (3) ___ through a recognition that humans are dependent (4) ___ our surroundings, something those of us who live in towns and cities too (5) _____ forget.

Q86. Select the most appropriate option to fill in blank number 1.

(a) line
(b) way
(c) time
(d) style

Q87. Select the most appropriate option to fill in blank number 2.

(a) for
(b) through
(c) to

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(d) with

Q88. Select the most appropriate option to fill in blank number 3.

(a) domination
(b) opposition
(c) corporation
(d) collection

Q89. Select the most appropriate option to fill in blank number 4.

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

Q90. Select the most appropriate option to fill in blank number 5

(a) highly
(b) marginally
(c) easily
(d) equally

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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