SSC MTS (2022) Official Paper (Held On: 13 Jun, 2023 Shift 1) (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

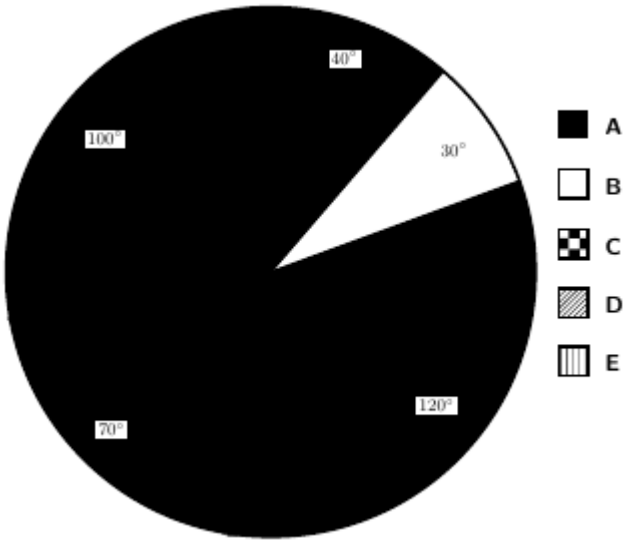
Q1. Rohit and Mohit can do a piece of work in 4 days, while Ram and Shyam can do the same work in 12 days. In how many days will Rohit, Mohit, Ram and Shyam do it together?

(a) 5 days
(b) 3 days
(c) 4 days
(d) 2 days

Q2. If X : Y = 2 : 3 and Y : Z = 6 : 7, then what is the value of (X + Z) : Y?

(a) 17 : 14
(b) 17 : 15
(c) 11 : 6
(d) 11 : 8

Q3. The pie chart given below shows the number of teachers in five universities. The total teachers in all these five universities are 720. The number of teachers in a particular university is shown in terms of degree with respect to the total number of teachers in all these five universities.



J1 = The value of average number of teachers in B and C.

J2 = The value of average number of teachers in A and E.

What is the value of (J2 + J1)?

(a) 210
(b) 290
(c) 250
(d) 240

Q4. A boat can travel with a speed of 15 km/hr in still water. If the speed of the stream is 5 km/hr, find the time taken by the boat to go 80 km downstream.

(a) 3 hr
(b) 4 hr
(c) 6 hr
(d) 5 hr

Q5. A work was finished by L, P and Q together. L and P together finished 50 percent part of the work and P and Q together finished 60 percent part of the work. Who among the three is most efficient?

(a) All are equally efficient
(b) L
(c) Q
(d) P

Q6. A shopkeeper sells a book at a loss of 60 percent. Had he sold the book for Rs. 150 more, then he would have suffered a loss of 30 percent. To earn a profit of 20 percent, what should be the selling price of the book?

(a) Rs. 650
(b) Rs. 600
(c) Rs. 700
(d) Rs. 550

Q7. The diameter of a sphere is 14.7 meter. What will be the volume of the sphere?

(a) 1663.893 m3
(b) 1873.487 m3
(c) 1693.563 m3
(d) 1783.723 m3

Q8. 135 kg of an alloy A is mixed with 72 kg of alloy B to get a new alloy. If alloy A has zinc and copper in the ratio 4 : 5 and alloy B has zinc and copper in ratio 7 : 5, then what is the weight of zinc in the new alloy?

(a) 102 kg
(b) 115 kg
(c) 85 kg
(d) 92 kg

Q9. Cost price of a watch is Rs. 750. If the loss percentage is 40 percent, then what is the value of loss?

(a) Rs. 300
(b) Rs. 280
(c) Rs. 420
(d) Rs. 220

Q10. Simple Interest received by a person in 15 years on a principal of Rs. 6000 is 150 percent of the principal. What is the annual rate of interest?

(a) 20 percent
(b) 30 percent
(c) 10 percent
(d) 25 percent

Q11. The table given below shows the number of boys and girls in a school in 6 years.

Years	Boys	Girls
Y1	90	80
Y2	70	60
Y3	130	110
Y4	110	150

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Y5	170	50
Y6	100	90

Which of the following statement is NOT correct?

I. The number of girls in year Y6 is 9 percent of the number of boys in year Y6.

II. The average number of boys in year Y1 and Y2 are 80.

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

Q12. In what ratio must water be mixed with milk worth Rs. 50 per litre so as to produce a mixture worth Rs. 35 per litre? (water is available free of cost)

(a) 3 : 7
(b) 7 : 5
(c) 3 : 5
(d) 2 : 7

Q13. Which is the smallest three-digit number which when increased by 5 becomes divisible by both 2 and 3?

(a) 102
(b) 105
(c) 103
(d) 108

Q14. What is the value of (12 × 4 ÷ 3 of 16 + 24 - 5)/(46 ÷ 23 × 2) ?

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

Q15. A farmer's land is in the shape of a trapezium which has its parallel sides measuring 7.58 yards and 6.42 yards and the distance between the parallel sides is 6.50 yards. The cost of ploughing the land is Rs. 2000 per square yard. What amount have to be spent in order to plough the entire land?

(a) Rs. 85000
(b) Rs. 91000
(c) Rs. 72000
(d) Rs. 102000

Q16. The marked price of a pen is Rs. 5000. The shopkeeper gives two successive discounts of 15 percent and b percent to the customer. If the customer pays Rs. 4080 for the pen, then what is the value of b?

(a) 3 percent
(b) 5 percent
(c) 7.5 percent
(d) 4 percent

Q17. A number is increased by 30% and then the increased number is decreased by 30%. The net increase or decrease is:

(a) 12% increase
(b) 9% decrease
(c) 15% decrease
(d) 30% increase

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Q18. Average of 24 observations is 41. Average of first 9 observations is 42. Average of last 16 observations is 39. What is the value of 9th observation?

(a) 14
(b) 24
(c) 18
(d) 20

Q19. What is the value of √(0.52 × 0.52 + 0.31 × 0.31 + 0.62 × 0.52) ?

(a) 0.63
(b) 0.73
(c) 0.83
(d) 0.93

Q20. A sum becomes Rs. 33800 in 2 years and Rs. 43,940 in 3 years, when lent in a scheme of compound interest (compounding annually). If double the sum is invested in the same scheme for 2 years, then what will be the amount obtained at end of 2 years?

(a) Rs. 62480
(b) Rs. 67600
(c) Rs. 71240
(d) Rs. 60420

Q21. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q22. 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:

Some Ants are Bats.

Some Bats are Cats.

Conclusions:

I. Some Ants are Cats.

II. All Bats can never be Cats.

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

Q23. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g 13 - Operations on 13 such as adding/subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(4, 6, 72)

(5, 7, 105)

(a) (6, 8, 144)
(b) (2, 5, 40)
(c) (3, 6, 36)
(d) (6, 9, 108)

Q24. In a certain code language, 'MANAGE' is coded as '629023', 'NARAT' is coded as '52342', 'TENM' is coded as '3695'. What is the code for 'R' in that code language?

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

Q25. In a certain code language, 'BECOME' is coded as 'HPRFHE'. What is the code for 'ACTIVE' in that code language?

(a) HYLVFD
(b) HYLWDD
(c) HYLWFD
(d) HYLWFC

Q26. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

TRA : FNW :: MNG : LJP :: FOK : ?

(a) PLJ
(b) PKJ
(c) PLI
(d) PKI

Q27. Which two numbers should be interchanged to make the given equation correct?

192 ÷ 12 × 6 + 16 - 18 = 66

(a) 16 and 18
(b) 16 and 6
(c) 6 and 18
(d) 16 and 12

Q28. Which of the following numbers will replace the question mark (?) in the given series?

48, 50, 53, 58, 65, 76, 89, ?

(a) 203
(b) 150
(c) 195
(d) 106

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Q29. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

7 B 5 A 31 C (48 D 6) = ?

(a) 62
(b) 38
(c) 58
(d) 46

Q30. 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:

Some Tea are Coffee.

All Coffee are Sweet.

Conclusions:

I. All sweet are coffee.

II. Some sweet are tea.

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

Q31. Select the option that is related to the third number in the same way as the second number is related to the first number.

529 : 577 :: 841 : ?

(a) 902
(b) 899
(c) 911
(d) 901

Q32. Five girls Babita, Lita, Mita, Rita and Tina are playing a game. They are sitting in a row facing towards the north. Mita is sitting at the west end and Tina is sitting at the east end. Babita is sitting to the immediate left of Lita and to the right of Mita. Who is sitting second from the east end?

(a) Rita
(b) Lita
(c) Babita
(d) Tina

Q33. 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.

BAG : ACZBFH :: DOG : ?

(a) CENPHF
(b) CNEPFH
(c) CENPFH
(d) CNEFHH

Q34. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

GRAM, JUDP, MXGS, ?, SDMY

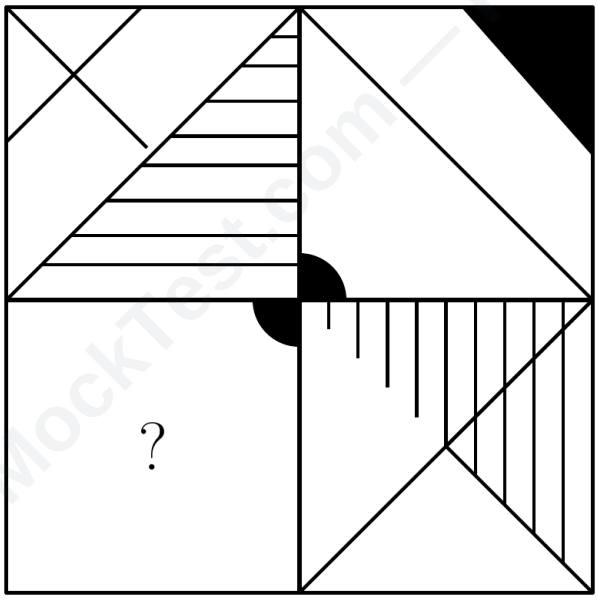
(a) PAJV
(b) PAKV
(c) PAJU
(d) PBKV

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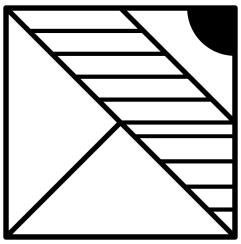
Q35. Height of Rahul, Hardik, Surya, Mohan and Kamal are compared. Height of Rahul is less than only three persons. Height of Surya is neither more nor less than the height of Rahul. Height of Kamal is more than Mohan but less than Hardik. Height of how many persons is more than Surya but less than Hardik?

(a) 0
(b) 2
(c) 3
(d) 1

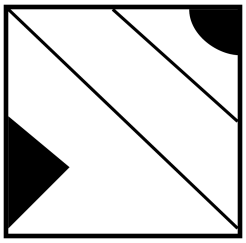
Q36. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)



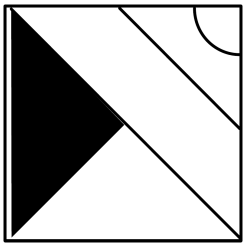
(a)



(b)

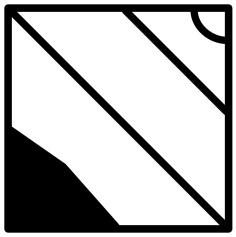


(c)



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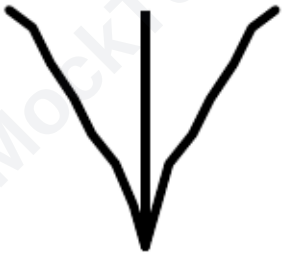
(d)



Q37. Eight boys Ram, Sumit, Sunil, Rahul, Raj, Aman, Amit and Anil are sitting around a circular table facing opposite to the centre (not necessarily in the same order). Sunil is to the immediate left of Ram. Ram is fourth to the left of Rahul. Amit is fourth to the right of raj. Raj is second to the right of Ram. Anil is second to the left of Sumit. Aman is second to the right of Sumit. Who is second to the right of Sunil?

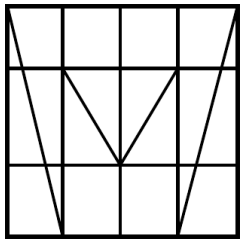
(a) Aman
(b) Raj
(c) Rahul
(d) Anil

Q38. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

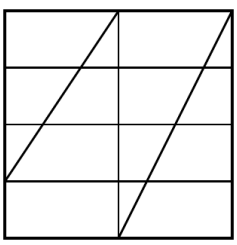


(x)

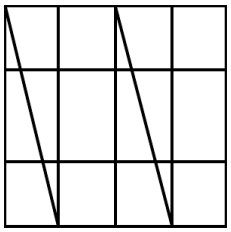
(a)



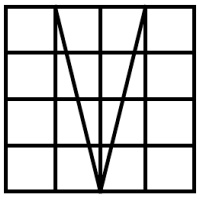
(b)



(c)



(d)



Q39. In the following question, select the missing number of the given series.

10, -18, -46, -74, -102, ?

(a) -140
(b) -133
(c) -130
(d) -150

Q40. In a certain code language, 'XIWG' is written as 'HXJY'. How will 'MSOE' be written in that language?

(a) FTPN
(b) FPTT
(c) FPTN
(d) FNTP

SESSION 2

Q41. Which is the largest planet of the solar system?

(a) Neptune
(b) Earth
(c) Uranus
(d) Jupiter

Q42. Who is the author of the book titled 'Fearless Governance'?

(a) Amitav Ghosh
(b) Anuj Dhar
(c) Anirudh Suri
(d) Kiran Bedi

Q43. There are regions where farmers specialise in vegetables only. This type of farming is known as _____.

(a) Mixed farming
(b) Pastoral farming
(c) Dairy farming
(d) Truck farming

Q44. Tensile or compressive stress can also be termed as _____.

(a) longitudinal stress
(b) tangential stress
(c) hydraulic stress

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(d) shearing stress

Q45. Panthi dance form is associated with _____ state of India.

(a) Kerala
(b) Maharashtra
(c) Punjab
(d) Chhattisgarh

Q46. Which of the following referred to as 'paper taxes'?

I. Wealth tax
II. Gift tax

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

Q47. The Buddha belonged to a small gana known as _____.

(a) Sakya gana
(b) Avanti Gana
(c) Kuru gana
(d) Panchal gana

Q48. Jayanthi Kumaresh is one of the foremost exponents of _____.

(a) santoor
(b) tabla
(c) sitar
(d) veena

Q49. The Chhath Puja festival is dedicated to the _____ God.

(a) Vishnu
(b) Sun
(c) Indra
(d) Brahma

Q50. Barakar is the tributary of which of the following rivers?

(a) Kaveri
(b) Krishna
(c) Ravi
(d) Damodar

Q51. The famous Sheesh Mahal in Punjab was built by which of the following rulers?

(a) Maharaja Sawai Pratap Singh
(b) Rana Kumbha
(c) Maharaja Narinder Singh
(d) Raja Man Singh - I

Q52. Article _____ of the Indian constitution provides for superintendence, direction and control of elections vested in an Election commission.

(a) 336
(b) 338
(c) 330
(d) 324

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Q53. Which class of algae is commonly known as brown algae?

(a) Rhodophyceae
(b) Phaeophyceae
(c) Chlorophyceae
(d) Chrysophyceae

Q54. The Constitution (Scheduled Castes and Scheduled Tribes) Orders Bills 2022 was introduced in _____ state of India.

(a) Kerala
(b) Punjab
(c) Rajasthan
(d) Jharkhand

Q55. Which among the following Indian Olympians is associated with wrestling sport?

(a) Neeraj Chopra
(b) Abhinav Bindra
(c) Aditi Ashok
(d) Sakshi Malik

Q56. Who wrote the novel "Life of Pi"?

(a) Jonathan Safran Foer
(b) Khaled Hosseini
(c) Yann Martel
(d) Carol Birch

Q57. The colour of the alluvial soils varies from _____.

(a) pale white to warm white
(b) light orange to dark orange
(c) orange to red
(d) light grey to ash grey

Q58. When was the Dev Samaj founded in Lahore by Shiv Narayan Agnihotri?

(a) 1892
(b) 1887
(c) 1876
(d) 1863

Q59. Sangam poems mention a tamil word 'Muvendar' which means _____.

(a) Three taxes
(b) Three ports
(c) Three chiefs
(d) Three horses

Q60. According to the 2011 census, what is the male literacy rate?

(a) 65.14%
(b) 71.14%
(c) 75.14%
(d) 82.14%

Q61. In January 2022, S Somanath has been appointed as the tenth chairman of _____.

(a) RBI
(b) DRDO
(c) ISRO
(d) SEBI

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Q62. The equipment ‘Shuttlecock' is required in which sports?

(a) Basketball
(b) Billiards
(c) Baseball
(d) Badminton

Q63. What was the objective of "Arya Samaj" founded by "Swami Dayanand Saraswati"?

(a) To establish autocratic rule
(b) To rise against Britishers
(c) To encourage the practice of barter trade
(d) To reform Hinduism

Q64. The process by which two immiscible liquids, get mixed while one disperses as small droplets within the other is known as _____.

(a) Separation
(b) Emulsification
(c) Caramelisation
(d) Filtration

Q65. History of Akbar's reign, titled "Akbar Nama" is written by _____.

(a) Abul Fazl
(b) Abd al - Qadir Badauni
(c) Abbas Khan Sherwani
(d) Mohammad Khan

Q66. Direction: Select the appropriate synonym for the underlined word.

Don't sound so excited.

(a) casual
(b) composed
(c) eager
(d) tired

Q67. Direction: Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) What was the begining of the dispute?
(b) There is no comparision between the two books.
(c) She handlled the situation cooly.
(d) I got selected in D category.

Q68. Direction: Select the appropriate synonym for the underlined word.

You look around and you see green, happy plants.

(a) mourning
(b) nascent
(c) blissful
(d) gloomy

Q69. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Fred and George had / bewitched there trunks to fly downstairs to / save the bother of carrying them.

(a) bewitched there trunks to fly downstairs to
(b) save the bother of carrying them.
(c) Fred and George had
(d) No error

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Q70. Direction: Select the most appropriate word for the given group of words.

Information, especially of a biased or misleading nature, used to promote a political cause or point of view

(a) Welter
(b) Propaganda
(c) Potable
(d) Orchard

Q71. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Although people had been on watch and / the watchkeepers were very, very tired, / everyone were up and buzzing.

(a) everyone were up and buzzing.
(b) No Error
(c) Although people had been on watch and
(d) the watchkeepers were very, very tired,

Q72. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'

Your body will respond by/ getting more muscular and/ strong before you know it.

(a) strong before you know it.
(b) No error
(c) Your body will respond by
(d) getting more muscular and

Q73. Direction: Select the most appropriate antonym of the given word.

Crude

(a) Beastly
(b) Ripe
(c) Stubble
(d) Intense

Q74. Fill in the blank with the most appropriate option.

'Well, that was _____ good,' said Harper.

(a) pleasing
(b) gorgeous
(c) beautiful
(d) pretty

Q75. Direction: Select the most appropriate option to fill in the blank.

She has a large, _____ sympathy and absolute fairness of temper.

(a) mean
(b) sparing
(c) generous
(d) thrifty

Q76. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

He lost his temper (by a driver) flashed her headlights as he overtook.

(a) afterwards a driver
(b) No correction required
(c) considering a driver
(d) after a driver

Q77. Direction: Fill in the blank with the most appropriate option.

Sulochana, whose _____ I had so admired during the festival, seemed a different person.

(a) polish
(b) crudeness

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(c) grace
(d) shadow

Q78. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Fairly and squarely

(a) Suddenly
(b) Rigorously
(c) Wholly
(d) Honestly

Q79. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Your presence _____ both my brother and sister.

(a) affecting
(b) effect
(c) effects
(d) affects

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

A container for housing honeybees

(a) Colonies
(b) Hive
(c) Pack
(d) Shoal

Q81. 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'.

(There's many a good tunes) played on an old violin.

(a) No substitution required
(b) There are many a good tunes
(c) There's many good tune
(d) There are many good tunes

Q82. Direction: Choose the incorrectly spelt word.

(a) Grave
(b) Staringg
(c) Leaf
(d) Blame

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

Even in time of natural disasters, the farmers had to pay their share of taxes.

(a) times of natural
(b) timer of natural
(c) times of naturally
(d) No improvement

Q84. Direction: Select the most appropriate antonym to substitute the bracketed word in the given sentence.

Similarly Sirius, the most (luminous) star in all the heavens, actually has a faint companion.

(a) excited
(b) miserable
(c) serious
(d) gloomy

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Q85. Direction: The statement below has been given with bracketed text. Select the option with correct Idiom for the bracketed text.

He (made an irreversible change, that will greatly impact his life) when he got that huge tattoo on his back!

(a) beat the dead horse
(b) became the devil's advocate
(c) crossed the Rubicon
(d) put a rose on his nose

Directions

Direction: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

He ____ (1) __ his eyes. Moonlight was shining __ (2) __ the bars on the window. And __ (3) ___ was goggling through the __ (4) __ at him: a freckle-faced, red-haired, long-nosed someone. Ron Weasley was outside Harry's __ (5) _____.

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

(a) expanded
(b) open
(c) close
(d) opened

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

(a) complete
(b) though
(c) through
(d) in

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

(a) sometimes
(b) somewhere
(c) someone
(d) somewhat

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

(a) bars
(b) verticals
(c) grills
(d) horizontals

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

(a) suitcase
(b) toilet
(c) window
(d) cupboard

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

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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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