SSC MTS (2022) Official Paper (Held On: 15 May, 2023 Shift 2) (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. A sum of money doubles itself in 12 years. Find the rate percent per annum of simple interest.

(a) 8.33%
(b) 6.25%
(c) 9.09%
(d) 11.11%

Q2. The radius of a hemisphere is 5 cm. Find the volume.

(a) 330.4 cm^3
(b) 117.9 cm3
(c) 150.6 cm3
(d) 261.9 cm3

Q3. Among four students sitting in a row, average age of last three students is 48 years and the average age of first three students is 50 years. If the age of first student is 56 years, then what is the age of the last student?

(a) 30 years
(b) 40 years
(c) 50 years
(d) 60 years

Q4. 12 men can complete a work in 6 days working 4 hours per days. If 4 men work 8 hours per day, then in how many days the same work will be completed?

(a) 8 days
(b) 6 days
(c) 9 days
(d) 10 days

Q5. Solve: [(144/12) + (43 × 3)] + 45 - 20 × 3

(a) 127
(b) 111
(c) 126
(d) 156

Q6. A can do a work alone in 60 days and B can do the same work alone in 33.33% less time taken by A. Find the time taken by B to complete the work alone.

(a) 30 days
(b) 17 days
(c) 22 days
(d) 40 days

Q7. A sum of money at simple interest amounts to Rs. 610 in 3 years and to Rs. 650 in 4 years. The sum is:

(a) Rs. 610
(b) Rs. 570
(c) Rs. 550
(d) Rs. 490

Q8. If the heights of two cylinders are in the ratio of 7 : 9 and their diameters are in the ratio of 6 : 7, then what is the ratio of the volumes of the cylinders?

(a) 6 : 7
(b) 7 : 9
(c) 5 : 9
(d) 4 : 7

Q9. A person covers first 15 km in 60 minutes and next 24 km in 30 minutes. What is his average speed for the whole Journey?

(a) 33 km/hr
(b) 26 km/hr
(c) 29 km/hr
(d) 23 km/hr

Q10. A sum becomes Rs. 5400 in 4 years at the rate of 20 percent per annum on simple interest. What is the sum?

(a) Rs. 3000
(b) Rs. 2500
(c) Rs. 4000
(d) Rs. 2000

Q11. A man goes from A to B at a speed of 200 kmph and comes back to A at a speed of 300 kmph. Find his average speed for the entire journey?

(a) 264 kmph
(b) 345 kmph
(c) 340 kmph
(d) 240 kmph

Q12. If A is 20 percent less than B, then B is how much percentage more than A?

(a) 33.33 percent
(b) 50 percent
(c) 20 percent
(d) 25 percent

Q13. What is the value of $9 \times 121 + 11 \times 84 \div 4$?

(a) 1240
(b) 1320
(c) 1230
(d) 1340

Q14. Marked price of a toy is 100 rupees and the selling price is 80 rupees. Calculate the discount percentage.

(a) 20%
(b) 40%
(c) 10%
(d) 30%

Q15. The table given below shows the number of students of five classes playing different games.

	Games		
Class	A	B	C

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6th	30	50	70
7th	60	20	35
8th	40	10	90
9th	38	26	50
10th	25	32	20

Which of the following statement is correct?

I. The average number of students playing A and B in 9th class are 32.

II. The average number of students playing A and C in 8th class are 75.

III. The total number of students playing all the three games in 10th class are 77.

(a) II and III
(b) I, II and III
(c) I and III
(d) I and II

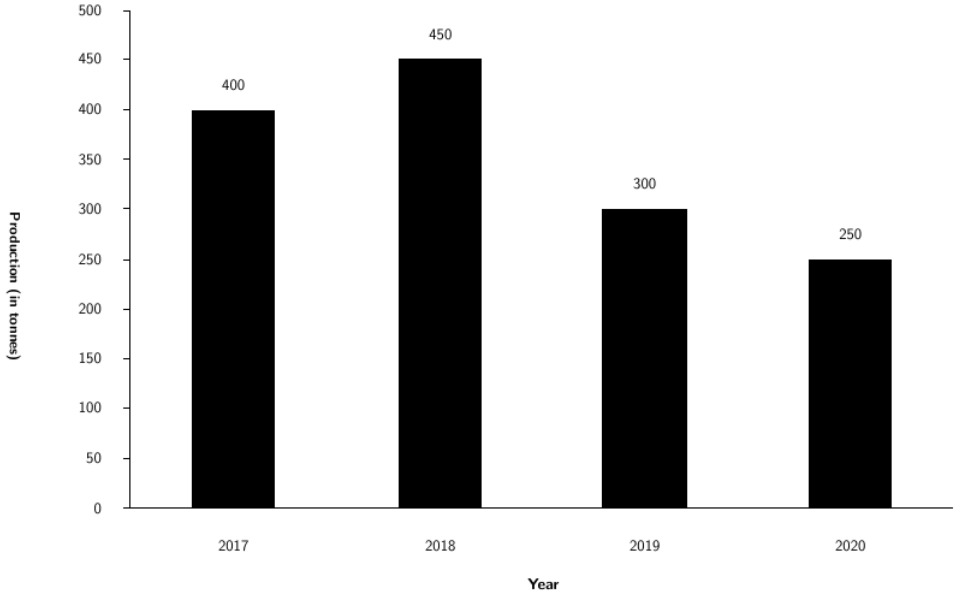
Q16. What is the average of first 10 natural numbers?

(a) 5.5
(b) 10
(c) 5
(d) 10.5

Q17. In a bucket there are 40 red balls and 120 blue balls. The ratio of red to blue is :

(a) 1 : 3
(b) 3 : 4
(c) 1 : 4
(d) 2 : 3

Q18. In the following graph the production of Raggi in 4 consecutive years are plotted. In which year the production of Raggi is maximum?



(a) 2020
(b) 2017
(c) 2019
(d) 2018

Q19. Find the profit if a shopkeeper sells the item for Rs. 4673 whose cost price was Rs. 3456.

(a) Rs. 1345
(b) Rs. 1456
(c) Rs. 1237
(d) Rs. 1217

Q20. Pankaj sells an article and earns a profit of 55 percent. What will be the ratio of cost price and selling price?

(a) 20 : 37
(b) 17 : 25
(c) 18 : 25
(d) 20 : 31

Q21. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 7, 343, 49

Second row- 6, 216, 36

Third row- 5, 125, ?

(a) 30
(b) 45
(c) 25
(d) 85

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

R : 324 :: I : ?

(a) 100
(b) 81
(c) 99
(d) 64

Q23. Six ladies Anu, Preeti, Arti, Kirti, Poonam and Suman are seated at a circular table facing the centre. Preeti is sitting opposite to Poonam. Poonam is sitting exactly between Kirti and Anu. Arti sits to the immediate right of Anu. Who sits to the immediate right of Preeti?

(a) Suman
(b) Kirti
(c) Arti
(d) Anu

Q24. In a certain code language, 'VOTED' is coded as '76218', 'WIDER' is coded as '08759', 'ADORE' is coded as '79382'. What is the code for 'ART' in that code language?

(a) 395
(b) 397
(c) 387
(d) 396

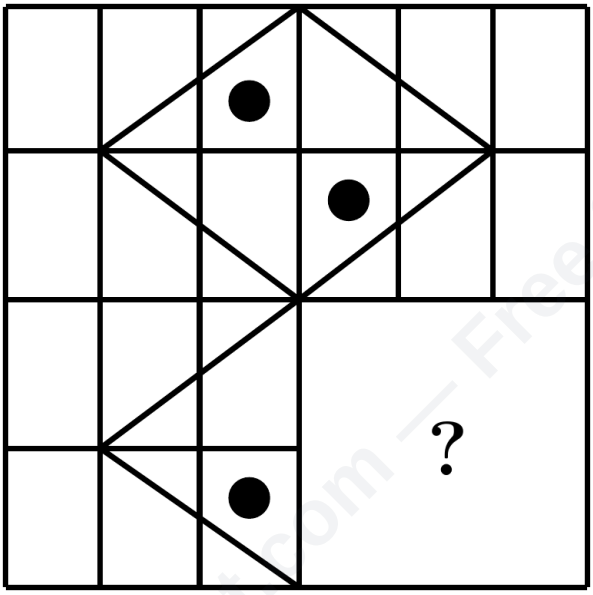
Q25. Select the option that is related to the third word in the same way as the second word is related to the first word.

Fruit : Pomegranate :: Mammal : ?

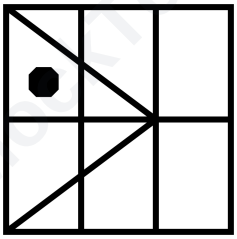
(a) Dog
(b) Pigeon
(c) Lizard
(d) Snake

Q26. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

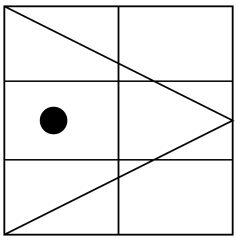
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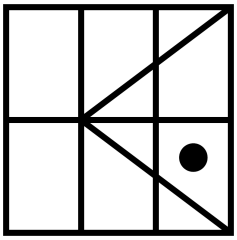
(a)



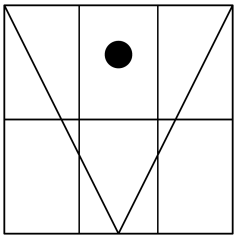
(b)



(c)



(d)



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Q27. Which of the following numbers will replace the question mark (?) in the given series?

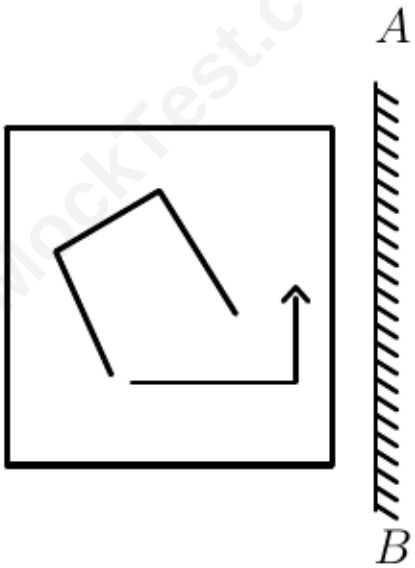
88, 92, 97, 103, 110, 118, ?

(a) 117
(b) 127
(c) 219
(d) 217

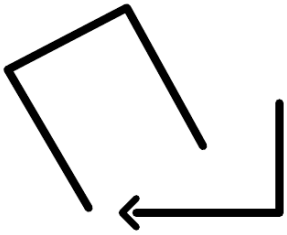
Q28. In a certain code language, 'DARK' is written as 'ECSM' and 'TREE' is written as 'UTFG'. How will 'GAME' be written in that language?

(a) HCNG
(b) HCMG
(c) HCNH
(d) HCNF

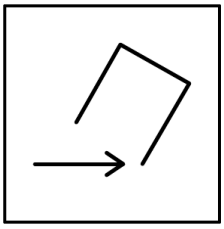
Q29. Select the correct mirror image of the given figure when the mirror AB is placed to the right side of the figure.



(a)

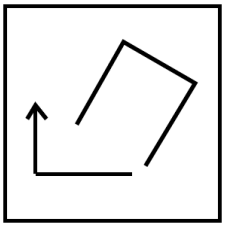


(b)

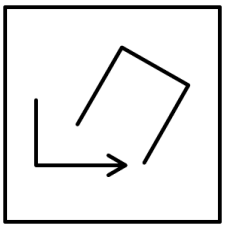


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(c)



(d)



Q30. In a certain code language, 'WIFE' is written as '172' and 'CAT' is written as '72'. How will 'SON' be written in that language?

(a) 244
(b) 144
(c) 241
(d) 141

Q31. Five friends Tam, Tan, Tap, Tab and Tat are standing in a column facing north. Tam stands behind Tan. Tat stands immediately behind Tap. Only one person stands in between Tat and Tam. Tab stands immediately behind Tam. Tab stands at the end of the column. Who stands at the front of the column?

(a) Tam
(b) Tan
(c) Tap
(d) Tat

Q32. 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:

No sticks are buses.

All schools are buses.

All buses are brave.

Conclusions:

I. No stick is brave.

II. All schools are brave.

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

Q33. Seven boys I, II, III, IV, V, VI and VII each have different ages. V is older than only II. I is younger than only VI. III is older than four other boys. VII is younger than IV. Who is the fourth eldest among the boys?

(a) IV
(b) I
(c) III
(d) II

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Q34. Which of the following letter cluster will replace the question mark (?) in the given series?

CX, EV, GT, IR, KP, ?

(a) QR
(b) MK
(c) LN
(d) MN

Q35. Which two signs should be interchanged to make the given equation correct?

13 - 25 = 5 + 4 ÷ 12

(a) • and =
(b) • and =
(c) • and -
(d) ÷ and =

Q36. In a certain code language, 'JOCKEY' is written as 'KCJYOE'. How will 'EXCISE' be written in that language?

(a) ICEXES
(b) ICEEXS
(c) CLEXDE
(d) EEICSX

Q37. Which two signs should be interchanged to make the given equation correct?

9 × 4 + 6 ÷ 3 - 5 = 39

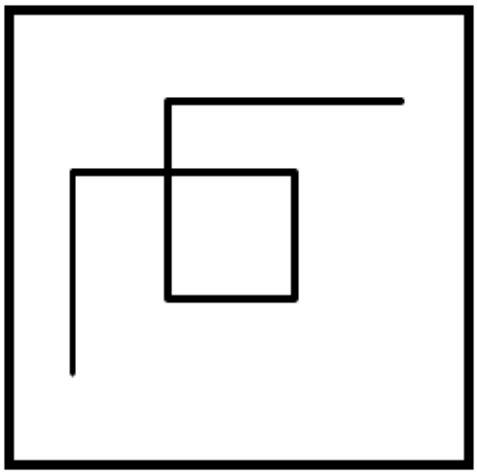
(a) ÷ and -
(b) × and +
(c) • and +
(d) • and =

Q38. Which of the following numbers will replace the question mark (?) in the given series?

27, 32, 42, 57, 77, 102, 132, ?

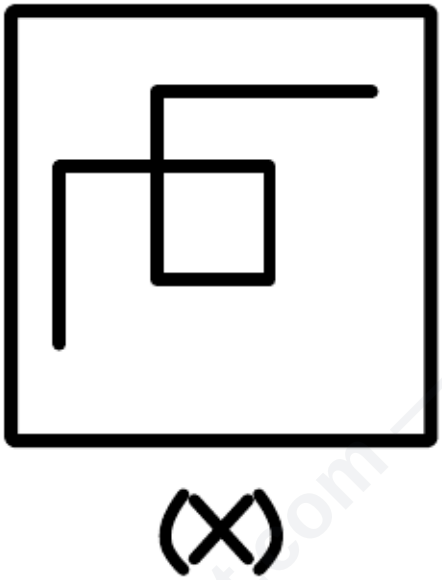
(a) 172
(b) 167
(c) 149
(d) 158

Q39. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

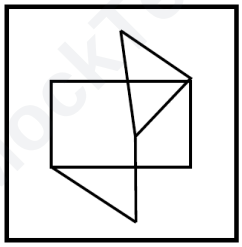


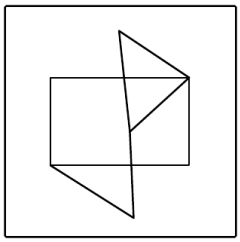
(X)

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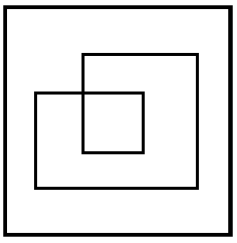


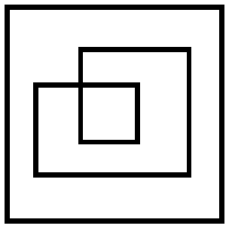
(a)





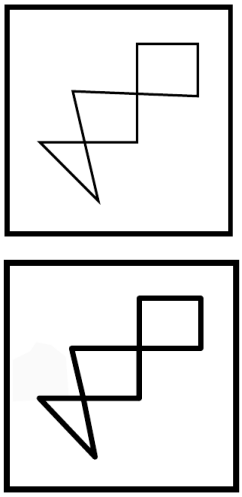
(b)



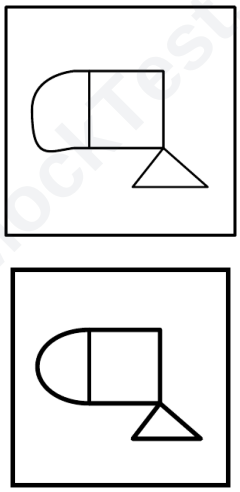


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(c)



(d)



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:

No pen is a paper.

All papers are pencils.

Conclusions:

I. Some pens are pencils.

II. All pencils are pen.

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

SESSION 2

Q41. Who is the author of the novel 'The God of Small Things'?

(a) Khushwant Singh
(b) Arundhati Roy
(c) Aravind Adiga
(d) Kiran Desai

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Q42. The Governor of a State shall, after every _____ years, constitute a finance commission under Article 243-I of the Indian Constitution.

(a) ten
(b) three
(c) five
(d) six

Q43. Festival of 'Hola Mohalla' is celebrated by which community?

(a) Jains
(b) Parsi
(c) Sikh
(d) Buddhist

Q44. As of 2022, India is the _____ largest producer of wheat in the world.

(a) third
(b) second
(c) fourth
(d) fifth

Q45. Who among the following won a gold medal in weightlifting in commonwealth Games 2022?

(a) Sanket Sagar
(b) Bindyarani Devi
(c) Vikas Thakur
(d) Saikhom Mirabai Chanu

Q46. Which is the second highest mountain in the Garhwal region of Uttarakhand?

(a) Nanda Devi
(b) Kamet
(c) Nilkantha
(d) Meru

Q47. The British parliament transferred the powers of east India company to the British crown in _____.

(a) 1858
(b) 1909
(c) 1919
(d) 1773

Q48. Which among the following features of the Indian Constitution was borrowed from the Constitution of Britain?

(a) Directive Principles of State Policy
(b) Cabinet System
(c) Fundamental Duties
(d) Concurrent list

Q49. Who among the following won the Mexican Formula 1 Grand Prix 2022?

(a) Carlos Sainz Jr.
(b) Lando Norris
(c) Max Verstappen
(d) Charles Leclerc

Q50. Plants require nutrients for their growth which can be supplied through _____.

(a) Soil and air only
(b) Soil, water and air
(c) Soil and water only
(d) soil only

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Q51. Which of the following is 'NOT' an example of communicable diseases?

(a) Chicken Pox
(b) Common cold
(c) Diabetes
(d) Tuberculosis

Q52. Which famous Indian Odissi dancer received the Padma Vibhushan, India's second highest civilian award, in 2000?

(a) Darshana Jhaveri
(b) Sunanda Nair
(c) Rukmini Devi Arundale
(d) Kelucharan Mohapatra

Q53. Which among the following statements is incorrect?

(a) Cell wall is present in animals.
(b) Cell membrane is also called the plasma membrane.
(c) Chromosomes are composed of DNA and Protein.
(d) Mitochondria are known as the powerhouse of the cell.

Q54. Which among the following is the sole note issuing authority in India?

(a) Industrial Finance Corporation of India
(b) National Payments Corporation of India
(c) Reserve Bank of India
(d) State Bank of India

Q55. Charkula is a famous dance form associated with which of the following states?

(a) Tamil Nadu
(b) Tripura
(c) Uttar Pradesh
(d) Andhra Pradesh

Q56. Guru Vempati Chinna Satyam received which of the following awards in the year 1998?

(a) Padma Shri
(b) Bharat Ratna
(c) Padma Vibhushan
(d) Padma Bhushan

Q57. Cricket World Cup, 1983 was held in which of the following places?

(a) England
(b) Australia
(c) West Indies
(d) India

Q58. With which neighbouring country does India share the Sunderbans forest?

(a) China
(b) Pakistan
(c) Bangladesh
(d) Nepal

Q59. As per census 2011, what is the Total Fertility Rate in India? (provide an approximate range)

(a) 3.1 - 3.9
(b) 2.1 - 2.9
(c) 4.1 - 4.9
(d) 5.1 - 5.9

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Q60. "The blue umbrella" is a novel written by famous Indian author _____.

(a) Khushwant Singh
(b) Sarat Chandra Chattopadhyay
(c) Ruskin Bond
(d) Arundhati Roy

Q61. _____ are formed when an opaque objects comes in the path of light.

(a) Mirror reflections
(b) Shadows
(c) Translucent rays
(d) None of the above

Q62. Which ministry organised a month-long programme called the 'Kashi Tamil Sangamam' in 2022?

(a) Ministry of Tribal Affairs
(b) Ministry of Culture
(c) Ministry of External Affairs
(d) Ministry of Education

Q63. Who received the Nobel Prize in Literature 2022?

(a) Peter Handke
(b) Olga Tokarczuk
(c) Abdulrazak Gurnah
(d) Annie Ernaux

Q64. Who among the following is famous for playing the musical instrument 'Sitar'?

(a) Vilayat Khan
(b) Zakir Hussian
(c) Surojeet Chatterji
(d) Ali Akbar Khan

Q65. International year of freshwater was observed in which year?

(a) 2000
(b) 2002
(c) 2003
(d) 2001

Q66. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The storm passed _____ but the night remained warm.

(a) quickest
(b) quicker
(c) quickly
(d) quick

Q67. 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.

'The tourists (rendered to the) museum on time.

(a) appeared at the
(b) occurred to the
(c) No correction required
(d) arrived at the

Q68. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The number of homes with running watered has been rising sharply since 1985.

(a) with run water

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(b) with running water
(c) of ran watered
(d) No improvement

Q69. Select the most appropriate option to fill in the blank.

Unless you complete your school education, you cannot get yourself _____ into a college.

(a) advanced
(b) enrolled
(c) mopped
(d) accommodated

Q70. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

No matter how mountains are formed, they eventually becomes too heavy and succumb to gravity.

(a) formed, they eventually becomes
(b) No matter how mountains are
(c) too heavy and succumb to gravity.
(d) No error

Q71. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Dead men’s shoes

(a) Making oneself available for all the tasks being assigned
(b) A career where a lot of cheques are signed
(c) Job that one takes over from somebody who has left unexpectedly or died
(d) Acquiring the wealth of a dead man through malpractices

Q72. Choose the word that means the same as the given word.

Arrogance

(a) Inhibition
(b) Bashful
(c) Dominance
(d) Diffidence

Q73. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Richard Dawkins written the foreword to the second edition of the book.

(a) wrote the foreword
(b) will wrote the foreword
(c) write the foreword
(d) No improvement

Q74. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Before he could devote many more / thought to the matter, Pranav / had stepped up to him.

(a) Before he could devote many more
(b) thought to the matter, Pranav
(c) had stepped up to him.
(d) No error

Q75. Select the appropriate synonym for the underlined word.

There is no need to attack our guest.

(a) generate
(b) assault
(c) mark
(d) adore

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Q76. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Oak trees do not use leaves to make food _____ the winter.

(a) while
(b) within
(c) during
(d) by

Q77. Choose the incorrectly spelt word.

(a) Maintaen
(b) Boring
(c) Stupid
(d) Gang

Q78. Choose the sentence with no spelling error.

(a) He stuod outside the bathroom door.
(b) He stood outcide the bathroom door.
(c) He stood outside the bathroom door.
(d) He stood outside the bathrum door.

Q79. Choose the word that can substitute the given group of words.

One who hates war, loves peace

(a) Pacifist
(b) Desecrater
(c) Fatalist
(d) Conformist

Q80. Choose the word that is opposite in meaning to the given word.

Lordly

(a) Despair
(b) Arrogant
(c) Ignoble
(d) Saucy

Q81. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

The lion's share

(a) Life with no regrets
(b) To lose a big amount of money
(c) Big success
(d) The largest portion

Q82. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Black holes can has powerful effects on their surroundings.

(a) has powerful effects
(b) No error
(c) on their surroundings.
(d) Black holes can

Q83. Select the most appropriate option to fill in the blank.

The priest puts some _____ water on the child's head.

(a) hairy
(b) holy
(c) haughty
(d) wholly

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Q84. Select the appropriate antonym for the underlined word.

The freedom to browse a secure and accountable online space will be compromised.

(a) indebted
(b) amicable
(c) irresponsible
(d) liable

Q85. Choose the word that can substitute the given group of words.

An exact copy of handwriting, printing

(a) Platitude
(b) Maiden
(c) Potable
(d) Facsimile

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.

In a gallery at the Metropolitan Museum of Art (1) _____ New York, paintings of a father and daughter (2) ____ face to face. Larger than life, the monumental portraits (3) ____ competing conceptions of royal power. The father, Henry VIII, (4) ____ directly at the viewer, conveying aggression through his wide stance, bulging leg muscles and (5) _____ padded clothing.

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

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

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

(a) rest
(b) hang
(c) poised
(d) hanged

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

(a) believe
(b) sell
(c) present
(d) settle

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

(a) books
(b) shocks
(c) looks
(d) hooks

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

(a) totally
(b) excessively
(c) commonly
(d) acutely

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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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