SSC MTS (2022) Official Paper (Held On: 11 May, 2023 Shift 3) (Previous Year Paper)

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

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SESSION 1

Q1. The value of 3/8 + [(4/8÷ 2/3)× 8/5+3/10] is:

(a) 15/8
(b) 3/8
(c) 3/2
(d) 15/2

Q2. A picture is 40 cm wide and 1.6 m long. The ratio of its width to its perimeter is:

(a) 4 : 1
(b) 10 : 1
(c) 1 : 10
(d) 1 : 4

Q3. A man can row 12 km/hr in still water. It takes him 4 times as long as to row up as to row down the river. The speed of the stream is:

(a) 7.2 km/hr
(b) 3.6 km/hr
(c) 9.8 km/hr
(d) 4.9 km/hr

Q4. A fruit dealer gets the cost price of 60 bananas by selling 40 bananas. What is the profit percent?

(a) 45%
(b) 50%
(c) 55%
(d) 30%

Q5. If the selling price of 9 boxes is equal to cost price of 15 boxes. The gain percent is (Selling price of all boxes is same. Cost price of all boxes is same):

(a) (50/3)%
(b) (200/3)%
(c) (100/3)%
(d) (140/3)%

Q6. The lateral area is thrice as big as the base area of a cone. If the diameter of the cone is 1 cm, then what is the total surface area of cone?

(a) π cm²
(b) 3π cm²
(c) 2π cm²
(d) 4π cm²

Q7. Find the LCM of reciprocals of 22 and 16.

(a) 1/2
(b) 1/3
(c) 1/6
(d) 1/4

Q8. Sameer walks a certain distance and rides back taking a total time of 40 minutes. He could walk both ways in 70 minutes. How long would it take for him to ride both ways?

(a) 7 minutes
(b) 5 minutes
(c) 10 minutes
(d) 15 minutes

Q9. X and Y together can do a piece of work in 45 days. If Y alone can complete it in 180 days, then in how many days X alone can complete the work?

(a) 90 days
(b) 40 days
(c) 60 days
(d) 80 days

Q10. The following table shows the total number of account holder in 5 different Banks.

How many women account holders are there in Bank R?

Bank Name	**Total number of account holder**	**Percentage of**		
Men	Women	Children		
P	35690	45	50	5
Q	40800	38	46	16
R	47600	52	42	6
S	54280	64	22	14
T	38920	20	60	20

(a) 19992
(b) 20480
(c) 30500
(d) 47600

Q11. P and Q can do a piece of work in 24 days, while R and S can do the same work in 8 days. In how many days P, Q, R and S do it together?

(a) 10 days
(b) 6 days
(c) 7 days
(d) 5 days

Q12. Allowing 10% and 13% successive discounts, the selling price of an article becomes Rs. 14094. The marked price is:

(a) Rs. 19000
(b) Rs. 20090
(c) Rs. 18000
(d) Rs. 16200

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Q13. The average salary of all the employees in an organization is Rs. 10000. The average salary of 10 technicians is Rs. 8000 and the average salary of the rest is Rs. 14000. The total number of employees in the organization is:

(a) 21
(b) 18
(c) 15
(d) 12

Q14. Determine the correct answer for (1/8) + (9/4) - 3.

(a) 2/5
(b) 7/8
(c) -5/8
(d) -3/8

Q15. The circumference of a circle is 220 cm. What is the area of that circle?

(a) 3850 cm^2
(b) 4550 cm^2
(c) 2850 cm^2
(d) 4650 cm^2

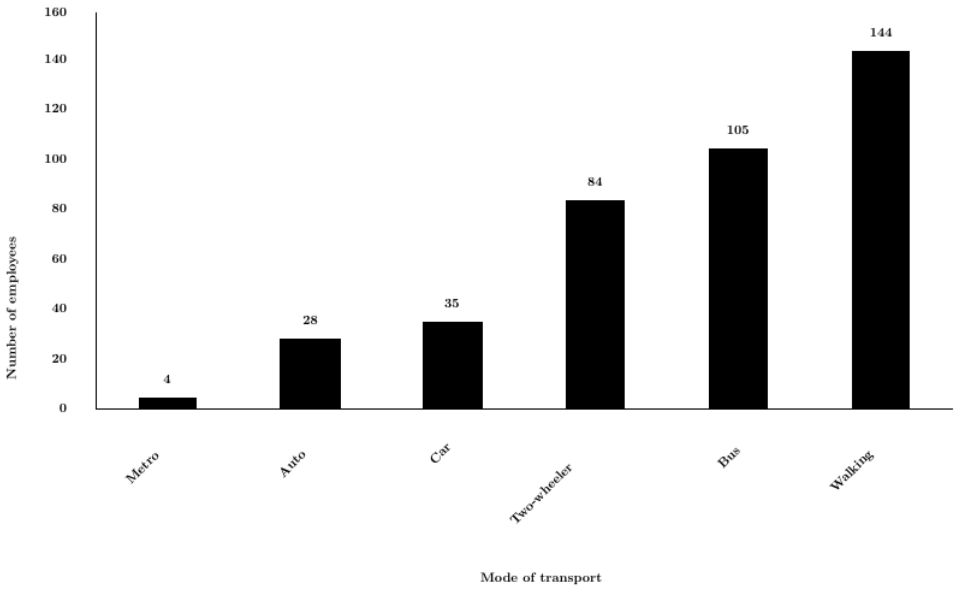
Q16. If the cost of 3 dozen of bananas is Rs. 180, then what is the cost of 7 dozen of Bananas?

(a) Rs. 490
(b) Rs. 210
(c) Rs. 420
(d) Rs. 350

Q17. What is the maturity value of Rs. 7416 at the end of 3 years at 8.33% simple interest?

(a) Rs. 10400
(b) Rs. 9270
(c) Rs. 9990
(d) Rs. 8840

Q18. The following bar graph shows the mode of transport used by the employees of a company. How much percent of total employees use two - wheelers as a mode of transport?



(a) 25%
(b) 21%
(c) 12%
(d) 42%

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Q19. The simple interest received on a sum is 4/9 of the sum. The number of years is equal to the annual rate of interest. What is the annual rate of interest?

(a) 7.5 percent
(b) 6.66 percent
(c) 6 percent
(d) 5.25 percent

Q20. If 30 percent of 600 is 60 percent more than A, then what is the value of A?

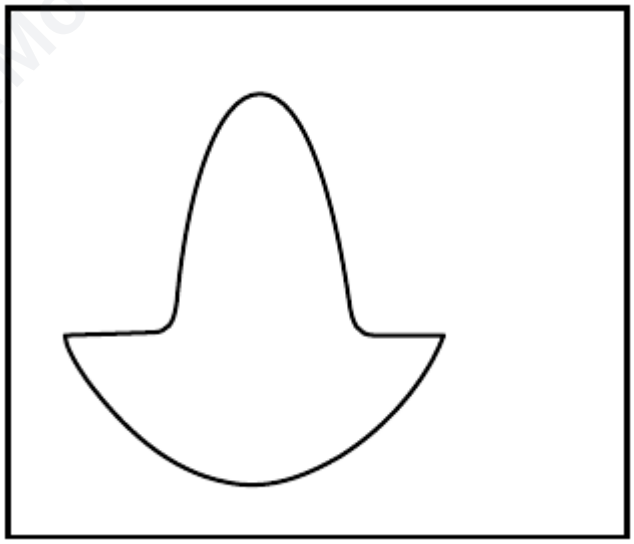
(a) 133.33
(b) 125
(c) 112.5
(d) 118.25

Q21. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

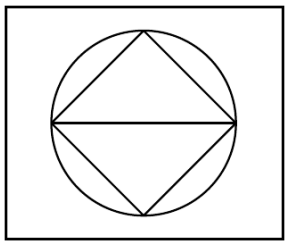
FGN, JJR, NMV, ?, VSD

(a) SPZ
(b) RPZ
(c) RQZ
(d) RPA

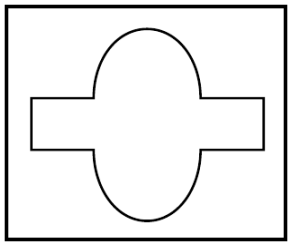
Q22. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



(a)

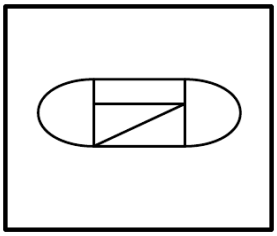


(b)

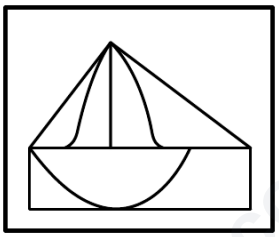


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(c)



(d)



Q23. In a certain code language, 'SURE' is coded as '20, 22, 19, 6', 'THEM' is coded as '21, 9, 6, 14'. What is the code for 'SELF' in that code language?

(a) 20, 6, 13, 7
(b) 20, 6, 12, 7
(c) 20, 5, 13, 7
(d) 19, 6, 13, 7

Q24. Select the option that is related to the sixth term in the same way as the first term is related to the second term and third term is related to fourth term.

FOL : RUL :: KAR : XGQ :: ? : TON

(a) HIN
(b) HIM
(c) HJM
(d) HJN

Q25. Eight boys Virat, Rohit, Kamal, Lakshmana, Rahul, Ram, Ramesh and Sohan are sitting around a circular table facing the center (but not necessarily in the same order). Rahul is second to the left of Kamal. Kamal is third to the left of Virat. Lakshmana is second to the right of Ram. Rohit is second to the right of Kamal. Ramesh is not an immediate neighbor of Kamal. Virat is second to the left of Ram. Who is second to the right of Sohan?

(a) Laxman
(b) Ram
(c) Ramesh
(d) Virat

Q26. In the following question, select the missing number of the given series.

1, 3, 7, 15, 31, ?

(a) 63
(b) 60
(c) 66
(d) 65

Q27. After interchanging which two signs and two numbers, the value of the given equation will be '44'?

6 × 7 ÷ 9 + 3 - 8

(a) • and ÷, 7 and 8
(b) • and -, 6 and 8
(c) × and +, 8 and 6
(d) × and ÷, 9 and 6

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Q28. 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.

20 : 105 :: 30 : 155 :: 50 : ?

(a) 255
(b) 235
(c) 245
(d) 265

Q29. In the following question, select the missing number of the given series.

49, 68, 87, ?, 125

(a) 107
(b) 106
(c) 104
(d) 108

Q30. In a certain code language, 'WINDOW' is coded as 'WODNIW'. What is the code for 'DOORS' in that code language?

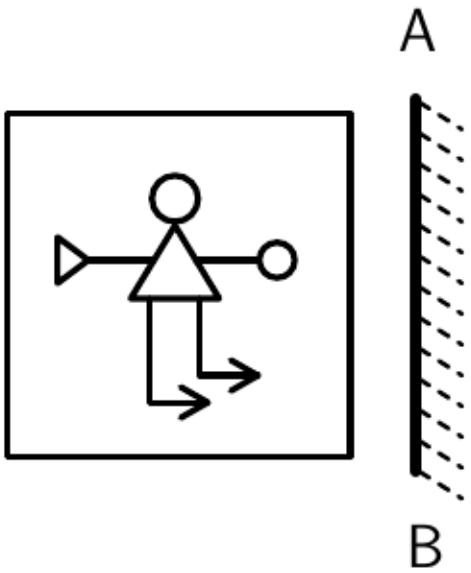
(a) SRROD
(b) SSLLD
(c) SROOD
(d) SROOE

Q31. 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 the third term.

GBQ : NYD :: ABR : OYX :: KND : ?

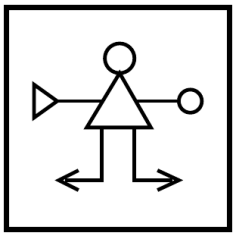
(a) AKI
(b) AKH
(c) BLH
(d) BKI

Q32. Select the correct mirror image of the given figure when the mirror is placed at AB as shown below.

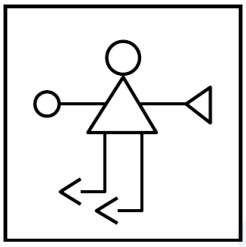


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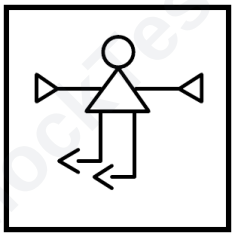
(a)



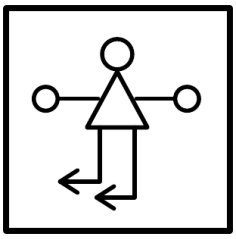
(b)



(c)



(d)



Q33. Maximum marks of five exams E1, E2, E3, E4 and E5 are compared. Maximum marks of each exam are different. Maximum marks of E5 are more than E3 and maximum marks of E3 are more than E1. Maximum marks of E1 are more than E4 and E2. Maximum marks of E2 are not the least among them. If the maximum marks of E2 are 180, then what can be the maximum marks of E4?

(a) 185
(b) 188
(c) 178
(d) 190

Q34. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All W are T.

II. All M are W.

Conclusion:

I. All M are T.

II. Some T are W.

(a) Neither conclusion follows
(b) Both conclusions I and II follows

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(c) Only conclusion II follows
(d) Only conclusion I follows

Q35. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)

(144, 8, 4)

(256, 12, 4)

(a) (324, 16, 3)
(b) (400, 16, 4)
(c) (225, 7, 6)
(d) (121, 7, 5)

Q36. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some U are M.

II. All M are J.

Conclusion:

I. All J are U.

II. Some U are J.

III. Some M are U.

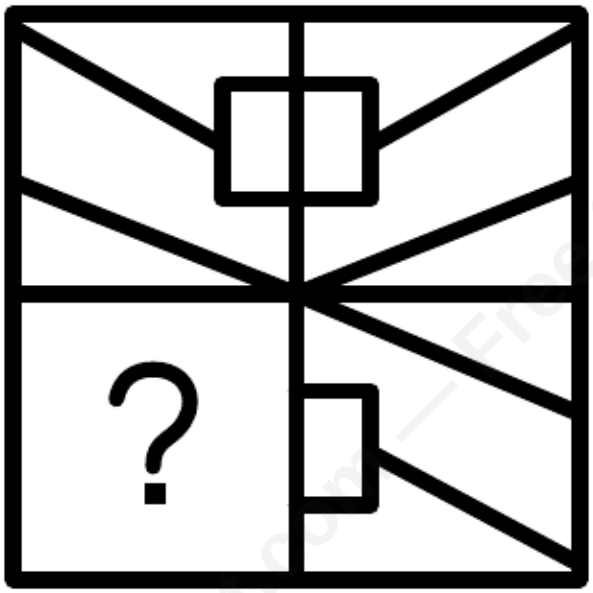
(a) Only conclusion III follows
(b) Both conclusions I and III follows
(c) Only conclusion II follows
(d) Both conclusions II and III follows

Q37. Seven players Virat, Rahul, Rohit, Surya, Hardik, Rishabh and Deepak are sitting around a circular table facing the center (but not necessarily in the same order). Rohit is second to the left of Virat. Virat is fourth to the right of Deepak. Hardik is to the immediate left of Deepak. Surya is not an immediate neighbor of Rohit. Rishabh is second to the right of Hardik. Who is the immediate neighbor of Hardik and Rishabh?

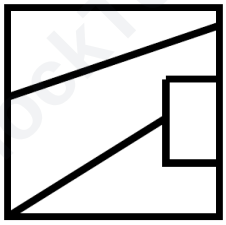
(a) Rahul
(b) Surya
(c) Deepak
(d) Virat

Q38. Which answer figure will complete the pattern in the question figure?

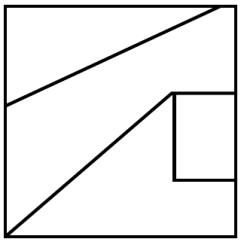
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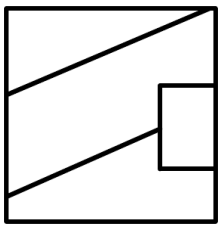
(a)



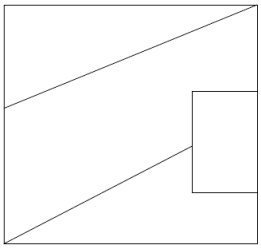
(b)



(c)



(d)



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Q39. By interchanging which two numbers the equation will be correct?

3 × 9 - 4 ÷ 2 + 6 = 28

(a) 9 and 2
(b) 6 and 4
(c) 3 and 6
(d) 9 and 6

Q40. In a certain code language, 'Neha play Volleyball' means 'no la ta', 'Neha like playing' means 'la to zu', 'Volleyball is best game' means 'xu no ba cu', then what is the code for Volleyball?

(a) ta
(b) ba
(c) no
(d) la

SESSION 2

Q41. Plasma is often called the _____ state of matter.

(a) fourth
(b) ninth
(c) eighth
(d) sixth

Q42. Who among the following was the last Pallava king?

(a) Mahendravarman I
(b) Aparajitavarman
(c) Narasimhavarman I
(d) Simhavishnu

Q43. In October 2022, ISRO chairman announced expected launch year of Chandrayaan 3 in _____.

(a) 2030
(b) 2027
(c) 2025
(d) 2023

Q44. Which among the following festivals is thanksgiving festival, mainly celebrated in Goa?

(a) Hornbill
(b) Myoko
(c) Bihula
(d) Ladainha

Q45. Which city hosted the 2022 commonwealth games?

(a) Greenwich
(b) Birmingham
(c) London
(d) Durban

Q46. Which among the following books released in 2021 was written by Amartya Sen?

(a) Will
(b) It's a Wonderful Life
(c) Home in the World
(d) Skill It, Kill It

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Q47. What is the study of interactions between a living organism and its environment?

(a) Ecology
(b) Biome
(c) Bio - reserve
(d) Ecosystem

Q48. Sangphao tribal dance is performed in which of the following states?

(a) Gujarat
(b) Rajasthan
(c) west Bengal
(d) Nagaland

Q49. Which continent of the world is referred to as a “Continent, Dedicated to Science”?

(a) Africa
(b) Antarctica
(c) North America
(d) Asia

Q50. In which of the following parts of the Indian constitution, Fundamental Rights are contained?

(a) Part III
(b) Part IV
(c) Part V
(d) Part II

Q51. Who was the Governor - General of India when Doctrine of Lapse was introduced in India?

(a) Lord Mountbatten
(b) Lord Dalhousie
(c) Lord Cornwallis
(d) Lord Canning

Q52. Presence of which phenomenon leads to weakening of trade winds in a region?

(a) Coriolis force
(b) Mango Shower
(c) El Nino
(d) La Nina

Q53. The mode of nutrition in which organisms make food themselves from simple substances is called _____.

(a) heterotrophic nutrition
(b) autotrophic nutrition
(c) saprotrophic nutrition
(d) phototrophic nutrition

Q54. Which of the following soil requires minimum tillage because of its self-cultivating feature?

(a) Red soil
(b) Laterite soil
(c) Peaty soil
(d) Black soil

Q55. Who among the following founded the Widow Re-Marriage Association?

(a) Raja Rammohan Roy
(b) Pandit Vishnu Shastri
(c) Swami Vivekananda
(d) Keshab Chandra Sen

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Q56. _____ is a Hindustani classical musician who plays the bowed instrument, the sarangi.

(a) Sandeep Das
(b) Zakir Hussain
(c) Shiv Kumar Sharma
(d) Pandit Ram Narayan

Q57. Which among the following is the oldest joint stock bank in India?

(a) Allahabad Bank
(b) Bank of Baroda
(c) Yes Bank
(d) Punjab National Bank

Q58. Chandragupta, was the first ruler of the Gupta dynasty to adopt the grand title of _____.

(a) dharamraja
(b) maharaj - adhiraja
(c) maharaja
(d) devanampriya

Q59. Which Indian monument was the most visited monument by domestic tourists in financial year 2022?

(a) Humayun's Tomb
(b) Taj Mahal
(c) Red Fort of Delhi
(d) Qutub Minar

Q60. Which architectural style of India was distinguished by the use of overhanging balconies and arched cornices?

(a) Rajput
(b) Sikh
(c) Nagar
(d) Mughal

Q61. Who was the only female Muslim ruler to ever rule India?

(a) Rabia - ud - durani
(b) Haazi Begum
(c) Razia Sultan
(d) Arzumand Bano

Q62. Who has been appointed as the new Chief Executive Officer of NITI Aayog in June 2022?

(a) Dr. P. K. Mishra
(b) Ramesh Chand
(c) Parameswaran Iyer
(d) Narendra Kumar Kashyap

Q63. Who among the following revived Kuchipudi, started his own 'Kuchipudi Dance Academy' in Chennai and received 'Padma Bhushan' in the year 1998?

(a) Kelucharan Mohapatra
(b) Uday Shankar
(c) Guru Vempati Chinna Satyam
(d) Guru Bipin Singh

Q64. In hockey, yellow card refers to temporary suspension of player for a minimum of _____ minutes of playing time.

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

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Q65. When a person moves to a new country, it is called _____.

(a) Immigration
(b) Emigration
(c) Out - Migration
(d) Intra - Migration

Q66. Fill in the blank with the most appropriate option.

At gurukul they spend many years together, growing into the best of friends, and _____ was time for each to return to his home, they wept.

(a) instantly it
(b) soon it
(c) when it
(d) after it

Q67. Fill in the blank with the most appropriate option.

The television is big, has an excellent picture, and last but not _____, it's cheap.

(a) close
(b) final
(c) end
(d) least

Q68. Select the most appropriate meaning of the given idiom.

Go down like a lead balloon

(a) To be received badly by an audience
(b) Put yourself in a tough position in order to support someone / something
(c) Surrender peacefully
(d) To gamble everything you have

Q69. Select the most appropriate word for the given group of words.

One appointed to act in place of another

(a) Deputy
(b) Minister
(c) Officer
(d) Delegate

Q70. Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

It automatically (adjusts) resistance to match the road grade.

(a) rectify
(b) order
(c) suit
(d) disorganize

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

After recess, the students returns to their desks.

(a) returned to there
(b) returns to there
(c) returned to their
(d) No improvement

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

Allergies can indirect cause you to feel tired by robbing you of sleep.

(a) No error
(b) robbing you of sleep.
(c) Allergies can indirect
(d) cause you to feel tired by

Q73. 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'.

Bonaparte, unlike Hoche, was not (eagerly to embark in) a serious Irish expedition.

(a) eager to embark on
(b) No substitution required
(c) eagerest to embarked on
(d) eager into embark in

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

You will _____ the price for this crime.

(a) make
(b) pay
(c) pale
(d) call

Q75. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The frequency of large wildfires _____ dramatically in recent decades.

(a) did increase
(b) has increased
(c) increase
(d) have increased

Q76. Select the most appropriate synonym of the given word.

Victorious

(a) Champion
(b) Unsuccessful
(c) Failing
(d) Losing

Q77. The statement below has been given with bracketed text. Select the option with correct idiom for the bracketed text.

I'm sorry I snapped at you earlier, I think I (am just in a bad mood today).

(a) two wrongs don't make right
(b) clam up
(c) dressed to the nines
(d) got up on the wrong side of the bed

Q78. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) KNOWLEDGE
(b) LIHGTNING
(c) OCCASSION
(d) MILLENIUM

Q79. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

I'll see you in the meets next week.

(a) at the meeting
(b) No improvement

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(c) of the meeting
(d) on the meeting

Q80. Select the most appropriate word for the given group of words.

Able to do many different things

(a) Versatile
(b) Monastery
(c) Omnipotent
(d) Niche

Q81. Choose the word that is opposite in meaning to the given word.

Anomaly

(a) Omen
(b) Tangible
(c) Regularity
(d) Tangent

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

Both men and women consider a variety of concerns when selecting there outfits.

(a) consider a variety of concerns
(b) Both men and women
(c) No error
(d) when selecting there outfits.

Q83. Choose the sentence with no spelling error.

(a) You will be here for seventy - two hours.
(b) You will be heare for seventy - two hours.
(c) You will be here for sventy - two hours.
(d) You will be here for seventy - two huors.

Q84. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

It'd be really cool if you got / on the team, I've never seen you / played badminton, are you good?

(a) No error
(b) on the team, I've never seen you
(c) played badminton, are you good?
(d) It'd be really cool if you got

Q85. Choose the word that means the same as the given word.

Feat

(a) Hallowed
(b) Handsy
(c) Accomplishment
(d) Obligation

Directions

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.

Planking is free and (1) ..... only a couple of minutes - no gym membership or special equipment (2) ..... Squatting, dead - lifting and pressing overhead without injury is hard to do without a strong (3) ..... "We need to keep our spine straight to do these (4) ..... Planking provides you with better core strength to be able to brace during these (5) ....." Lawton says.

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

(a) taken
(b) has taken
(c) takes
(d) took

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

(a) required
(b) registered
(c) catered
(d) placed

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

(a) core
(b) spot
(c) space
(d) matter

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

(a) exercises
(b) therapies
(c) surgeries
(d) mechanics

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

(a) drives
(b) competitions
(c) movements
(d) games

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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