SSC MTS Previous Year Paper (Held on: 20 July 2022 Shift 1)

SSC Multi-Tasking Staff (MTS) • 2022 • 100 questions • 90 minutes • Answer key

Take this paper as a timed mock test

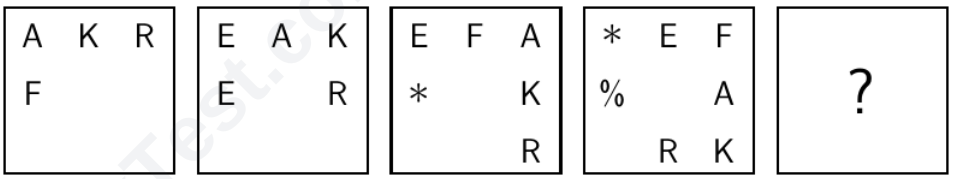
Practise under exam conditions, then review your answers after you submit.

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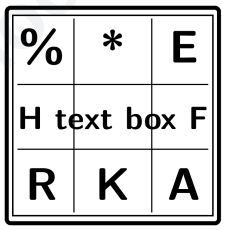
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GENERAL INTELLIGENCE & REASONING

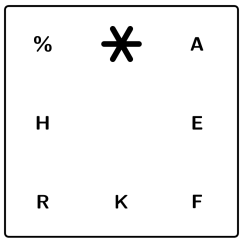
Q1. Select the figure from among the given options that can replace the question mark (?) in the following series.



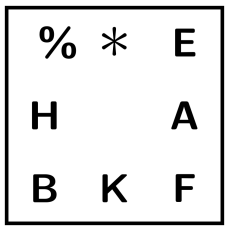
(a)



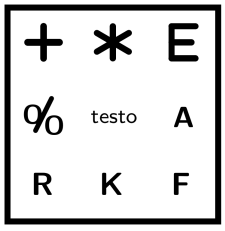
(b)



(c)

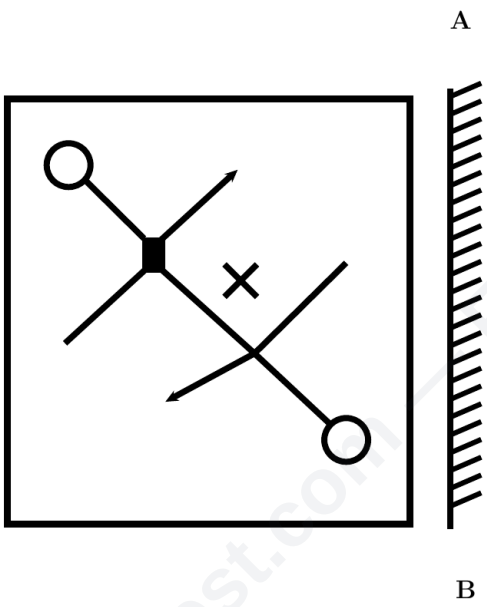


(d)

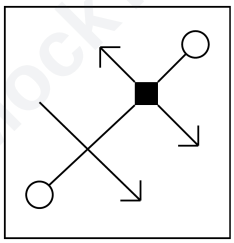


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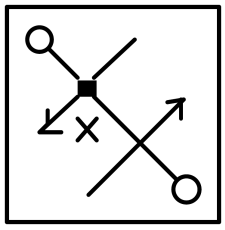
Q2. Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



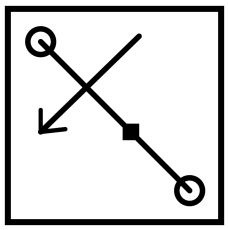
(a)



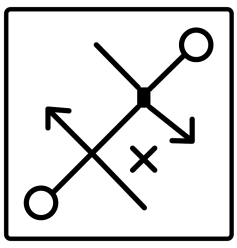
(b)



(c)



(d)



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Q3. Three boys T, R and M are sitting in a row facing towards the north (not necessarily in the same order), and three girls F, G and K are sitting in a row facing towards the face of these boys (not necessarily in the same order). F and R are diagonally opposite to each other. K is not at any of the ends.

Which of the following pairs of persons facing towards each other is/are definitely correct?

I. GR

II. KT

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

Q4. 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.

KSZ : PHC :: TNK : ?

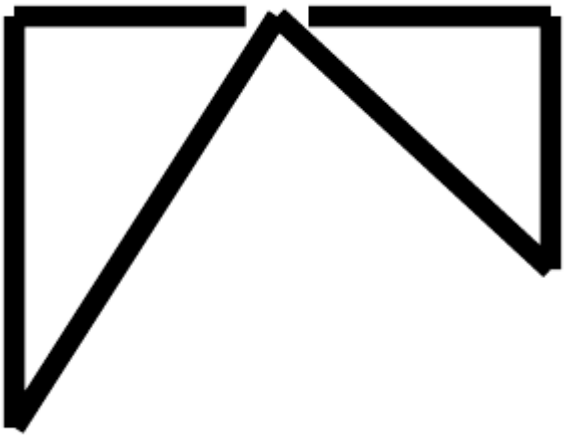
(a) MGN
(b) GNO
(c) GMO
(d) GMN

Q5. Eight girls A, B, C, D, E, F, G and H are sitting around a circular table facing opposite to the centre (not necessarily in the same order). B is second to the left of D. F is third to the left of B. A is second to the left of F. C is second to the left of A. G is third to the left of E.

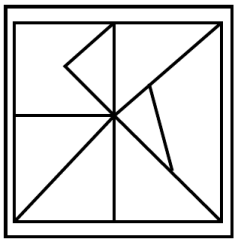
Three out of the following four options are similar by a certain logic and form a group. Which of the following does NOT belong to that group?

(a) A, C, E
(b) D, B, H
(c) D, H, G
(d) C, E, F

Q6. Select the option in which the given figure is embedded. (Rotation is not allowed)

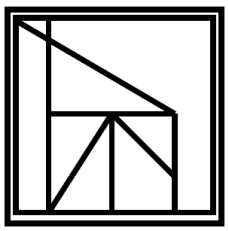


(a)

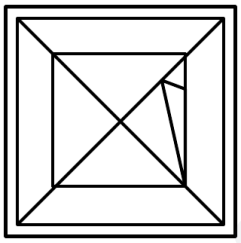


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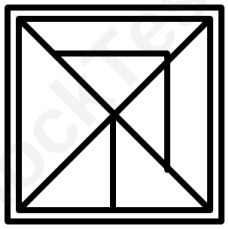
(b)



(c)



(d)



Q7. In a certain code language, 'GAME' is coded as '78', and 'PNAD' is coded as '105'. How will 'HORN' be coded in that language?

(a) 135
(b) 165
(c) 145
(d) 170

Q8. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. All car are red.

II. No blue is red.

Conclusions:

I. No car is blue.

II. Some red are cars

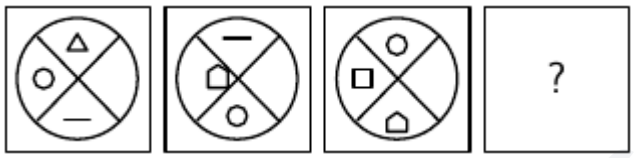
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) All conclusions follow
(d) None of the conclusions follow

Q9. In a certain code language, 'HALMST' is written as 'IZMLTS' and 'GEASTR' is written as 'HDBRUQ'. How will 'TRAILS' be written in that language?

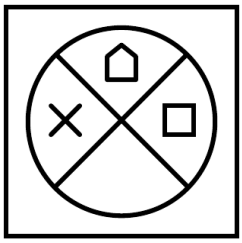
(a) UOBHMR
(b) UQBHNR
(c) UQBIMR
(d) UQBHMR

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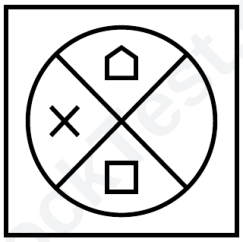
Q10. Select the figure from the given options that can replace the question mark (?) in the following series.



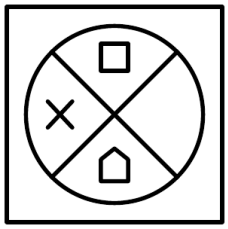
(a)



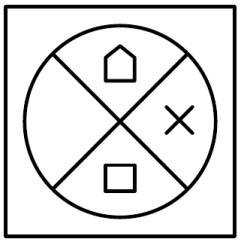
(b)



(c)



(d)



Q11. 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.

23 : 25 :: 17 : 64 :: 29 : ?

(a) 119
(b) 144
(c) 121
(d) 169

Q12. Select the number from among the given options that can replace the question mark (?) in the following series.

64, 51, 38, ?, 12, -1

(a) 25
(b) 22
(c) 27
(d) 24

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Q13. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. Some games are lands.

II. Some toys are games.

Conclusions:

I. Some toys are not lands.

II. Some lands are games.

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

Q14. In a certain code language, 'WORD' is written as 'CUXJ' and 'MOKE' is written as ‘SUQK’. How will 'IDEA' be written in that language?

(a) OJKG
(b) OJLG
(c) OJLH
(d) OJMG

Q15. Select the number from among the given options that can replace the question mark (?) in the following series.

13, 51, 205, 819, 3277, ?

(a) 13109
(b) 13107
(c) 13108
(d) 13106

Q16. Select the option in which the two numbers are related in the same way as are the numbers in the given number-pair.

64 : 10 :: ?

(a) 84 : 12
(b) 54 : 12
(c) 32 : 1
(d) 42 : 8

Q17. In a basket there are seven different fruits M, N, O, P, Q, R and S, each having a different weight. P is the heaviest. The weight of S is more than Q but less than O. The weight of M is the third lowest. R has the least weight. The weight of N is less than Q. How many fruits have more weight than S?

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

Q18. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

GROW, FSNX, ETMY, ?, CVKA

(a) DULX
(b) DVLA
(c) DVLZ
(d) DULZ

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Q19. After interchanging which two numbers will the value of the given expression be‘173’?

52 – 36 + 141 × 63 ÷ 47

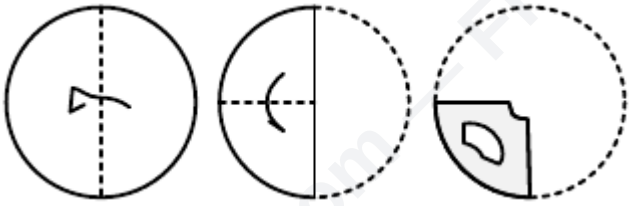
(a) 141 and 52

(b) 47 and 63

(c) 52 and 36

(d) 63 and 141

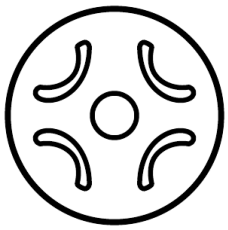
Q20. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



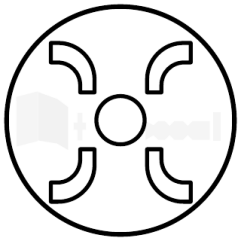
(a)



(b)



(c)



(d)



Q21. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

FNNC: CKKZ:: ADRS: XAOP:: BNNL: ?

(a) ZKKI

(b) ZKKJ

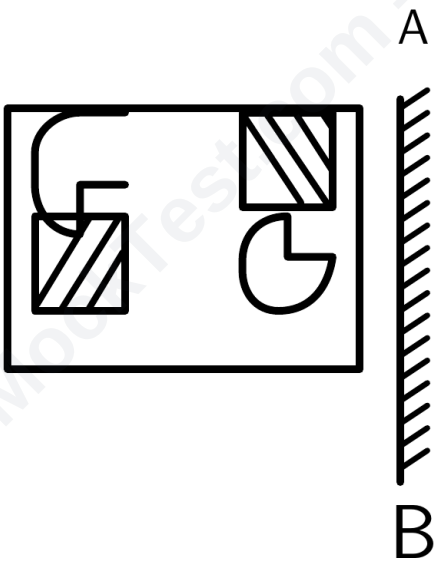
(c) YKKI
(d) YKKJ

Q22. 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.

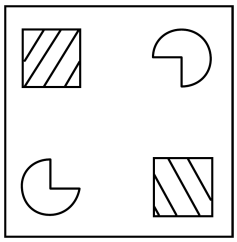
PRO : NOL :: HEL : ?

(a) FIB
(b) FCJ
(c) FJC
(d) FBI

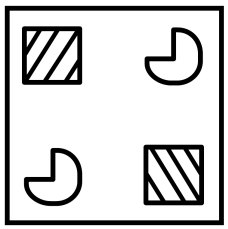
Q23. Select the correct mirror image of the given figure when the mirror is placed to its right side.



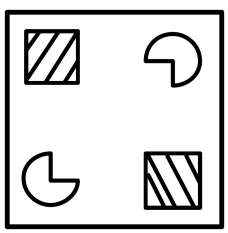
(a)



(b)

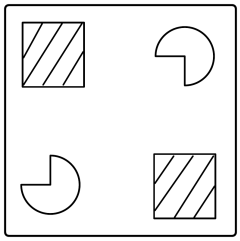


(c)



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(d)



Q24. In a certain code language, 'BASEBALL' is written as '45' and 'FEEDBACK' is written as '73'. How will 'PRACTICE' be written in that language?

(a) 27
(b) 37
(c) 57
(d) 47

Q25. After interchanging the given two signs and two numbers, what will be the value of the given expression?

15 and 3; + and ÷

6 ÷ 3 + 5 × 15 – 9 = ?

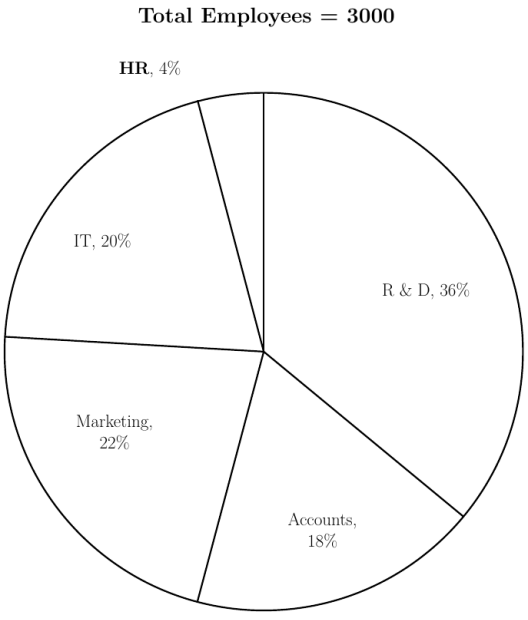
(a) 6
(b) 15
(c) 12
(d) 8

NUMERICAL APTITUDE

Q26. The number of students in a hostel increases from 5400 to 6075. By what percentage should the hostel reduce the per head consumption of food, so that the expenditure on food does not increase?

(a) 81/3%
(b) 111/9%
(c) 121/2%
(d) 10%

Q27. The following pie chart shows the percentage distribution of employees in five departments of a company XYZ.

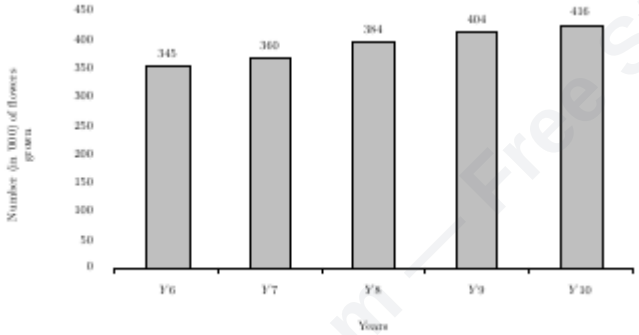


How many employees are there in the Marketing and Accounts departments taken together?

(a) 1500

(b) 1200
(c) 1250
(d) 1400

Q28. The following bar chart shows the number of flowers (in '000 kg) grown by a floriculturist in 5 consecutive years.



The number of flowers grown in Y5 was 15% more than those grown in Y4. The number of flowers grown in Y6 was 20% more than those grown in Y5. What is the difference between the numbers of flowers grown in Y9 and Y4?

(a) 168000
(b) 142000
(c) 154000
(d) 132000

Q29. The height of a cylinder is 3 cm more than the radius of its base. If the height is 10 cm, then what is the volume of this cylinder? [Use π = 22/7]

(a) 1540 cm^3
(b) 1860 cm^3
(c) 2160 cm^3
(d) 1240 cm^3

Q30. Point P and Q are 400 km apart. A person starts from P towards Q at 6 a.m. at a speed of 20 km/h. Another person starts from Q towards P at 6:30 a.m. at a speed of 30 km/h. At what time will they meet?

(a) 1:48 p.m.
(b) 2:18 p.m.
(c) 1:38 p.m.
(d) 2:28 p.m.

Q31. 140 liters of a solution is formed by mixing two solutions A and B. The concentrations of milk in A and B are 40% and 75%, respectively. If the resultant solution has a milk concentration of 52%, then what is the quantity of A that is there in the resultant solution?

(a) 92 litres
(b) 48 litres
(c) 65 litres
(d) 57 litres

Q32. 8 girls and 12 boys can complete a piece of work in 4 days, while 10 girls and 6 boys can complete it in 6 days. How long will 5 girls and 3 boys take to complete this same piece of work?

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

Q33. A man takes 4 hours and 30 minutes to row a boat a distance of 18 km downstream, and 3 hours 30 minutes to row the boat a distance of 7 km upstream. Find the speed of the stream.

(a) 4 km/h
(b) 2 km/h

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(c) 3 km/h
(d) 1 km/h

Q34. What is the value Of (36÷ 9× 5÷15+7× 3)/(6÷12×3÷12+8× 3) ?
(a) 528/529
(b) 536/579
(c) 487/529
(d) 485/569

Q35. What should come in place of the question mark (?) in the following mathematical statement?
18/60× 15/108×?=19
(a) 456
(b) 470
(c) 466
(d) 442

Q36. P : Q = 4 : 5 and R is 15% less than Q. If Q = 300, then what is the sum of P and R?
(a) 515
(b) 485
(c) 495
(d) 475

Q37. The value of P varies directly as the square of Q. When Q is 4, then P is 48. What is the value of Q when P is 243?
(a) 3
(b) 27
(c) 9
(d) 81

Q38. On selling 18 pens at Rs. 660, there is a profit equal to the cost price of 4 pens. What is the cost price of one pen (in Rs.)?
(a) 33
(b) 45
(c) 30
(d) 22

Q39. A camp of 250 soldiers has food for 600 days. After 60 days, 50 soldiers leave the camp. For how many days will the remaining food last from the time that these 50 soldiers left?
(a) 725 days
(b) 750 days
(c) 675 days
(d) 650 days

Q40. Vishal and Param each sold their article at Rs. 1,818 but Vishal incurred a loss of 10%, while Param gained by 1%. What is the ratio of the cost price of Vishal's article to that of Param's article?
(a) 101 : 90
(b) 3 : 4
(c) 85 : 89
(d) 81 : 75

Q41. A sum of Rs. 2,400 gives a simple interest of Rs. 504 in 3 years. Find the rate of interest per annum.
(a) 6%
(b) 10%
(c) 5%
(d) 7%

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Q42. The average of 12 numbers is M and the average of 8 of these numbers is P. If the average of the remaining numbers is N, then which of the following options is correct?

(a) 3M = 2P + N
(b) 4M = 2P + 3N
(c) 6M = 3P + 2N
(d) 6M = 2P + 3N

Q43. The ratio of the quantities imported of steel and iron in 2018 was 3 : 2 and in 2020 it was 1 : 1. The ratio of the quantities imported of steel in 2018 and 2020 was 4 : 3. What was the ratio of the quantities imported of iron in 2018 and 2020?

(a) 11 : 12
(b) 7 : 5
(c) 8 : 9
(d) 7 : 9

Q44. What is the radius of a circular field whose area is equal to the sum of the areas of three smaller circular fields of radii 8 m, 9 m and 12 m, respectively?

(a) 20 m
(b) 21 m
(c) 29 m
(d) 17 m

Q45. The average age of two friends. A and B, is 24 years. The average age of A, B and C is 22 years. What is the age of C?

(a) 22 years
(b) 18 years
(c) 21 years
(d) 20 years

Q46. A toy is formed by placing a solid circular cone on a solid hemisphere and the radius of the common base of the cone and the hemisphere is 15 cm. If the volume of the toy is 2850 π cm^3, then find the total surface area of that toy.

(a) 815 π cm^2
(b) 755 π cm^2
(c) 705 π cm^2
(d) 685 π cm^2

Q47. A shopkeeper wants to make a profit of 8% after giving a discount of 14%. At what approximate percentage above the cost price should he mark his goods?

(a) 22%
(b) 32.4%
(c) 25.6%
(d) 29%

Q48. The following table shows the total number of students in four different classes of a school, and the percentages of students participating in Music or Plays from each of these four different classes. NO student participates both in Music and in Plays.

Classes	Total number of students in each class	Percentage of participants	
		Music	Plays
X	600	12	8
IX	400	10	6
VIII	280	30	15
VII	250	10	12

What is the total number of students who do NOT participate in Music or Plays from classes X and VII, taken together?

(a) 700
(b) 620
(c) 480
(d) 675

Q49. The compound interest earned by Sunil on a certain sum at the end of two years at the rate of 16% p.a., when interest is compounded annually, was 864. What was the sum invested by Sunil?

(a) Rs. 2,500
(b) Rs. 2,750
(c) Rs. 1,500
(d) Rs. 2,000

Q50. Find the least possible number which when divided by 16, 24, and 28 leaves 13, 21, and 25 as remainders, respectively.

(a) 333
(b) 336
(c) 320
(d) 348

GENERAL ENGLISH

Q51. Select the most appropriate ANTONYM of the underlined word.

After a long and rigorous fast the Lord appeared before him.

(a) Sweaty
(b) Exhausting
(c) Oppressive
(d) Lenient

Q52. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Most workers resigns to join new jobs within the same industry.

(a) resigned
(b) was resigning
(c) No improvement required
(d) has resigned

Q53. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

A tiger’s skull / is similar / to / a lion.

(a) is similar
(b) A tiger’s skull
(c) a lion
(d) to

Q54. Select the most appropriate option to fill in the blank.

My friend, who is a photographer, is _____ a writer.

(a) also
(b) too
(c) again
(d) and

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Q55. Select the most appropriate option to fill in the blank.

The bank was prepared to _____ chance and lend him 40% of the purchase price.

(a) make a
(b) spare a
(c) take a
(d) see a

Q56. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

People and / there demands / are ever-growing, but / the availability of land is limited.

(a) People and
(b) there demands
(c) the availability of land is limited
(d) are ever-growing, but

Q57. Select the most appropriate option to fill in the blank.

I'm frustrated with the _____ minded view of history this article presents.

(a) small
(b) wide
(c) narrow
(d) bigger

Q58. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Caffeine is a diuretic that makes you urinate more often.

(a) No improvement required
(b) more much often
(c) many often
(d) oftenly more

Q59. Select the most appropriate meaning of the underlined idiom in the given sentence.

I always smell a rat when John says that he is going out for extra classes.

(a) Suspect trickery or deception
(b) Reveal a secret
(c) Trust completely
(d) Say something stupid

Q60. Select the most appropriate option to fill in the blank.

The Armenian language has many dialects, some of which cannot be _____ by speakers of other dialects.

(a) understood
(b) realised
(c) memorised
(d) completed

Q61. Select the option that can be used as a one-word substitute for the given group of words.

Someone who is silent or uncommunicative in speech.

(a) Garrulous
(b) Reserved
(c) Voluble
(d) Imperceptible

Q62. Select the idiom that can substitute the underlined segment in the given sentence.

Roy's customers think that the council has become irrational.

(a) Too much on their plates
(b) A piece of cake

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(c) Browned off
(d) Gone bananas

Q63. Select the most appropriate ANTONYM of the given word.

Ebullient

(a) Carefree
(b) Dejected
(c) Buoyant
(d) Roguish

Q64. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The family can none long stay in their big house.

(a) not stay longest
(b) No improvement required
(c) stay no long
(d) no longer stay

Q65. Select the most appropriate synonym of the given word.

Enraged

(a) Peaceful
(b) Fortunate
(c) Furious
(d) Elated

Q66. Select the INCORRECTLY spelt word.

(a) Foriegn
(b) Secondary
(c) Evince
(d) Portfolio

Q67. Select the most appropriate synonym of the given word.

Flagrant

(a) Favourable
(b) Wonderful
(c) Magnificent
(d) Atrocious

Q68. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.'

Many people believe that women make better nurses because they are patient and gentle.

(a) because she is
(b) as they would
(c) because they were
(d) No substitution required

Q69. Select the correctly spelt word.

(a) Eqiupment
(b) Strengthen
(c) Instrumentle
(d) Reversel

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Q70. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Many countries are not acting / fast enough to controlled / climate change.

(a) climate change
(b) Many countries are not acting
(c) No error
(d) fast enough to controlled

Directions

Direction: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Elephant Island's name is attributed to (1) ____ its elephant head-like appearance and the sighting of elephant seals (2) __ Captain George Powell in 1821, one of the (3) __ sightings. (4) __, in Russia it is still known under the name (5) ____ by its discoverers in 1821 - Mordvinova Island.

Q71. Select the most appropriate option to fill in blank number 1.

(a) either
(b) also
(c) both
(d) neither

Q72. Select the most appropriate option to fill in blank number 2.

(a) through
(b) from
(c) among
(d) by

Q73. Select the most appropriate option to fill in blank number 3.

(a) earlier
(b) early
(c) most early
(d) earliest

Q74. Select the most appropriate option to fill in blank number 4.

(a) Thus
(b) However
(c) Thereby
(d) Therefore

Q75. Select the most appropriate option to fill in blank number 5.

(a) released
(b) sorted
(c) given
(d) looked

GENERAL AWARENESS

Q76. Netaji Subhash Chandra Bose International airport is situated in _____.

(a) Kolkata
(b) Mumbai
(c) Delhi
(d) Chennai

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Q77. The President of India can nominate maximum _____ members of the Anglo-Indian community to the House of the People, if in his opinion it is not adequately represented.

(a) six
(b) three
(c) four
(d) two

Q78. 'An Unsuitable Boy' is the autobiography of _____.

(a) Karan Johar
(b) Akshay Kumar
(c) Anurag Kashyap
(d) Salman Khan

Q79. Minati Mishra was associated with which classical dance of India?

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

Q80. Which of the following terms is NOT associated with Tennis?

(a) Service break
(b) Goal
(c) Set
(d) Volley

Q81. Which water body is present to the south of India?

(a) Pacific Ocean
(b) Arabian Sea
(c) Bay of Bengal
(d) Indian Ocean

Q82. On the basis of age, the population of a nation is generally grouped into _____ broad categories.

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

Q83. Bihu is the folk dance form of which Indian state?

(a) Maharashtra
(b) Assam
(c) Karnataka
(d) Bihar

Q84. Who among the following founded Arya Samaj in 1875?

(a) Swami Dayanand Saraswati
(b) Ishwar Chandra Vidyasagar
(c) Raja Ram Mohan Roy
(d) Swami Vivekanand

Q85. Which Indian wrestler won a silver medal in Tokyo Olympics 2020?

(a) Virat Kohli
(b) Vijender Singh
(c) Ravi Dahiya
(d) Yogeshwar Dutt

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Q86. The aviation sector was inaugurated in India in the year _____ with the establishment of Tata Airlines.

(a) 1925
(b) 1932
(c) 1929
(d) 1935

Q87. Which of the following statements is correct?

I. Gautama Buddha belonged to a small gana known as the Sakya gana and was a Kshatriya.
II. Gautama Buddha passed away at Kusinagar.

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

Q88. The core of the Great Himalayas is composed of _____.

(a) Slate
(b) Granite
(c) Sandstone
(d) Limestone

Q89. Which ministry launched the Krishi Udan 2.0 scheme to facilitate the movement of agricultural produce?

(a) Ministry of Civil Aviation
(b) Ministry of Rural Development
(c) Ministry of Minority Affairs
(d) Ministry of Labour and Employment

Q90. Who has been reappointed as the Governor of the Reserve Bank of India (RBI) in October 2021?

(a) T V Somanthan
(b) Urjit Patel
(c) Shaktikanta Das
(d) D Subbarao

Q91. Who among the following won the award for Best Music Direction in Feature Films (Songs) at the 67th National Film Awards?

(a) D Imman
(b) Pritam
(c) AR Rahman
(d) Ilaiyaraaja

Q92. Bhagwati Committee (1973) presented a report on _____.

(a) unemployment
(b) poverty
(c) population growth
(d) commerce

Q93. Richard Wellesley was the Governor-General of India from _____.

(a) 1806-1810
(b) 1811-1816
(c) 1817-1822
(d) 1798-1805

Q94. The feature of Directive Principles of State Policy in the Indian Constitution is borrowed from the Constitution of _____.

(a) France
(b) Canada

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(c) Australia
(d) Ireland

Q95. Aqua regia is a freshly prepared mixture of concentrated hydrochloric acid and concentrated nitric acid in the ratio of _____ by volume.
(a) 3 : 1
(b) 2 : 1
(c) 6 : 1
(d) 4 : 1

Q96. Qutbuddin Aybak ruled over Delhi from _____.
(a) 1266 to 1287
(b) 1236 to 1240
(c) 1206 to 1210
(d) 1210 to 1236

Q97. Madan Mohan temple is a centrally protected monument. It is situated in which state of India?
(a) Himachal Pradesh
(b) Uttarakhand
(c) Uttar Pradesh
(d) Karnataka

Q98. Typhoid fever is caused by _____.
(a) viruses
(b) protozoa
(c) bacteria
(d) fungi

Q99. Tooth decay starts when the pH of the mouth is lower than _____.
(a) 5.5
(b) 7.5
(c) 9.5
(d) 10.5

Q100. 'Maru Mahotsav' also known as desert festival is celebrated in _____.
(a) jaipur
(b) Leh
(c) Jaisalmer
(d) Srinagar

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
91	a	92	a	93	a	94	a	95	a	96	a	97	a	98	a	99	a	100	a

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