SSC MTS (2022) Official Paper (Held On: 04 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. The value of 96 of 10 - 40 + 19 ÷ [{70 + (40 - 22) ÷ 3} ÷ 4] is:

(a) 880
(b) 900
(c) 800
(d) 921

Q2. At what rate of compound interest per annum, a sum of Rs. 20000 becomes Rs. 23152.50 in 1 year 6 months compounded half-yearly?

(a) 10% per annum
(b) 5% per annum
(c) 12% per annum
(d) 8% per annum

Q3. If Aman travels with 12.5 percent less speed of his usual speed, then he will reach 9 minutes late. What is the usual time taken by him?

(a) 63 minutes
(b) 70 minutes
(c) 56 minutes
(d) 49 minutes

Q4. If (9g + 2h) : (9g - 2h) = 9 : 2, then what is the value of g : h?

(a) 22 : 63
(b) 18 : 35
(c) 45 : 19
(d) 35 : 24

Q5. A trader sells an article at 20 percent profit. If he buys it at half of the cost price and sells at the same selling price as before, then what will be the profit percentage?

(a) 50 percent
(b) 150 percent
(c) 100 percent
(d) 140 percent

Q6. Marked price of a computer is Rs. 14000. Selling price of computer is Rs. 9702. If two successive discounts of 23 percent and y percent are given, then what is the value of y?

(a) 15 percent
(b) 10 percent
(c) 12 percent
(d) 5 percent

Q7. The following table shows the number of Men and Women in five different societies. What is the difference between the total population of Society R and Women in Society P?

Societies	Men	Women
P	440	320
Q	600	550
R	380	120
S	250	400
T	440	300

(a) 180
(b) 300
(c) 210
(d) 320

Q8. If p : q is 4 : 3 and q : r is 5 : 2. Find p : q : r.
(a) 20 : 15 : 6
(b) 10 : 4 : 7
(c) 15 : 6 : 20
(d) 7 : 4 : 10

Q9. The two adjacent sides of a parallelogram are 12 cm and 5 cm respectively. If one of the diagonals is 13 cm long, then what is the area of the parallelogram?
(a) 60 cm^2
(b) 30 cm^2
(c) 75 cm^2
(d) 25 cm^2

Q10. If LCM of two numbers is 72 and their product is 1728, then what is the HCF of the numbers?
(a) 1
(b) 18
(c) 24
(d) 12

Q11. What will be the ratio of the Least Common Multiple and Highest Common Factor of 13, 26 and 52?
(a) 5 : 1
(b) 13 : 1
(c) 6 : 1
(d) 4 : 1

Q12. A person covers first 25 km in 60 minutes and next 38 km in 30 minutes. What is his average speed for the whole journey?
(a) 46 km/hr
(b) 49 km/hr
(c) 42 km/hr
(d) 36 km/hr

Q13. What is the average of prime numbers between 12 and 25?
(a) 20
(b) 24
(c) 23
(d) 18

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Q14. Mia and Ria can do a piece of a work alone in 15 days and 10 days respectively. Mia started the work alone and then after 5 days Ria joined her till the completion of the work. How long did the work last?

(a) 5 days
(b) 9 days
(c) 12 days
(d) 4 days

Q15. What is the area of a circle with diameter 12 mm?

(a) 12π mm²
(b) 24π mm²
(c) 36π mm²
(d) 48π mm²

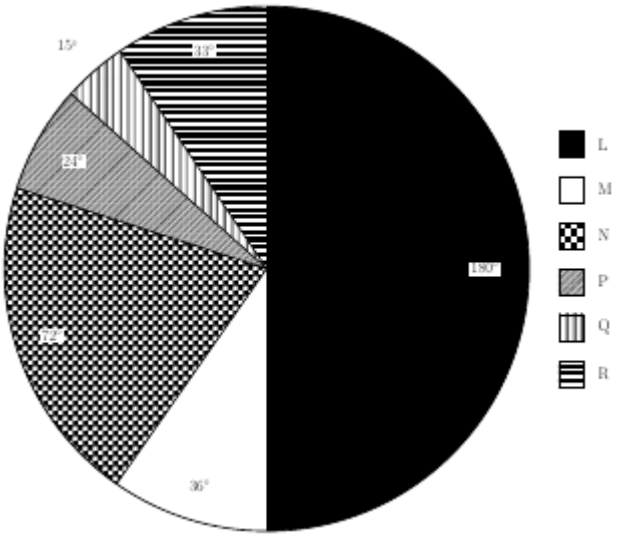
Q16. There are 300 men in a group. They have food for 30 days. After 10 days, 100 more men join the group. Remaining food will last for how many days?

(a) 20 days
(b) 10 days
(c) 15 days
(d) 12 days

Q17. The price of rice increased by 10%. By how much should we reduce the consumption, so that the expenditure does not increase on rice?

(a) 100/11%
(b) 300/7%
(c) 50/3%
(d) 51/7%

Q18. The pie chart given below shows the number of trucks manufactured by Six companies in a year. Total trucks manufactured by all these Six companies are 2160. Number of trucks manufactured by a particular company is shown in terms of degree with respect to the total number of trucks manufactured by all these Six companies.



Total number of trucks manufactured by L, N and Q is how much percent more than the total number of trucks manufacture by M and R?

(a) 286.95 percent
(b) 274.56 percent
(c) 188.24 percent
(d) 192.85 percent

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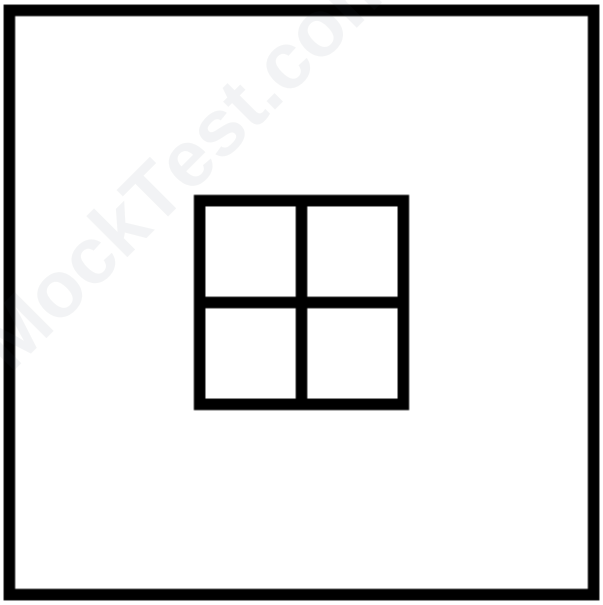
Q19. If J/4 = K/5 = L/3, then what is the value of $(L + J)^2 : (J + K)^2 : (K + L)^2$?

(a) 25 : 16 : 9
(b) 64 : 25 : 81
(c) 49 : 81 : 62
(d) 49 : 81 : 64

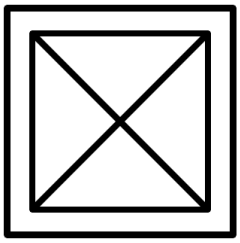
Q20. Rajiv sells a book to Mohan at a profit of 9% and Mohan sells it to Gopal at a profit of 13%. If Gopal pays Rs. 12,317 for it. Find the cost price for Rajiv.

(a) Rs. 15,000
(b) Rs. 11,000
(c) Rs. 16,000
(d) Rs. 10,000

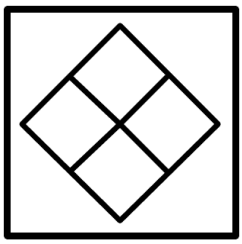
Q21. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(a)

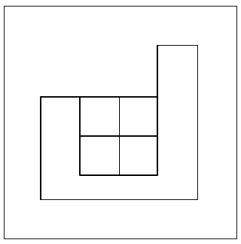


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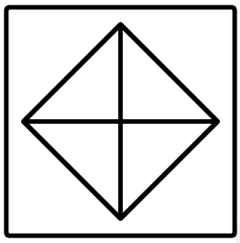


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(c)



(d)



Q22. Six boys Ram, Sumit, Sunil, Rahul, Raj and Aman are sitting around a circular table facing towards the centre (not necessarily in the same order). Sunil is not the immediate neighbour of Aman. Aman is second to right of Ram. Rahul is second to the right of Sumit. Raj is to immediate left of Ram. Who is second to the right of Rahul?

(a) Sumit
(b) Aman
(c) Raj
(d) Sunil

Q23. 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)

(125, 2, 3)

(512, 5, 3)

(a) (1782, 8, 6)
(b) (1000, 7, 3)
(c) (343, 5, 3)
(d) (216, 4, 3)

Q24. Which two signs should be interchanged to make the given equation correct?

11 - 2 × 16 + 19 = 25

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

Q25. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ANTQ, YMRP, ?, UKNN, SJLM

(a) WLPO
(b) WLQO
(c) XLPO
(d) WLPQ

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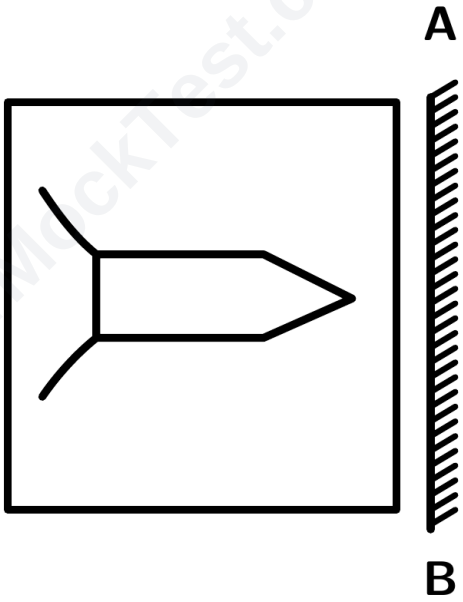
Q26. In a certain code language, 'HANG' is coded as 'LSFM'. What is the code for 'GRAW' in that code language?

(a) BGXK
(b) CGXL
(c) BFVL
(d) BFWL

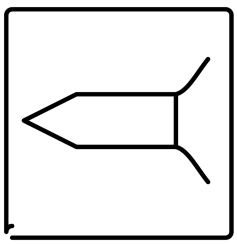
Q27. Eight boys Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing towards the centre (not necessarily in the same order). Vivek is third to the right of Kamal. Kamal is second to the right of Sanjay. Ram is second to the right of Anil. Anil is second to the right of Vivek. Rahul is third to the right of Aakash. Who is second to the right of Kamal?

(a) Ramu
(b) Sanjay
(c) Vivek
(d) Aakash

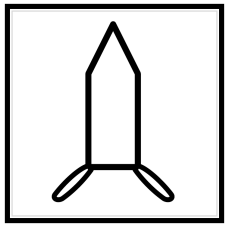
Q28. Select the correct mirror image of the given figure when the mirror AB is placed to the right side of the figure.



(a)

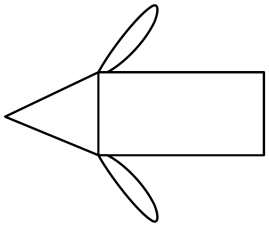


(b)

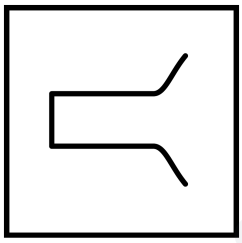


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(c)



(d)



Q29. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Newspaper : Editor :: Design : ?

(a) Teacher
(b) Architect
(c) Dramatist
(d) Doctor

Q30. By interchanging which two numbers the equation will be correct?

9 × 3 ÷ 6 + 4 - 8 = 1

(a) 8 and 9
(b) 3 and 6
(c) 3 and 4
(d) 6 and 8

Q31. Which of the following numbers will replace the question mark (?) in the given series?

46, 63, 80, 97, 114, ?

(a) 126
(b) 131
(c) 113
(d) 128

Q32. In a certain code language, 'PHONES' is coded as 'NFMLCQ'. What is the code for 'REALLY' in that code language?

(a) PCYKKW
(b) PCYJJY
(c) PCYJJV
(d) PCYJJW

Q33. 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 U are M.

II. All G are M.

Conclusion:

I. Some G are U.

II. Some G are M.

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

Q34. Capacities of six tanks A, B, C, D, E and F are compared. No two tanks have same capacity. Capacity of D is more than F and C. Capacity of A is less than only B. Which of the following sequence about their capacities can be correct?

I. A > D > E

II. C > F > E

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

Q35. 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 P are G.

II. Some F are P.

Conclusion:

I. All G are P.

II. All P are F.

III. Some F are not G.

(a) Only conclusion III follows
(b) Both conclusions II and III follows
(c) All conclusion follows
(d) Neither conclusion follows

Q36. Select the option that is related to the third number in the same way as the second number is related to the first number.

169 : 12 :: 81 : ?

(a) 9
(b) 7
(c) 6
(d) 8

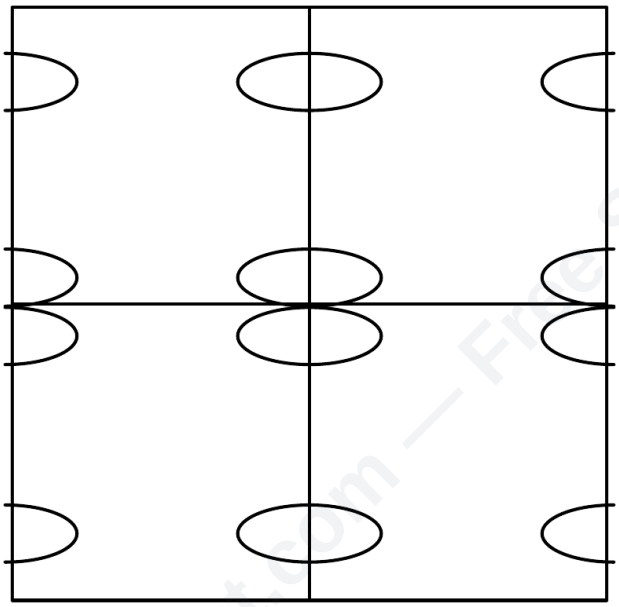
Q37. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Sword : Warrior :: ?

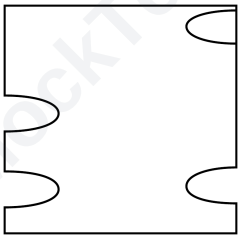
(a) Mason : Plumbline
(b) Scalpel : Sculptor
(c) Axe : Woodcutter
(d) Tailor : Needle

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

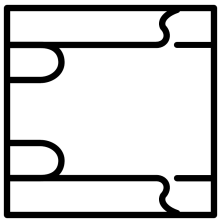
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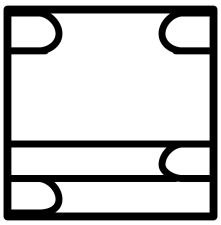
(a)



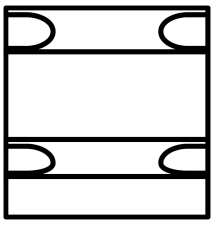
(b)



(c)



(d)



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Q39. In a certain code language, 'TAKES' is coded as '51', 'LEAVE' is coded as '40'. What is the code for 'TEAM' in that code language?

(a) 49
(b) 34
(c) 36
(d) 39

Q40. In the following question, select the missing number of the given series.

2, 6, 14, 30, 62, ?

(a) 130
(b) 126
(c) 128
(d) 131

SESSION 2

Q41. How many countries share the international land border with India, as of 2022?

(a) 5
(b) 7
(c) 8
(d) 6

Q42. Which folk dance of Rajasthan is also known as 'Sapera dance'?

(a) Gair
(b) Kalbelia
(c) Chari
(d) Ghoomar

Q43. Which among the following planets does not have any satellite?

(a) Jupiter
(b) Venus
(c) Saturn
(d) Uranus

Q44. Materials that do not allow electric current to pass through them are called _____.

(a) conductors
(b) insulators
(c) capacitors
(d) inductor

Q45. Who among the following was revered as the 'Queen of Thumri'?

(a) Naina Devi
(b) Siddheshwari Devi
(c) Girija Devi
(d) Annapurna Devi

Q46. Plants with green and tender stems are called _____.

(a) shrubs
(b) trees
(c) canopy
(d) herbs

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Q47. Sex ratio in India is defined as the number of females per _____.

(a) 100 males in the population
(b) 1000 males in the population
(c) 500 males in the population
(d) 100 children in the population

Q48. The Ravan Phadi cave in _____ is an example of the early Chalukya style architecture which is known for its distinct sculptural style.

(a) Tamil Nadu
(b) Kerala
(c) Andhra Pradesh
(d) Karnataka

Q49. The 36th meeting of 'Parliamentary committee on official language' was chaired by _____.

(a) Amit Shah
(b) Piyush Goyal
(c) Narendra Modi
(d) Rajnath Singh

Q50. The Prohibition of Child Marriage (Amendment) Bill, 2021 seeks to increase the marriage age of women to _____ years.

(a) 21
(b) 18
(c) 25
(d) 22

Q51. Malgudi Days is a collection of short stories by _____.

(a) Jhumpa Lahiri
(b) R. K. Narayana
(c) Chetan Bhagat
(d) Amish Tripathi

Q52. Who won India's first badminton medal in Olympics games?

(a) P.V.Sindhu
(b) Prakash Padukone
(c) Saina Nehwal
(d) Pullela Gopichand

Q53. The period of life, when the body undergoes changes leading to reproductive maturity is called _____.

(a) maturity
(b) adolescence
(c) cloning
(d) budding

Q54. Corbillon Cup is associated with which of the following sports?

(a) Golf
(b) Hockey
(c) Table Tennis
(d) Badminton

Q55. Which country is the host of "Vostok-2022" military exercise?

(a) UAE
(b) Russia
(c) India
(d) USA

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Q56. Cultivation of rice needs high rainfall with _____.

(a) Low temperature and low humidity
(b) High temperature and low humidity
(c) High temperature and high humidity
(d) Low temperature and high humidity

Q57. Which among the following gases is used as an anaesthetic in dental surgery?

(a) Nitrous Oxide
(b) Radon
(c) Argon
(d) Helium

Q58. Who among the following succeeded the throne of the Mughal Dynasty in India after Akbar?

(a) Shah Jahan
(b) Sher Shah Suri
(c) Aurangzeb
(d) Jahangir

Q59. Who among the following Governor Generals of Bengal outlawed the practice of Sati?

(a) Charles Canning
(b) Charles Cornwallis
(c) Warren Hastings
(d) William Bentinck

Q60. Padma Subrahmanyam received Padma Bhushan Award for her contribution to Indian Classical dance form in _____.

(a) 1998
(b) 2003
(c) 2001
(d) 2010

Q61. In India, Gir forest is the last remaining habitat of which animal?

(a) Asiatic Lion
(b) Snow leopard
(c) Black Panther
(d) Asian Cheetah

Q62. In the product method for measurement of national income, we need to deduct the value of intermediate goods to _____.

(a) analyse factors of production
(b) avoid over consumption
(c) avoid double counting
(d) estimate aggregate value of expenditure

Q63. Article 43B of the Indian constitution provide for _____.

(a) Organisation of village panchayats
(b) Right to work
(c) Separation of Judiciary from Executive
(d) Promotion of cooperative societies

Q64. What is the chemical name of Vinegar?

(a) Lauric Acid
(b) Acetic Acid
(c) Malic Acid
(d) Oxalic Acid

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Q65. Simone Biles is associated with which sports?

(a) Swimming
(b) Badminton
(c) Gymnastics
(d) Table tennis

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

Snow _____ lightly as everyone was leaving church.

(a) falling
(b) is falling
(c) was falling
(d) fallen

Q67. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Satya Nadella completed his primary education _____ Hyderabad Public School, Begumpet.

(a) by
(b) from
(c) over
(d) onto

Q68. Select the appropriate synonym for the underlined word.

In the absence of miracles, my frustration spikes.

(a) Digs
(b) Falls
(c) Losses
(d) Increases

Q69. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

A blast from the past

(a) A competition where the outcome is difficult to judge or predict
(b) Punishment for the crime committed in the past
(c) Something powerfully nostalgic
(d) An unresolved argument

Q70. Choose the word that is opposite in meaning to the given word.

Abolish

(a) Efface
(b) Deface
(c) Jettison
(d) Formalize

Q71. Choose the sentence with no spelling error.

(a) His grip tightend a fractoin on her arm.
(b) His grip tightened a fraction on her arm.
(c) His grrip tightned a fraction on her arm.
(d) His gripe tightened a fracton on her arm.

Q72. Choose the incorrectly spelt word.

(a) Drape
(b) Neweset
(c) Vibe
(d) Surround

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Q73. Directions: Each of the following sentences in this section has a blank space and is followed by four choices. Select the most appropriate choice to fill in the blank and mark your response accordingly.

She was moving slowly and _____ yesterday when she fell.

(a) shakily
(b) firmly
(c) vaguely
(d) strongly

Q74. Select the appropriate antonym for the underlined word.

They must have been more than just suspicious of you.

(a) Ambiguous
(b) Definitive
(c) Doubtful
(d) Queer

Q75. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

To treat nightmare disorder, there is a number of medications and therapies.

(a) there is a number
(b) of medications and therapies.
(c) No error
(d) To treat nightmare disorder,

Q76. Select the most appropriate option to fill in the blank.

What to do in the event of a gas _____.

(a) lead
(b) leek
(c) leer
(d) leak

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

MLA is a representative electing by the voters of a constituency to the legislature.

(a) elects by a
(b) elected by a
(c) No improvement
(d) elected by the

Q78. Choose the word that means the same as the given word.

Confirm

(a) Corrosion
(b) Collision
(c) Corroborate
(d) Collaborate

Q79. Find the part of the given sentence that has an error in it. If there is no error, choose ‘No error’.

I particular like that kitten because it has white feet.

(a) I particular like
(b) that kitten because it
(c) No error
(d) has white feet

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

Extreme physical or mental sufferings

(a) Agony
(b) Autonomy
(c) Aviary
(d) Autocracy

Q81. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

There is no big deal if she didn't came to the party.

(a) There is no big
(b) No error
(c) came to the party.
(d) deal if she didn't

Q82. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The day are warm, so the students ate their lunch outside.

(a) was warming
(b) is warm
(c) No improvement
(d) was warm

Q83. Select the most appropriate meaning of the given idiom.

Against the clock

(a) To take on a task that is a way to big
(b) On the point of achievement
(c) To avoid talking
(d) Rushed and short on time

Q84. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Don't try to force the window open, or you might broken it.

(a) you might breaks
(b) you have break
(c) you might break
(d) No improvement

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

Beginning to exist; recently formed or developed

(a) Herald
(b) Blasphemy
(c) Knave
(d) Nascent

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.

"I am proud to (1) _____ to a religion which has taught the world both tolerance (2) _____ universal acceptance," he declared (3) _____ September 11, 1893. "We believe not only in universal toleration, (4) _____ we accept all religions as true. I am proud to belong to a nation which has sheltered the persecuted and the (5) _____ of all religions and all nations of the earth."

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

(a) belong
(b) live
(c) behest
(d) gain

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

(a) and
(b) as well as
(c) or
(d) also

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

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

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

(a) yet
(b) though
(c) and
(d) but

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

(a) toilers
(b) refugees
(c) workers
(d) peons

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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