SSC MTS Official Paper (Held On: 14 Jun, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2023 • 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. What is the value of X?

X=7/5+{1/5-1/3} × 5/2~

(a) 19/15
(b) 16/15
(c) 17/15
(d) 15/16

Q2. A boat can row 24 km in 6 hours in still water. It can row 56 km downstream and 30 km upstream in 38 hours. What is the speed of the stream?

(a) 3.5 km/hr
(b) 5 km/hr
(c) 3 km/hr
(d) 4 km/hr

Q3. The table given below shows the production of five companies in two years.

	Years	
Company	L	M
P	150	200
Q	190	220
R	130	180
S	180	150
T	120	140

Which of the following statement is NOT correct?

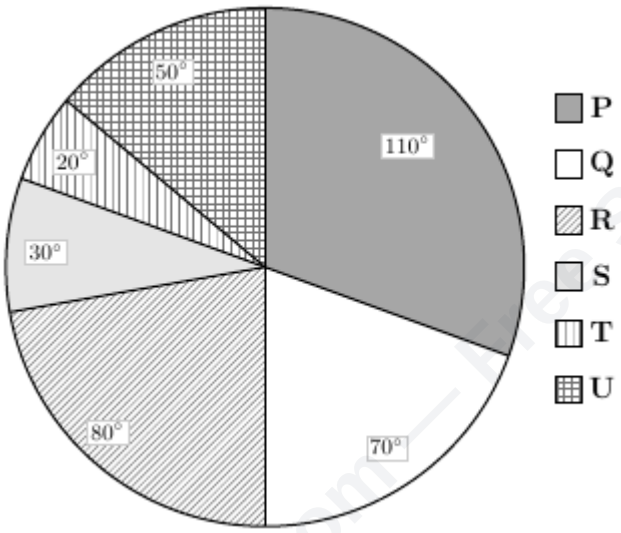
I. The average production of P, Q, R and S in year L are 172.5.

II. The ratio of production of T in year L to the production of T in year M are 6 : 7.

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

Q4. The pie chart given below shows the production of wheat by six states. The total production of wheat by all these six states is 3600. The production of wheat of a particular state is shown in terms of degree with respect to the total production of wheat by all these six states.

What is the difference between average production of wheat by P and Q and the average production of wheat by R and T?



(a) 300
(b) 500
(c) 400
(d) 200

Q5. The amount received on a certain sum after 3 years and 5 years on compound interest (compounding annually) is Rs. 20,736 and Rs. 29,859.84 respectively. What is that sum?

(a) Rs. 9000
(b) Rs. 14000
(c) Rs. 15000
(d) Rs. 12000

Q6. If selling price and cost price of a shirt is Rs. 945 and Rs. 750 respectively, then what is the profit percentage?

(a) 22 percent
(b) 26 percent
(c) 25 percent
(d) 28 percent

Q7. P is thrice as good as workman as Q and therefore is able to finish a work in 40 days less than Q. In how many days can they together complete the same work?

(a) 18 days
(b) 22.5 days
(c) 15 days
(d) 20 days

Q8. The salaries of X, Y and Z are in the ratio 8 : 5 : 12. If their salaries are increased by 10 percent, 20 percent and 30 percent respectively, then what will be the ratio of their increased salaries?

(a) 25 : 48 : 59
(b) 11 : 25 : 36
(c) 24 : 47 : 58
(d) 22 : 15 : 39

Q9. A sum of Rs. 2600 is invested in a scheme of simple interest. It becomes Rs. 3320 in 3 years. How much this sum will become in 5 years?

(a) Rs. 4200
(b) Rs. 3600
(c) Rs. 3800
(d) Rs. 4500

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Q10. A person covers first 35 km in 60 minutes and next 40 km in 30 minutes. What is his average speed for the whole journey?

(a) 63 km/hr
(b) 50 km/hr
(c) 42 km/hr
(d) 49 km/hr

Q11. The ratio of the sides of a triangle is 3 : 3 : 4. If the area of triangle is $32\sqrt{5}$ cm², then what is the length of the equal sides?

(a) 16 cm
(b) 10 cm
(c) 12 cm
(d) 15 cm

Q12. A square park has sides of length 18 cm. A 1 cm wide path along the edges is inside it. What is the area of the path?

(a) 76 cm2
(b) 92 cm2
(c) 68 cm2
(d) 180 cm2

Q13. The value of 44 + 67 - 32 ÷ 4 + (9 + 5 + 5 + 4) - 4 × 12 ÷ 6 - 30 ÷ 5 is:

(a) 121
(b) 123
(c) 120
(d) 112

Q14. Marked price of an article is Rs. 1200. A discount of 40 percent is given. If there is a loss of 20 percent, then what is the cost price of the article?

(a) Rs. 1020
(b) Rs. 850
(c) Rs. 900
(d) Rs. 780

Q15. If A : B : C = 2 : 3 : 4, then what will be the value of (A/B) : (B/C) : (C/A)?

(a) 8 : 9 : 24
(b) 8 : 7 : 25
(c) 12 : 10 : 13
(d) 9 : 5 : 36

Q16. The average height of P, Q and R is 160 cm. If the average height of P and Q is 140 cm and that of Q and R is 129 cm, then what is the height of Q?

(a) 62 cm
(b) 78 cm
(c) 72 cm
(d) 58 cm

Q17. If 80 percent of total articles are sold at a profit of 25 percent and remaining articles are sold at a loss of 20 percent, then what will be the overall profit percentage?

(a) 16 percent
(b) 12.5 percent
(c) 15 percent
(d) 20 percent

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Q18. What is the value of 72/22 × 11/3 ÷ 21/9 of 18/7 ?

(a) 6
(b) 36
(c) 8
(d) 2

Q19. P is 20 percent more than Q. Q is how much percentage less than P?

(a) 16.66 percent
(b) 14.28 percent
(c) 8.33 percent
(d) 33.33 percent

Q20. Avi alone can do a piece of work in 60 days while Prakash alone can do it in 80 days. In how many days will they finish it together?

(a) 240/7 days
(b) 250/6 days
(c) 140/6 days
(d) 270/6 days

Q21. Eight boys Ram, Sumit, Sunil, Rahul, Raj, Aman, Amit and Anil are sitting around a circular table facing towards the centre (not necessarily in the same order). Anil is not the immediate neighbour of Raj or Rahul. Anil is to the immediate left of Ram. Amit is the immediate neighbour of Raj. Aman is to the immediate right of Sumit. Sunil is sitting between Raj and Aman. Who is the immediate neighbour of both Raj and Anil?

(a) Amit
(b) Aman
(c) Sunil
(d) Rahul

Q22. Which of the following letter will replace the question mark (?) in the given series?

K, H, E, B, Y, V, S, P, ?

(a) F
(b) Q
(c) M
(d) I

Q23. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

PAN : IFK :: TEA : VJO :: FOR : ?

(a) MTB
(b) NTA
(c) MUB
(d) MTA

Q24. Number of pens in five shops M1, M2, M3, M4 and M5 are compared. Number of pens in M3 are more than only M1. No two shops have same number of pens. Number of pens in M5 are less than M2 but more than M4. Number of pens in M5 are more than how many shops?

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

Q25. Which two signs should be interchanged to make the given equation correct?

6 = 9 ÷ 3 - 2 + 7

(a) = and -
(b) • and =

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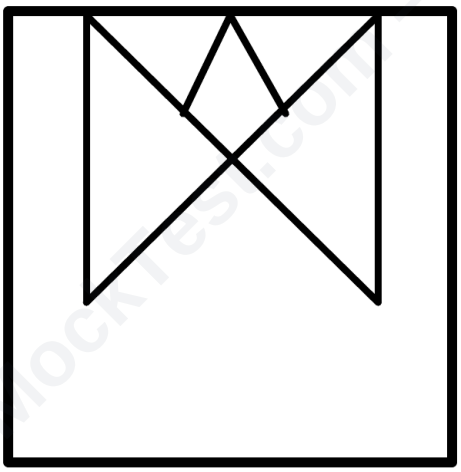
(c) • and +
(d) • and ÷

Q26. 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.

SUN : QSL :: ROP : ?

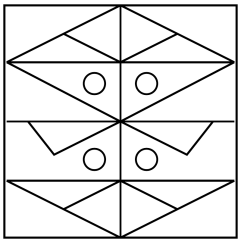
(a) PMN
(b) PMM
(c) PMO
(d) PNN

Q27. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

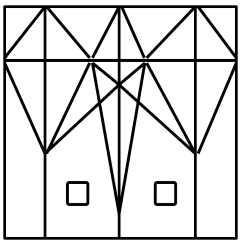


(X)

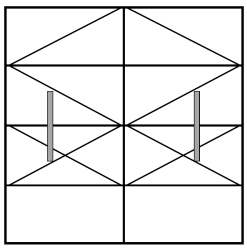
(a)



(b)

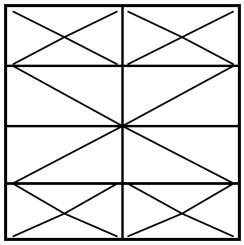


(c)



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(d)



Q28. 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:

All pins are needles.

Some needles are tables.

No needle is a bin.

Conclusions:

I. No table is a bin.

II. Some pins are tables.

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

Q29. After interchanging which two signs and two numbers, the value of the given equation will be '6'?

7 - 2 × 1 ÷ 3 + 5

(a) • and -, 7 and 5
(b) × and -, 5 and 3
(c) × and ÷, 2 and 7
(d) × and ÷, 7 and 5

Q30. Five girls A, B, C, D, and E are standing in a straight line facing south. A stand to the immediate right of C. D stands in between C and E. E is not standing in the end. Who is standing to the left of E?

(a) C
(b) B
(c) D
(d) A

Q31. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 30, 120, 124

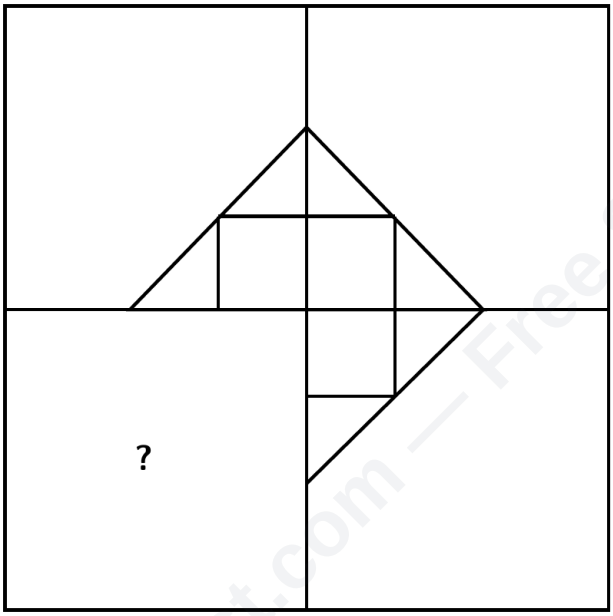
Second row- 40, 160, 164

Third row- 22, 88, ?

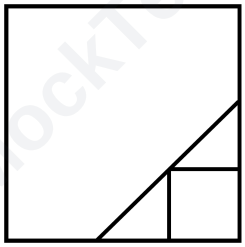
(a) 98
(b) 92
(c) 89
(d) 90

Q32. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

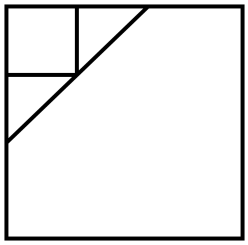
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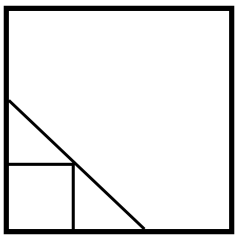
(a)



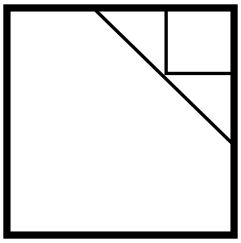
(b)



(c)

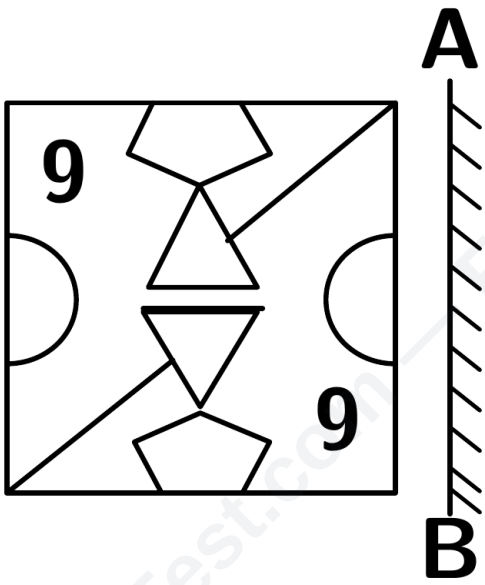


(d)

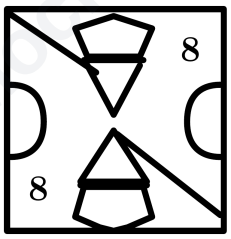


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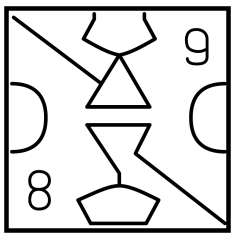
Q33. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



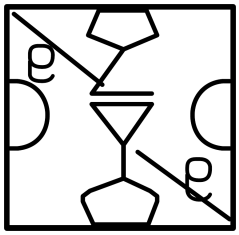
(a)



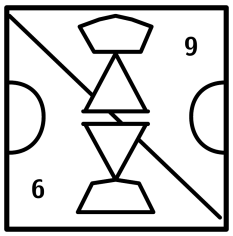
(b)



(c)



(d)



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Q34. In a certain code language, 'PESO' is written as '55' and 'THEN' is written as '47'. How will 'NIKE' be written in that language?

(a) 37
(b) 38
(c) 39
(d) 40

Q35. In a certain code language, 'COUNTY' is written as 'UOCYTN'. How will 'HOLDER' be written in that language?

(a) LOHRED
(b) LHORED
(c) LOHERD
(d) LOHDER

Q36. Which of the following numbers will replace the question mark (?) in the given series?

36, 33, 39, 36, 42, 39, 45, ?

(a) 42
(b) 38
(c) 29
(d) 48

Q37. In a certain code language, 'CODE' is written as '5SH3'. How will 'WIRE' be written in that language?

(a) 25NV3
(b) 20MV3
(c) 25MV6
(d) 25MV3

Q38. In the following question, select the missing number of the given series.

1, 5, 21, 85, 341, ?

(a) 1370
(b) 1365
(c) 1360
(d) 1380

Q39. 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.

15 : 256 :: 16 : 289 :: 18 : ?

(a) 336
(b) 342
(c) 441
(d) 361

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:

All diaries are books.

Some bags are diaries.

Conclusions:

I. All bags are books.

II. Some books are bags.

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

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SESSION 2

Q41. Which sea separates Africa from the Arabian peninsula?

(a) Red Sea
(b) Caspian Sea
(c) Black Sea
(d) White Sea

Q42. Jeev Milkha Singh is associated with which sport?

(a) Cricket
(b) Golf
(c) Hockey
(d) Athletics

Q43. In which country was the first Olympic Games held in the year 1896?

(a) Egypt
(b) Japan
(c) Greece
(d) Italy

Q44. Shri Bhagwant Mann became the Chief Minister of which state in March 2022?

(a) Delhi
(b) Himachal Pradesh
(c) Punjab
(d) Haryana

Q45. Who chairs the Monetary Policy Committee in India?

(a) Governor, Reserve Bank of India
(b) Comptroller and Auditor General of India
(c) Deputy Governor, Reserve Bank of India
(d) Union Finance minister

Q46. Jyotiba Phule founded which of the following organizations?

(a) Satyashodhak Samaj
(b) Arya Samaj
(c) Satnami Samaj
(d) Brahmo Samaj

Q47. England lift the ICC Men's T20 World Cup 2022 trophy after beating _____.

(a) Pakistan
(b) Australia
(c) New Zealand
(d) India

Q48. The term "Vetti" in Chola empire is related to ____.

(a) forced labour
(b) part payments
(c) gold coins
(d) army

Q49. Cotton was probably grown at Mehrgarh from about _____.

(a) 7000 years ago
(b) 8000 years ago
(c) 5000 years ago
(d) 6000 years ago

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Q50. Rural Employment Generation Programme (REGP) was launched in _____.

(a) 1997
(b) 1991
(c) 1993
(d) 1995

Q51. Kuchipudi dance is accompanied by which type of music?

(a) Fusion
(b) Carnatic
(c) Hindustani
(d) Jazz

Q52. Tribal leader Birsa was associated with which tribe?

(a) Bhil
(b) Munda
(c) Gond
(d) Bhutia

Q53. Which among the following are called the amphibians of the plant kingdom?

(a) Thallophyte
(b) Angiosperm
(c) Gymnosperm
(d) Bryophyte

Q54. Who is the playback singer and composer of the famous song "Qismat Ki Hawa" which featured in the movie Ludo in 2020?

(a) C. Ramchandra
(b) Arijit Singh
(c) R.D. Burman
(d) A. R. Rahman

Q55. Which among the following acids is found in Mustard oil?

(a) Tartaric Acid
(b) Erucic Acid
(c) Malic Acid
(d) Lauric Acid

Q56. Which among the following terms means growing of fruits?

(a) Pomiculture
(b) Apiculture
(c) Arboriculture
(d) Sericulture

Q57. Rural Backyard Piggery Scheme was launched by which state government?

(a) Assam
(b) Jharkhand
(c) Meghalaya
(d) Punjab

Q58. Which two head rivers merge to form the river Ganga?

(a) Alaknanda and Mandakini
(b) Alaknanda and Bhagirathi
(c) Mandakini and Dhauliganga
(d) Bhagirathi and Mandakini

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Q59. The Lok Sabha (House of the People) was duly constituted for the first time on _____.

(a) 20 April 1951
(b) 17 April 1952
(c) 18 January 1950
(d) 26 April 1950

Q60. Which article of the Indian constitution provides freedom to manage its own affairs in matters of religion?

(a) Article 21
(b) Article 26
(c) Article 15
(d) Article 37

Q61. "Chhath Puja" is celebrated with great grandeur all over the world mainly by which community?

(a) Bihari community
(b) Punjabi community
(c) Marathi community
(d) Gujarati community

Q62. What is the atomic number of Nitrogen in the science periodic table?

(a) 11
(b) 7
(c) 18
(d) 21

Q63. Which among the following novels was written by famous Indian author Mulk Raj Anand?

(a) Train to Pakistan
(b) Untouchable
(c) The Room on the Roof
(d) Godan

Q64. Guru Vempati Chinna Satyam is associated with which of the following dance forms?

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

Q65. If Birth rate of a country is more than death rate then the population will _____.

(a) decrease gradually
(b) decrease by 50%
(c) increase
(d) remain constant

Q66. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

There are already many examples of great technology that had born in the United States.

(a) No error
(b) There are already many examples
(c) of great technology that had
(d) born in the United States.

Q67. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Susan had recently run on to / Catherine at the supermarket, they / were seeing each other after many years.

(a) No error
(b) Catherine at the supermarket, they
(c) Susan had recently run on to
(d) were seeing each other after many years.

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Q68. 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'.

He lights his pipe, (and on many an evenings he helps me with) dishes.

(a) and many an evenings he helps me with the
(b) No substitution required
(c) and on many evenings he helps me with the
(d) and on many evenings he helped me with the

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

The show played to full houses for a five-night run and ended to _____ applause on Saturday night.

(a) redress
(b) barren
(c) semantic
(d) tumultuous

Q70. Select the most appropriate antonym of the given word.

Evidence

(a) Signature
(b) Duplicity
(c) Information
(d) Concealment

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

A storm in a tea cup

(a) Back to original position
(b) Great outrage or excitement about a trivial matter
(c) Constant source of annoyance to someone
(d) To deal with a person who is more than one's match

Q72. 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'.

That is not a solution available (to most people for who email has become necessity.)

(a) to most people for who email has become a necessity.
(b) for most people to whom email has became necessity.
(c) No substitution required
(d) to most people for whom email has become a necessity.

Q73. Select the most appropriate synonym of the given word.

Glorify

(a) Lower
(b) Wonder
(c) Celebrate
(d) Mock

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

Ancient Indians were never this _____ minded.

(a) slim
(b) narrow
(c) tiny
(d) cramp

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

Most of the oil and gas that the UK _____ does not come from Russia.

(a) imported
(b) imports
(c) importing
(d) import

Q76. Select the most appropriate antonym to substitute the (bracketed) word in the given sentence.

Given (sufficient) effort, all known infectious agents can be specifically identified.

(a) optimal
(b) trivial
(c) captivity
(d) unrefined

Q77. Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) They also show problem behaviours, like physical aggression and cheating.
(b) They were meant, she says, to be "a public display of your allegaince."
(c) This guide offers sugestions of capital interest to travelers.
(d) They fly around like nobody's buisness.

Q78. Select the most appropriate option to fill in the blank.

And to think after all these years you still have the _____ to say such things to me!

(a) arrogance
(b) fitness
(c) tangential
(d) brightness

Q79. Select the most appropriate meaning of the given idiom.

Go bananas

(a) To feel low
(b) To finish household chores
(c) To win a match
(d) To become excited or angry

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

A person who likes humankind and human society

(a) Philanthropist
(b) Lunatic
(c) Narcissist
(d) Mercenary

Q81. Select the most appropriate word for the given group of words.

Opposing or taking arms against a government or ruler.

(a) Participant
(b) Rubel
(c) Volunteer
(d) Rebel

Q82. 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.

(They have been) dejected when he arrived, but now they sparkle with enthusiasm.

(a) No correction required
(b) They had been
(c) They was

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(d) They were been

Q83. Identify the segment that contains a grammatical error. If there is no error, select 'No error'

Nothing great in the world/ have been accomplished/ without passion.

(a) have been accomplished
(b) Nothing great in the world
(c) No error
(d) without passion.

Q84. Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.

He hesitated, studying her face with a (confused) expression.

(a) assisted
(b) explicated
(c) calm
(d) puzzled

Q85. Four words are given, out of which three words are spelt correctly. Choose the incorrectly spelt word.

(a) RESISTANCE
(b) PRIVILEGE
(c) PERSISTENT
(d) ACQIUANT

Directions

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

Equality and freedom have both been identified as important (1)_____ of democracy since ancient times. These principles are reflected in all citizens being (2)___ before the law and having equal access to (3)_____ processes. For example, in a representative democracy, (4)___ vote has equal weight, no unreasonable restrictions can apply to anyone seeking to become a (5)_____, and the freedom of its citizens is secured by legitimized rights and liberties which are generally protected by a constitution.

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

(a) characteristics
(b) analytics
(c) statistics
(d) linguistics

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

(a) irregular
(b) equal
(c) unequal
(d) unfair

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

(a) relative
(b) legislative
(c) copulative
(d) perennial

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

(a) few
(b) every
(c) much
(d) all

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

(a) rulers
(b) peasants
(c) representative
(d) dictators

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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