SSC MTS (2022) Official Paper (Held On: 18 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 { 3/4 of 60 ÷ 9} × 0.02 is:

(a) 0.10
(b) 0.20
(c) 0.05
(d) 0.02

Q2. The sum of three numbers is 126. If the ratio of the first to third is 3 : 7 and that of second to third is 4 : 7, then what is the second number?

(a) 36
(b) 27
(c) 63
(d) 56

Q3. How many solid spherical balls each of 33 cm radius can be made out of a solid spherical ball of radius 66 cm?

(a) 8
(b) 4
(c) 7
(d) 3

Q4. The salaries of Kabir and Vicky are in the ratio 5 : 2. If the increments of 20% and 12% are allowed respectively in their salaries, then what will be new ratio of their salaries?

(a) 25 : 73
(b) 81 : 28
(c) 75 : 28
(d) 91 : 25

Q5. A truck travels 40 km in first hour and 50 km in second hour. What is the average speed of truck?

(a) 45 km/hr
(b) 40 km/hr
(c) 48 km/hr
(d) 50 km/hr

Q6. Meena complete a journey in 33 hours. She travels one -fourth distance of the journey at the speed of 60 km/hr and remaining distance at 40 km/hr. What is the total journey in km?

(a) 1220 km
(b) 480 km
(c) 1440 km
(d) 680 km

Q7. Two successive price increases of 15% and 40% of an article are equivalent to a single price increase of:

(a) 61%
(b) 52%
(c) 55%
(d) 60%

Q8. P. Q and R alone can complete a piece of work in 30 hours, 10 hours and 15 hours respectively. In how much time they will finish the work, if they worked together?

(a) 5 hours
(b) 4 hours
(c) 8 hours
(d) 10 hours

Q9. A sum becomes Rs. 14,400 in 3 years and Rs. 15,500 in 4 years at simple interest. Find the sum.

(a) Rs. 11,100
(b) Rs. 10,000
(c) Rs. 10,080
(d) Rs. 20,000

Q10. If the diagonal of a square is 18.4 cm, then the area of that square is:

(a) 84.64 cm^2
(b) 338.56 cm^2
(c) 324.42 cm^2
(d) 169.28 cm^2

Q11. The average age of P, Q and R is 19 years and that of P and Q is 20 years. R's present age is:

(a) 17 years
(b) 15 years
(c) 20 years
(d) 22 years

Q12. The table given below shows the income of two companies P and Q in seven years.

Years	[figure] P	[figure] Q
Y1	200	250
Y2	350	150
Y3	500	650
Y4	650	450
Y5	600	550
Y6	450	700
Y7	400	500

Which of the following statement is NOT correct?

I. The income of P in year Y1 is 20 percent less than the income of Q in the year Y1.

II. The ratio of total income of P to the total income of Q in all years are 63 : 64.

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

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Q13. Rohit buys an old bat for Rs. 1280 and spends Rs. 120 on its repairing. If he sells it for Rs. 1050, then what is the loss percentage?

(a) 40 percent
(b) 25 percent
(c) 20 percent
(d) 30 percent

Q14. What is the value of $2[1.5 \times 1.5 + 0.5 \times 0.5]$?

(a) 4.5
(b) 4
(c) 10
(d) 5

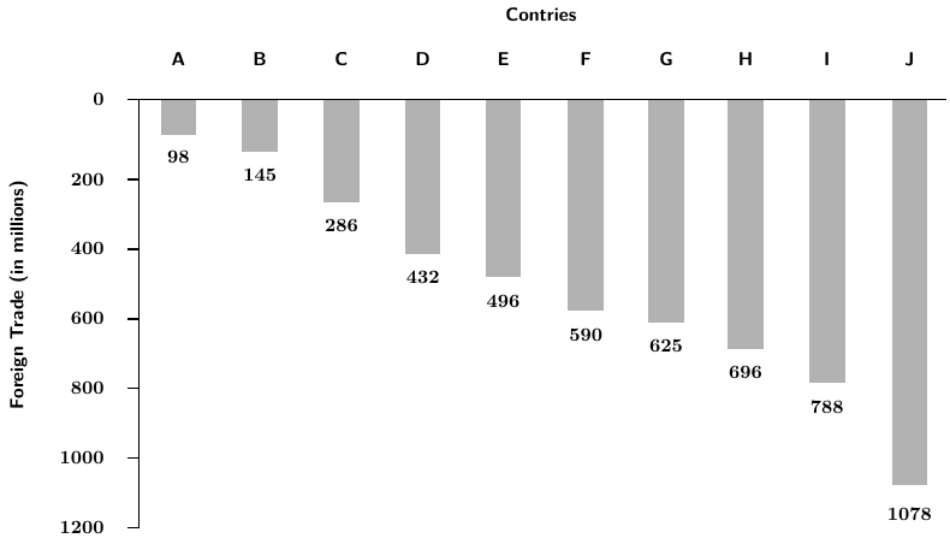
Q15. A refrigerator and a washing machine were sold for Rs. 24000 each. If the refrigerator was sold at a gain of 20% and the washing machine at a loss of 20%. What is the overall profit or loss percent in the whole transaction?

(a) 4% profit
(b) 5% profit
(c) 4% loss
(d) 5% loss

Q16. A alone can do 1/4 part of the work in 12 days. B alone can do 1/5 part of the work in 4 days. In how many days can A and B together can do the same work?

(a) 330/13 days
(b) 240/17 days
(c) 210/4 days
(d) 255/7 days

Q17. The below bar graph shows the Foreign trade by countries for the years 2015 - 2016. What was the ratio of minimum trade and maximum trade?



(a) 8 : 5
(b) 1 : 11
(c) 4 : 11
(d) 3 : 14

Q18. Applied to a bill for Rs. 10000 the difference between a discount of 20% and two successive discounts of 16% and 4% is:

(a) Rs. 19.36
(b) Rs. 64
(c) Rs. 72

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(d) Rs. 22.32

Q19. What is the HCF of 225 and 425?

(a) 5
(b) 17
(c) 25
(d) 9

Q20. What will be the compound interest on Rs. 21000 at the rate of 10% per annum for 6 months compounded half - yearly?

(a) Rs. 1680
(b) Rs. 1050
(c) Rs. 1850
(d) Rs. 1250

Q21. In the following question, select the missing number of the given series.

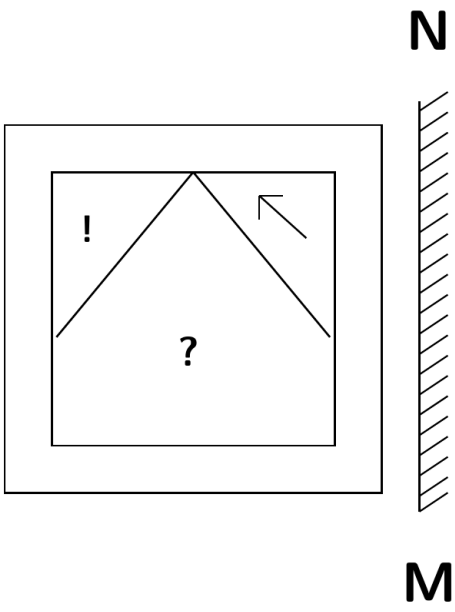
200, 174, 148, 122, 96,?

(a) 71
(b) 80
(c) 70
(d) 74

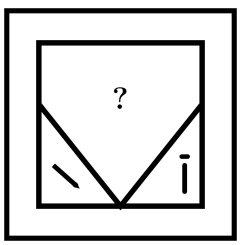
Q22. In a certain code language. 'COSTLY' is written as '3P19U12Z. How will 'EXTEND' be written in that language?

(a) 5Y20F14E
(b) 5Y20G14E
(c) 5Y30F14E
(d) 5X20F14E

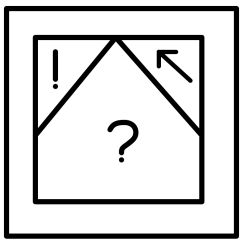
Q23. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.



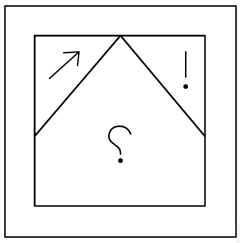
(a)



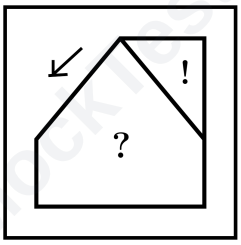
(b)



(c)



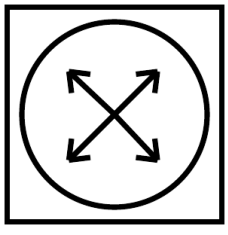
(d)



Q24. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

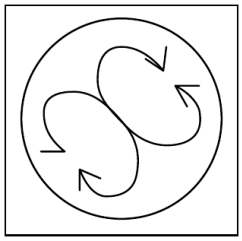


(a)

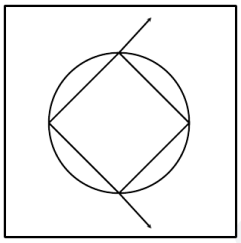


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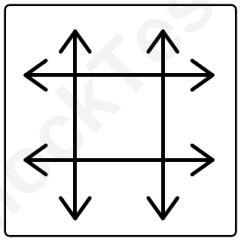
(b)



(c)



(d)



Q25. After interchanging the given two signs what will be the values of equation (I) and (II) respectively?

• and -

I. 18 ÷ 3 + 6 × 2 - 8

II. 15 × 3 - 45 ÷ 5 + 30

(a) 24 and 2
(b) 3 and 25
(c) 2 and 66
(d) 2 and 24

Q26. 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:

Some pens are black.

No black is blue.

Conclusions:

I. No pen is blue.

II. Some pens are not black.

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

Q27. 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:

Some nachos are patties.

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Some patties are pastries.

No pastry is a chocolate.

Conclusions:

I. No nacho is a chocolate.

II. Some nachos are pastries.

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

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

18 : 190 :: 20 : 210 :: 22 : ?

(a) 230
(b) 210
(c) 190
(d) 200

Q29. M, N, O, P, Q, and R are seated at a circular table facing each other. O is to the immediate left of R and N is second to the left of O. M is second to the left of Q. Who sits immediately between R and M?

(a) Q
(b) P
(c) O
(d) N

Q30. Which of the following numbers will replace the question mark (?) in the given series?

46, 50, 58, 70, 86, 106, ?

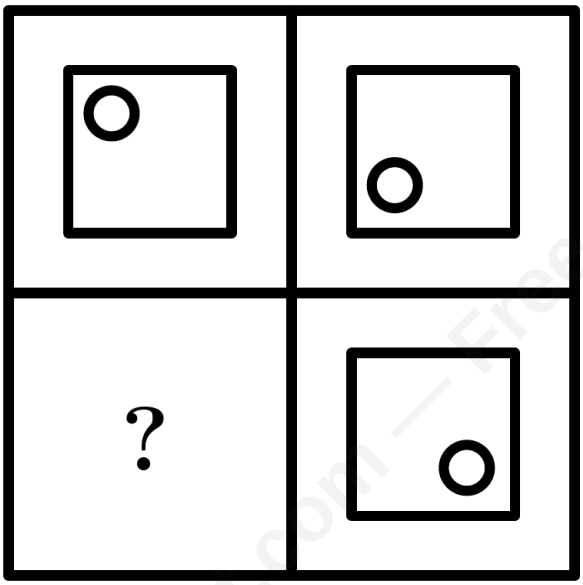
(a) 280
(b) 130
(c) 150
(d) 140

Q31. Seven students M, N, O, P, Q, R and S are standing in ascending order of their heights during morning assembly. The shortest person stands at the front of the assembly line and the tallest person stands at the back of the line. M stands immediately behind Q and immediately in front of P. Only two students are standing in between R and S. N is taller than only one student. R is not the shortest. Who is the tallest student?

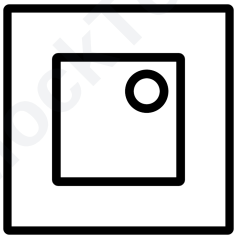
(a) R
(b) O
(c) M
(d) P

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

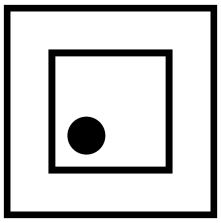
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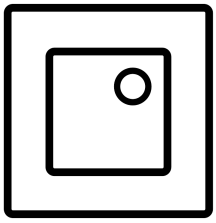
(a)



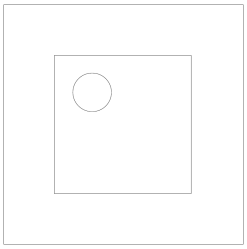
(b)



(c)



(d)



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Q33. Which of the following letter will replace the question mark (?) in the given series?

E, J, O, T, Y, D, ?

(a) I
(b) R
(c) O
(d) M

Q34. Select the option that is related to the third word in the same way as the second word is related to the first word.

Hyderabad : Telangana :: Gangtok : ?

(a) Uttarakhand
(b) Sikkim
(c) Kerala
(d) Goa

Q35. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row - 11, 19, 27

Second row - 17, 25, 33

Third row - 23, 31, ?

(a) 39
(b) 14
(c) 33
(d) 40

Q36. Five men Ankit, Bishal, Chandler, Daksh and Joey are sitting at a horizontal table facing north. Ankit is to the immediate left of Daksh who is not at the corner. Joey is exactly in between Bishal and Chandler. Who is sitting at the leftmost end?

(a) Bishal
(b) Chandler
(c) Ankit
(d) Joey

Q37. In a certain code language, 'RIVER' is written as 'SJWFS' and 'BROWN' is written as 'CSPXO''. How will PRESS' be written in that language?

(a) GSFRR
(b) QSFTT
(c) QSFUU
(d) QSGTT

Q38. Select the option that is related to the third word in the same way as the second word is related to the first word.

Hydrogen : Element :: Carbon Dioxide : ?

(a) Compound
(b) Liquid
(c) Organ
(d) Fruit

Q39. In a certain code language, 'UKSH' is written as '8TL21'. How will 'GAIN' be written in that language?

(a) 15JB7
(b) 14JB7
(c) 14JB8
(d) 14J7B

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Q40. Which two numbers should be interchanged to make the given equation correct?

12 ÷ 72 × 3 - 13 = 5

(a) 13 and 5
(b) 13 and 3
(c) 12 and 3
(d) 12 and 72

SESSION 2

Q41. With reference to the MGNREGA scheme, how many days of guaranteed wage employment is provided to rural unskilled labour?

(a) 100
(b) 150
(c) 120
(d) 90

Q42. In 1600, the East India company acquired a charter from _____.

(a) Queen Elizabeth I
(b) King Edward VI
(c) King Henry IV
(d) Queen Victoria

Q43. The Council of States shall consist of _____ members to be nominated by the President.

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

Q44. Plant cell has a big central ____ unlike a number of small_____ in animal cells.

(a) Vacuole, vacuoles
(b) Cell wall, cell walls
(c) Tissue, tissues
(d) Cell membrane, cell membranes

Q45. Among the following, which of these are an example of capital receipt?

(a) Rent and commission received
(b) Sale of goods and rent
(c) Commission and dividend received
(d) Borrowings and loan recovery

Q46. Which kathak dancer was awarded with Padma Shri and Sangeet Natak Akademi Award?

(a) Hema Malini
(b) Sitara Devi
(c) Kaushalya Reddy
(d) Sridevi

Q47. "Playing It My Way" is an autobiography of _____.

(a) MS Dhoni
(b) Rahul Dravid
(c) Sachin Tendulkar
(d) Yuvraj Singh

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Q48. According to Census 2011, which among the following has the minimum population density?

(a) Chandigarh
(b) Andhra Pradesh
(c) Arunachal Pradesh
(d) Sikkim

Q49. India is set to surpass _____ to become the world's most populous country by 2023, says a report by the United Nations.

(a) United States of America
(b) Indonesia
(c) Pakistan
(d) China

Q50. A temporary alliance of groups or parties is called a _____.

(a) Veto
(b) Coalition
(c) Constituency
(d) Federalism

Q51. Which of the following Indian singers has won a Grammy award?

(a) Kumar Sanu
(b) Arijit Singh
(c) Mohammed Rafi
(d) A R Rahman

Q52. Annie Besant laid the foundation of the Central Hindu College in _____ in 1898 where both Hindu religion and Western scientific subjects were taught.

(a) Pune
(b) Chennai
(c) Benaras
(d) Kolkata

Q53. Article 356 and 360 in the Indian constitution are the articles based on _____.

(a) regional languages
(b) amendment of the constitution
(c) emergency provisions
(d) elections

Q54. Sachin Tendulkar received the "Bharat Ratna Award" in which year?

(a) 2012
(b) 2011
(c) 2013
(d) 2014

Q55. Sultan Muhammad Ghori defeated Prithviraja III in _____.

(a) 1191
(b) 1211
(c) 1192
(d) 1195

Q56. How many white squares are there on a chessboard?

(a) 64
(b) 204
(c) 22
(d) 32

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Q57. Which vitamin is soluble in water?

(a) Vitamin - D
(b) Vitamin - E
(c) Vitamin - A
(d) Vitamin - C

Q58. The breaking up of the rocks on the earth's surface is called as _____.

(a) weathering
(b) stacking
(c) meandering
(d) sorting

Q59. The Elephanta Caves are located in which state?

(a) Gujarat
(b) Rajasthan
(c) Maharashtra
(d) Karnataka

Q60. Kuchipudi is a classical dance of which state?

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

Q61. The Himalayan Mountain range was formed by the collision of _____.

(a) African Plate and Australian Plate
(b) Indian Plate and African Plate
(c) Eurasian Plate and African Plate
(d) Indian Plate and Eurasian Plate

Q62. The basic unit of speed of an object is _____.

(a) metre per km (m/km)
(b) metre per hour (m/h)
(c) metre per second (m/s)
(d) metre per minute (m/m)

Q63. Kicheri is a harvest festival and involves ritual bathing, celebrated majorly in _____.

(a) Madhya Pradesh
(b) Haryana
(c) Uttar Pradesh
(d) Gujarat

Q64. In which of the following methods of irrigation, the water falls drop by drop directly near the roots?

(a) Manual irrigation
(b) Sprinkler system
(c) Lateral move irrigation
(d) Drip system

Q65. Who among the following was defeated in the Battle of Kannauj in 1540?

(a) Humayun
(b) Akbar
(c) Hemu
(d) Sher Shah

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

The victim was _____ in the back of his head.

(a) shot
(b) shooting
(c) shoot
(d) shooted

Q67. Select the most appropriate option to fill in the blank.

Although she has used the typewriter since she was eleven years old, she is rather _____ than rapid.

(a) hasty
(b) careful
(c) energetic
(d) heedless

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"

(I wouldn't date him if I was you), he doesn't seem like a good person.

(a) I wouldn't has dated him if I were you,
(b) I will not date him if I were you, not
(c) No substitution required
(d) I wouldn't have dated him if I were you,

Q69. Select the appropriate synonym for the underlined word.

They have no reason to trust you.

(a) condemn
(b) dispute
(c) doubt
(d) believe

Q70. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

There has been a spate of some unfortunately events in Madurai.

(a) unfortunate events
(b) unfortunately event
(c) No improvement
(d) unfortunate some events

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

Get the ball rolling

(a) Get everyone's vote
(b) Behave in a crazy manner
(c) Collect one's belongings
(d) Set an activity in motion

Q72. Select the wrongly spelt word.

(a) Contradictory
(b) Disgsting
(c) Enclosed
(d) Sizeable

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Q73. Choose the word that can substitute the given group of words.

A circular house made of blocks of hard snow

(a) Igloo
(b) Nest
(c) Hutch
(d) Hut

Q74. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

All of the farmers I interviewed shared three things on common.

(a) All of the farmers I
(b) interviewed shared three
(c) No error
(d) things on common.

Q75. Choose the incorrectly spelt word.

(a) Common
(b) Friying
(c) Hazard
(d) Addition

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

Without vision, the process of conceptualisation can become _____ task for any individual.

(a) a gregarious
(b) an onerous
(c) a contrarious
(d) a lively

Q77. Fill in the blank with the most appropriate option.

Earlier I'd thought that it was for my sake, but then I learnt _____ Arjun the power to resist her.

(a) what has gave
(b) what gives
(c) what give
(d) what gave

Q78. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

You will get a discount on this products, if you buy one more outfit.

(a) No error
(b) on this products, if
(c) You will get a discount
(d) you buy one more outfit.

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

A man who is womanish in his habits

(a) Fastidious
(b) Henpecked
(c) Stoic
(d) Effeminate

Q80. Select the most appropriate synonym to substitute the bracketed word in the given sentence.

They have also tested fully (autonomous) landings and semi - autonomous take - offs for the gas - powered rotorcraft.

(a) Occlude
(b) Obstruct
(c) Unanimous

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(d) Independent

Q81. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Your parcel should arrived at three days.

(a) arrive in three
(b) arrive in third
(c) No improvement
(d) arrive in the third

Q82. Select the most appropriate antonym of the given word.

Administer

(a) Steady
(b) Forego
(c) Entertaining
(d) Pictural

Q83. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To go a long way

(a) To become successful in life
(b) To join a foreign company
(c) To avoid short cuts
(d) To go on a long drive

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

Do not be put of by the/mathematical equation, because/this is really not very complicated.

(a) Do not be put of by the
(b) this is really not very complicated.
(c) mathematical equation, because
(d) No error

Q85. Select the appropriate antonym for the underlined word.

Sam was looking gloomy, and downcast, and Meg in tears.

(a) plain
(b) sullen
(c) morose
(d) buoyant

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.

It was this (1) ____ that made John so particularly unusual, even for a wizard. This scar was (2) __ hint of John's very mysterious past, of the reason (3) __ the Samuel's doorstep eleven years (4) __ At the age of one, John (5) ____ a curse from the greatest Dark sorcerer of all time.

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

(a) blister
(b) scar
(c) scab
(d) defect

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

(a) the only
(b) that only
(c) the alone
(d) that individual

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

(a) he had been left on
(b) he had been left up
(c) he have been left on
(d) he was been left in

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

(a) ago
(b) prior
(c) before
(d) sooner

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

(a) has had someway survived
(b) had somehow existed through
(c) have somehow survived
(d) had somehow survived

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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