SSC MTS (2022) Official Paper (Held On: 19 Jun, 2023 Shift 1) (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

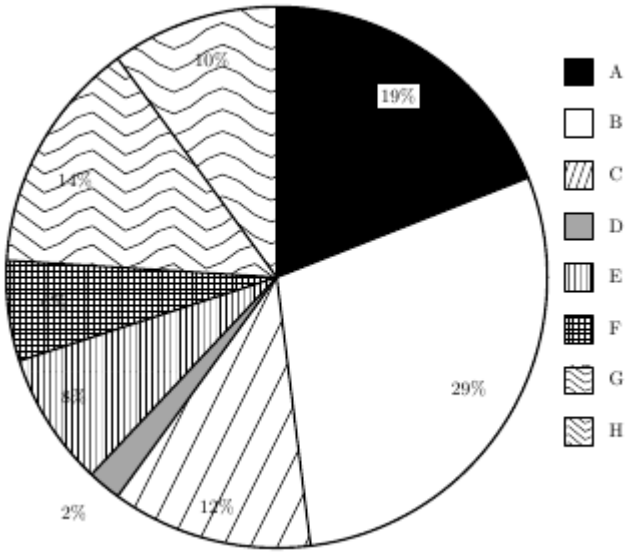
Q1. The length, breadth and height of a cuboid are 4 cm, 6 cm and 10 cm respectively. Find the total surface area.

(a) 222 cm²
(b) 244 cm²
(c) 248 cm²
(d) 144 cm²

Q2. What is the value of 1/7 × 1/8 ÷ 72/51 of (1/9+1/8)+(63/56 × 48/72) ?

(a) 21/56
(b) 19/56
(c) 15/56
(d) 45/56

Q3. The pie chart given below shows the number of boys in 8 schools. The total number of boys in all these 8 schools is 10000. Number of boys in a particular school is shown as a percent of total number of boys in all these 8 schools.



What is the ratio of central angle formed by sector C, D and F together to the central angle formed by sector A, G and H together?

(a) 44 : 21
(b) 19 : 44
(c) 17 : 39
(d) 20 : 43

Q4. The table given below shows the marked price and selling price of 6 articles.

Articles	Marked price	Selling price
A	750	650
B	600	450
C	650	500
D	450	400
E	850	650
F	350	300

Discount Percentage = [(Marked price − Selling price)/Marked price] × 100

Which of the following sequence is correct of discount percentage?

(a) B > E > C > F > D > A
(b) B > E > C > F > A > D
(c) D > A > F > C > E > B
(d) E > C > B > F > A > D

Q5. A = Rs. 6000 is invested at simple interest for 5 years and annual rate of interest is 15 percent.
B = Rs. 5000 is invested at simple interest for 2 years and annual rate of interest is 20 percent.
What is the ratio of interests earned in A and B respectively?

(a) 9 : 4
(b) 16 : 5
(c) 18 : 11
(d) 19 : 12

Q6. What is the value of (43 × 2-21 of 4)/(28-7 of 5+9) ?

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

Q7. If (P/2) = (Q/5) = (R/6), then what is the value of $P^2 : (P + Q)^2 : (Q + R)^2$

(a) 10 : 56 : 169
(b) 16 : 10 : 125
(c) 4 : 49 : 121
(d) 9 : 64 : 144

Q8. 40 men can construct a building in 100 days. How long will it take 80 men to do this work?

(a) 80 days
(b) 60 days
(c) 40 days
(d) 50 days

Q9. What will be the area of a rectangular field of length 45 cm and breadth 32 cm?

(a) 1340 cm2
(b) 1440 cm2
(c) 1120 cm2
(d) 1450 cm2

Q10. The Least Common Multiple of thee different numbers is 40. Which of the following cannot be their Highest Common Factor?

(a) 10
(b) 20

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(c) 25
(d) 5

Q11. The average of marks obtained by S1 and S2 is 30 more than the average marks obtained by S2 and S3. If the marks obtained by S3 is 50, then what are the marks obtained by S1?
(a) 80
(b) 105
(c) 95
(d) 110

Q12. Cost price of an article is Rs. 2650. If the loss percentage is 16 percent, then what is the selling price of the article?
(a) Rs. 2448
(b) Rs. 2316
(c) Rs. 2226
(d) Rs. 2048

Q13. Three partners P, Q and R share profit such that 4 times of the P's share is equal to 5 times of the Q's share and equal to 8 times of the R's share. What is the ratio of the profits of P, Q and R respectively?
(a) 15 : 9 : 8
(b) 14 : 7 : 9
(c) 10 : 8 : 5
(d) 12 : 8 : 7

Q14. An item is sold at two successive discounts of 20 percent and 20 percent. The selling price of article after second discount is Rs. 3616. If it is sold only at one discount of 20 percent, then what will be the selling price of the article?
(a) Rs. 5200
(b) Rs. 3960
(c) Rs. 4520
(d) Rs. 4080

Q15. A certain sum of money becomes triple of itself in 8 years at simple interest. In how many years it will becomes five times of itself?
(a) 10 years
(b) 7 years
(c) 16 years
(d) 12 years

Q16. Two boats are travelling at the speed of 36 km/hr and 54 km/hr respectively towards each other. What will be the distance between the two boats one second before they collide?
(a) 25 metres
(b) 35 metres
(c) 40 metres
(d) 15 metres

Q17. Shreyas can complete 4/5 part of a work in 16 days. Ruchi is 2.5 times as efficient as Shreyas. In how many days will Ruchi alone complete the same work?
(a) 8 days
(b) 9 days
(c) 12.5 days
(d) 10 days

Q18. A is 5 times of B. B is how much percentage less than A?
(a) 60 percent
(b) 80 percent
(c) 52.5 percent
(d) 83.33 percent

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Q19. A trader buys two articles for Rs. 4000 each article. If he earns a profit of 10 percent on one and losses 30 percent on the other, then what will be his overall loss percentage?

(a) 10 percent
(b) 20 percent
(c) 15 percent
(d) 5 percent

Q20. The average of the set of scores 512, 528, 556, 584 and 615 is:

(a) 530
(b) 586
(c) 600
(d) 559

Q21. In a certain code language, 'BONUS' is written as '215142119. How will 'FANCY' be written in that language?

(a) 6113425
(b) 6114352
(c) 6114325
(d) 6113452

Q22. In a certain code language, 'HOME' is written as 'MOHE'. How will 'CALM' be written in that language?

(a) LAMC
(b) MACL
(c) LBCM
(d) LACM

Q23. 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 trees are flowers.

All flowers are petals.

Some petals are leaves.

Conclusions:

I. All trees are petals

II. Some petals are flowers.

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

Q24. Select the option that is related to the third word in the same way as the second word is related to the first word.

Canada : Ottawa :: Italy : ?

(a) Paris
(b) Rome
(c) London
(d) Wellington

Q25. In a certain code language, 'BHAKTI' is coded as 'GSIZFA'. What is the code for 'BIKCER' in that code language?

(a) QDAJHA
(b) PDAJGA
(c) QDAJGA
(d) PDAJFA

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Q26. Seven friends H, J, K, L, M, N, and O are sitting around a circular table facing the centre H is sitting to the immediate right of L. N is sitting exactly between J and K. M sits to the immediate left of O. N sits second to the left of M. Who sits to the immediate right of O?

(a) J
(b) L
(c) H
(d) N

Q27. 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 notebooks are pencils.

Some pens are notebooks.

Conclusions:

I. All pens are pencils.

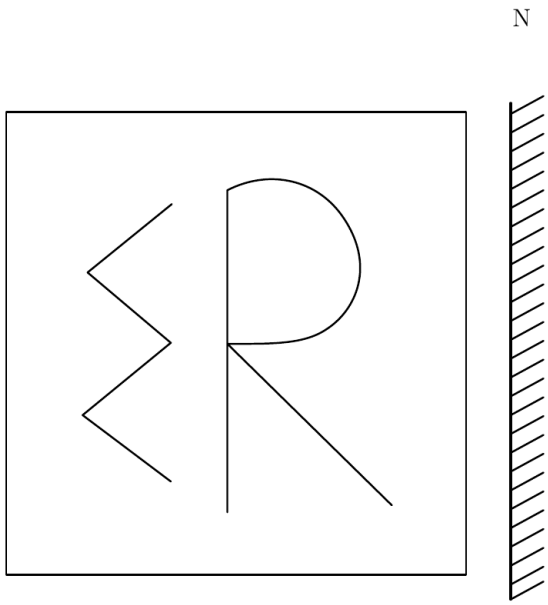
II. Some pencils are pens.

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

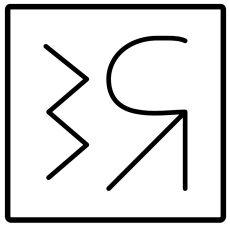
Q28. Seven players Virat, Rahul, Rohit, Surya, Hardik, Rishabh and Deepak are sitting around a circular table facing towards the centre (not necessarily in the same order). Rohit is second to the left of Virat. Virat is fourth to the right of Deepak: Hardik is to immediate left of Deepak. Surya is not the immediate neighbour of Rohit. Rishabh is second to the right of Hardik. Who is fourth to the right of Hardik?

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

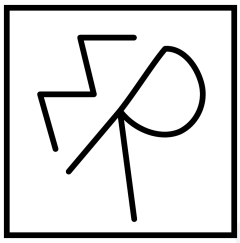
Q29. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.



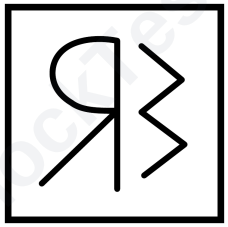
(a)



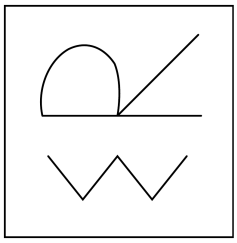
(b)



(c)



(d)



Q30. 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 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)

(2, 3, 5)

(5, 7, 11)

(a) (4, 6, 7)
(b) (5, 10, 11)
(c) (11, 13, 17)
(d) (12, 15, 18)

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

PB, RZ, TX, VV, ?

(a) XT
(b) YU
(c) KU
(d) YT

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Q32. By Interchanging the given two numbers which of the following equation will be correct?

8 and 4

(a) 4 + 8 × 2 − 3 = 20
(b) 8 − 4 + 6 = 9
(c) 4 + 3 × 8 − 2 = 21
(d) 4 ÷ 2 + 8 × 3 = 16

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

72, 78, 89, 95, 106, 112, 123, ?

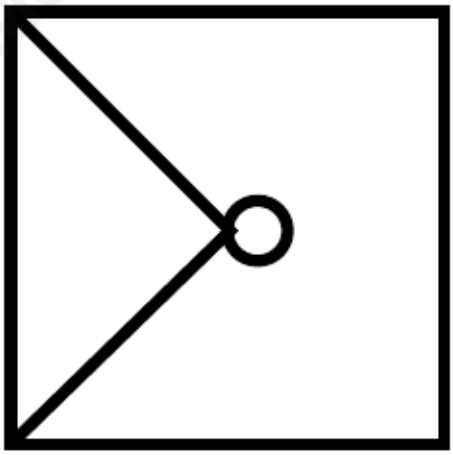
(a) 200
(b) 129
(c) 85
(d) 140

Q34. Which of the following numbers will replace the question mark (?) in the given series?

3, 7, 15, 31, 63, 127, 255, ?

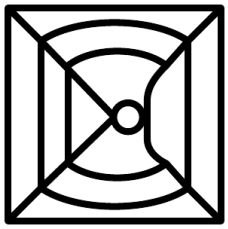
(a) 520
(b) 510
(c) 511
(d) 560

Q35. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



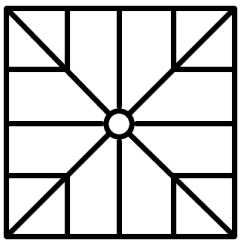
(X)

(a)

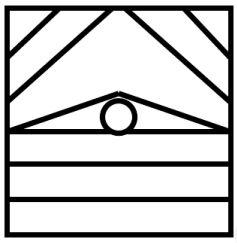


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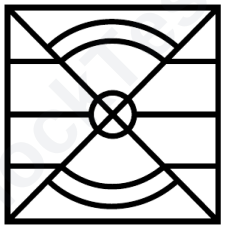
(b)



(c)



(d)



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.

64 : 512 :: 81 : ?

(a) 730
(b) 727
(c) 729
(d) 728

Q37. Select the option that is related to the third word in the same way as the second word is related to the first word.

Resistance : Ohm :: Energy : ?

(a) Joule
(b) Mho
(c) Mole
(d) Ampere

Q38. Amongst seven girls I, II, III, IV, V, VI and VII, each has a different age, VI is elder than only III. II is younger than only VII. IV is older than four other girls. I is younger than V. Who is the fourth eldest among the girls?

(a) V
(b) IV
(c) VI
(d) III

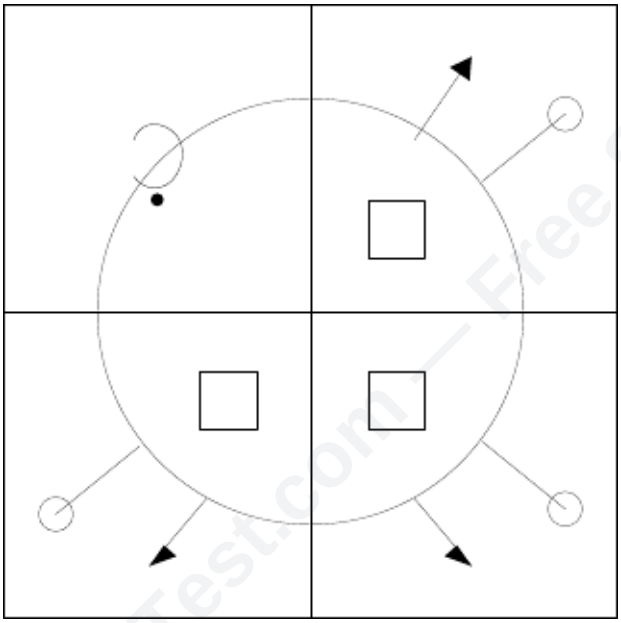
Q39. Which two numbers should be interchanged to make the given equation correct?

7 − 5 + 4 × 2 = 25

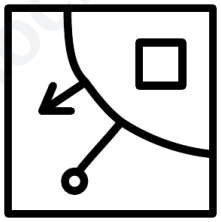
(a) 25 and 7
(b) 4 and 2
(c) 5 and 2
(d) 7 and 5

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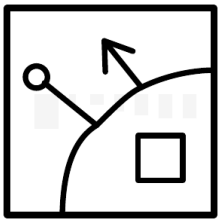
Q40. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)



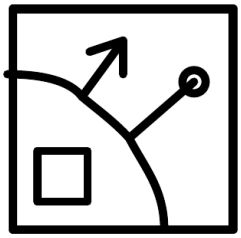
(a)



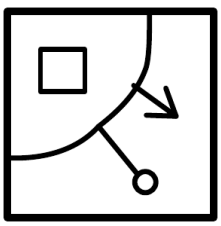
(b)



(c)



(d)



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SESSION 2

Q41. How many types of revenue receipts exist in the economy?

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

Q42. Which of the following tribe belongs to Indo-European Linguistic family?

(a) Korwa
(b) Bhili
(c) Gondi
(d) Garo

Q43. The Muslim Women (Protection of Rights on Marriage) Act, 2019 declares the instant divorce granted by pronouncement of talaq three times as void and illegal. It provides for imprisonment for a term up to _____ and fine to the husband who practiced instant Triple Talaq.

(a) 2 years
(b) 4 years
(c) 3 years
(d) 5 years

Q44. The last Mughal Emperor who was sent to Jail in Rangoon was _____.

(a) Alamgir II
(b) Shah Alam II
(c) Akbar shah II
(d) Bahadur Shah Zafar

Q45. Which part of the Indian constitution talks about the Union Territories?

(a) Part X
(b) Part VIII
(c) Part XI
(d) Part VI

Q46. FIFA World Cup is associated with _____ sport.

(a) Rugby
(b) Fencing
(c) Hockey
(d) Football

Q47. The terms Kumi-Kata, Shintai, Ukemi are associated with which sports?

(a) Judo
(b) Fencing
(c) Wrestling
(d) Polo

Q48. Which of the following is celebrated as birth anniversary of Gautama Buddha?

(a) Maha Shivaratri
(b) Vesak
(c) Holika Dahan
(d) Pongal

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Q49. Which among the following dance forms of India is associated with Odisha?

(a) Kathak
(b) Ghumar
(c) Chhau
(d) Bhangra

Q50. According to the 2011 census, the sex ratio for India's population is _____.

(a) 943
(b) 966
(c) 867
(d) 984

Q51. Islamic style of architecture is also known as _____ style.

(a) Mehrab
(b) Yashmak
(c) Hegira
(d) Alim

Q52. All human beings have _____ pairs of chromosomes in the nuclei of their cells.

(a) 41
(b) 11
(c) 33
(d) 23

Q53. Which of the following vitamins helps our body to use calcium for bones and teeth?

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

Q54. Minal wrote an essay on the largest moon of Saturn. Which among the following moons is it?

(a) Europa
(b) Titan
(c) Atlas
(d) Carme

Q55. Who administers the Union Territories of India?

(a) President
(b) Prime Minister
(c) Member of Legislative Assembly
(d) Chief Minister

Q56. 'Romancing with Life' is an autobiography of the evergreen star _____.

(a) Kishore Kumar
(b) Shashi Kapoor
(c) Dev Anand
(d) Dilip Kumar

Q57. When was the Battle of Talikota fought?

(a) 1542
(b) 1565
(c) 1556
(d) 1576

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Q58. Mahatma Gandhi called off the Non-cooperation Movement in February 1922 after which incident?

(a) Chauri Chaura Incident
(b) Bomb Blast in central assembly
(c) Kakori train robbery
(d) Jallianwala Bagh Massacre

Q59. Which famous ruler was known as the "Second Ashoka"?

(a) Kanishka
(b) Chandragupta II
(c) Milinda
(d) Rudradaman I

Q60. Which among the following is a noble chemical element of science periodic table?

(a) Nitrogen
(b) Helium
(c) Cobalt
(d) Scandium

Q61. Which among the following is a tributary of river Narmada?

(a) Betwa
(b) Koyna
(c) Ken
(d) Tawa

Q62. Which among the following memoir is based on ex-Prime Minister Dr Manmohan Singh?

(a) The Change We Choose
(b) A Prime Minister to Remember
(c) The Accidental Prime Minister
(d) The Prime Minister

Q63. Which of the following is NOT an example of Mass Media?

(a) Newspapers
(b) Door to door campaign
(c) Television
(d) Radio

Q64. Which layer of the soil has maximum concentration of humus?

(a) Weathered rock material
(b) Top soil
(c) Parent rock
(d) Sub soil

Q65. The Union Minister of Petroleum and Natural Gas, Hardeep Singh Puri, in October 2022 inaugurated Asia's largest Compressed Bio Gas (CBG) plant in _____.

(a) Punjab
(b) Chandigarh
(c) Delhi
(d) Rajasthan

Q66. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

There is not one/that have not/ been duplicated.

(a) There is not one
(b) No error
(c) been duplicated.
(d) that have not

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Q67. Choose the word that can substitute the given group of words.

A person, who travels in a spacecraft

(a) Astronaut
(b) Cadet
(c) Ghetto
(d) Voyeur

Q68. Choose the sentence with no spelling error.

(a) Price is the monetery vallue placed on a product.
(b) Price is the monitary value placed on a product.
(c) Price is the monetary value placed on a product.
(d) Price is the monetary value plased on a product.

Q69. Fill in the blank with the most appropriate choice.

His students from his time at Manchester University remember his lectures as extraordinarily _____.

(a) ballistic
(b) flaccid
(c) rancid
(d) lucid

Q70. Select the most appropriate word for the given group of words.

A group of ants

(a) Bushel
(b) Pack
(c) Colony
(d) Comb

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

If you want to have two cats, a male and a female will usually gotten along.

(a) will usual get
(b) will usually get
(c) will usually got
(d) No improvement

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

A long hoped-for revival in private investment has not take place.

(a) not take place.
(b) No error
(c) in private investment has
(d) A long hoped-for revival

Q73. Fill in the blank with the most appropriate option.

Be present _____ the moment.

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

Q74. Select the appropriate synonym for the underlined word.

The symbols were useless to him.

(a) worthless
(b) successful
(c) valuable

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(d) reachable

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

Still, this is a Frank Black album, with its _____ references and abstruse lyrics.

(a) informal
(b) apparent
(c) obscure
(d) intelligent

Q76. Select the most appropriate meaning of the given idiom.

Hit the hay

(a) To take revenge
(b) To go to bed
(c) To buy or sell something
(d) A sarcastic response

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

In the summer, the bear eaten a lot of berries.

(a) have ate a lot
(b) No improvement
(c) eat a lot
(d) eats a lot

Q78. Select the correctly spelt word.

(a) Plagiarism
(b) Plagiarsm
(c) Plageriasm
(d) Plagerism

Q79. Select the most appropriate option to fill in the blank.

The event, promised to be a grand show, will see a display of grit, _____ and mettle.

(a) zenith
(b) umbrage
(c) zeal
(d) tyro

Q80. Select the appropriate synonym for the underlined word.

She couldn't really be irritated with him.

(a) obliged
(b) delighted
(c) pleased
(d) annoyed

Q81. Select the most appropriate antonym of the given word.

Complicate

(a) Dominate
(b) Healthy
(c) Multiply
(d) Enlighten

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Q82. Select the most appropriate meaning of the bracketed idiom in the given sentence.

He bought (a baker's dozen) of biscuits.

(a) Fifteen
(b) Ten
(c) Thirteen
(d) Twelve

Q83. 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'.

(Hardly had I started mowing the lawn that) it started raining.

(a) No sooner did I started mowing the lawn than
(b) No substitution required
(c) Hardly had I started mowing the lawn when
(d) Hardly did I start mowing the lawn than

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

These include the nature/ documentaries, including/ The Blue Planet and The Planet Earth.

(a) No error
(b) The Blue Planet and the Planet Earth.
(c) documentaries, including
(d) These include the nature

Q85. Select the appropriate antonym for the underlined word.

Our children need vital lessons in wealth management.

(a) healthy
(b) organic
(c) superfluous
(d) clever

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.

Each went his way, the prince to (1) _____ the ways of the court, the brahmin to (2) _____ with Parasuram, the renowned scholars-warrior. He mastered (3) _____, married a virtuous woman, and (4) _____ a beautiful son. (5) _____ poor, he was proud of his learning.

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

(a) receive
(b) cram
(c) absorb
(d) learn

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

(a) study further
(b) study across
(c) study former
(d) study another

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

(a) the attitude of war
(b) the arts of war
(c) the art even craft of war
(d) the supplies of war

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

(a) given
(b) had
(c) has
(d) have

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

(a) Though
(b) So
(c) Because
(d) Even

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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