SSC MTS (2022) Official Paper (Held On: 18 May, 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 longest side of the obtuse triangle is 7 cm and the other two sides of the triangle are 4 cm and 5 cm. Find the area of the triangle.

(a) 1√3 cm²
(b) 6√3 cm²
(c) 3√2 cm²
(d) 4√6 cm²

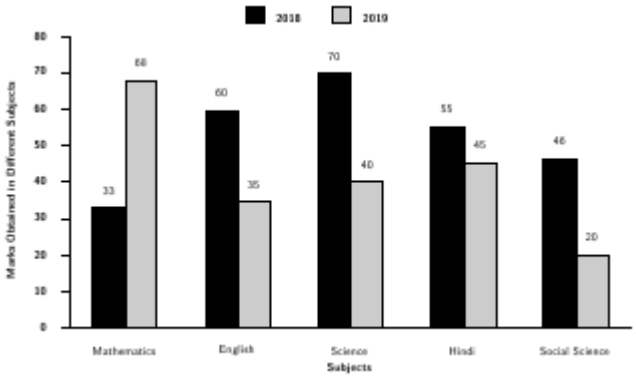
Q2. What is the value of 2[3.5 × 3.5 + 2.5 × 2.5] ?

(a) 39
(b) 37
(c) 38
(d) 36

Q3. What is the third proportion of the numbers 15 and 30?

(a) 45
(b) 50
(c) 40
(d) 60

Q4. The following bar graph shows the marks of a student from 5 different subjects in 2018 and 2019. Find the ratio of total marks of 2018 to the total marks of 2019.



(a) 66 : 23
(b) 80 : 3
(c) 44 : 15
(d) 33 : 26

Q5. X alone can finish a work in 18 days, Y alone can finish the same work in 9 days. If X, Y and Z together can finish the same work in 4 days, then in how many days Z alone can finish the work?

(a) 12 days
(b) 10 days
(c) 14 days
(d) 16 days

Q6. The value of 14 + [100 ÷ {60 ÷ (18 ÷ 6)}] of 400 is :

(a) 2020
(b) 2014
(c) 2015
(d) 2000

Q7. A purchased two articles for Rs 400 and Rs 600 respectively and sold at gains of 10% and 20% respectively. What was his overall gain percentage?

(a) 16%
(b) 20%
(c) 18%
(d) 15%

Q8. In a field 8 workers complete a task in 22 days. If this task is to be completed in 44 days, then how many workers will be required?

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

Q9. The product of LCM and HCF of two number is 2028. If one number is 78, then what is the other number?

(a) 13
(b) 52
(c) 26
(d) 39

Q10. A sum of Rs. 7500 amounts to Rs. 15000 in two years at compound interest calculated annually. How much will Rs. 7500 becomes in four years?

(a) Rs. 60000
(b) Rs. 30000
(c) Rs. 50000
(d) Rs. 45000

Q11. An article was sold at a loss of 14%. If it was sold for Rs. 756 more, then there would have been a gain of 7%. Find the cost price of the article.

(a) Rs. 3600
(b) Rs. 2300
(c) Rs. 5000
(d) Rs. 3000

Q12. 2 cubes each of volumes 125 cm^3 are joined end to end. The surface area of the resulting cuboid is:

(a) 325 cm^2
(b) 350 cm^2
(c) 125 cm^2
(d) 250 cm^2

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Q13. An auto rickshaw travels 20 km from point P to Q then 25 km from Q to R. The total time took was 1 hour 30 minutes. What was the average speed of the auto rickshaw?

(a) 15 km/hr
(b) 30 km/hr
(c) 45 km/hr
(d) 60 km/hr

Q14. If the salary of A is 60% less than that of B, then by how much percent is the salary of B more than that of A?

(a) 60%
(b) 40%
(c) 150%
(d) 120%

Q15. A sum of Rs. 11064 gives an interest of Rs. 2766 in x years at 5% per annum simple interest. What will be the value of x?

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

Q16. If the cost price of a refrigerator is Rs. 17200 and the loss percentage is 8%, then what is the selling price (in Rs.) of the refrigerator?

(a) Rs. 15824
(b) Rs. 14564
(c) Rs. 14444
(d) Rs. 15500

Q17. The table given below shows the production of television and fridge by different companies.

Companies	Television	Fridge
P	80	100
Q	70	50
R	60	40
S	50	70
T	90	55

Which of the following statement is NOT correct?

I. The difference between average production of television and fridge by R and the average production of television and fridge by S are 10.

II. The production of television and fridge by P is 20 percent of the production of television by T.

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

Q18. The speed of a bus is 108 km/hr. Find the distance covered by the bus in 2 seconds.

(a) 16 m
(b) 30 m
(c) 20 m
(d) 60 m

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Q19. Three numbers are in the ratio 4 : 5 : 7. The sum of the smallest and largest numbers is 44. What is the second smallest number?

(a) 28
(b) 32
(c) 20
(d) 24

Q20. A student scored 77, 80, 88, 73 and 62 marks out of 100 in five subjects. What are his average marks?

(a) 74
(b) 76
(c) 75
(d) 78

Q21. Which of the following letter cluster will replace the question mark (?) in the given series?

ND, KA, HX, EU, ?

(a) AR
(b) BS
(c) BT
(d) BR

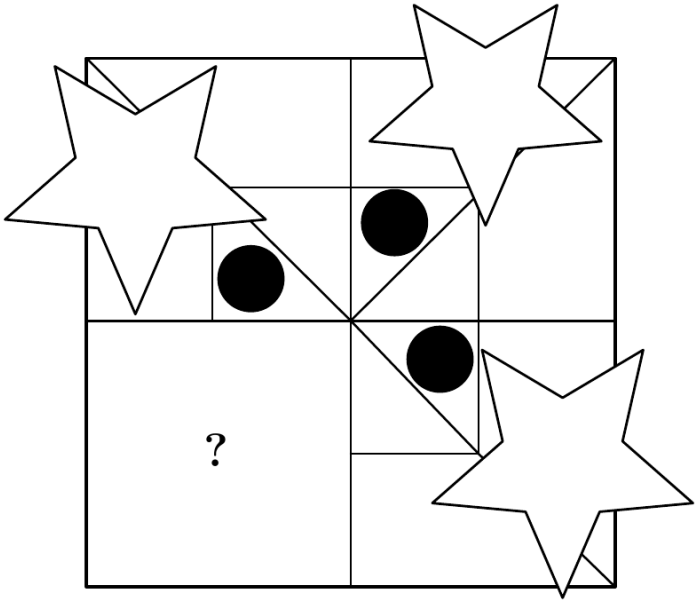
Q22. Five girls Anita, Babita, Chamma, Dania and Erica are of different ages, Anita is younger than only Daina and Erica. Erica is younger to Daina. Chamma is youngest. Who is the fourth oldest?

(a) Daina
(b) Erica
(c) Chamma
(d) Babita

Q23. In a certain code language, 'NATURE' is written as 'MASUQE'. How will 'POTATO' be written in that language?

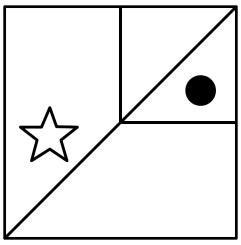
(a) OOSASO
(b) OPSAOS
(c) OSPAOS
(d) OSSASO

Q24. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

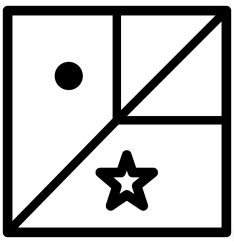


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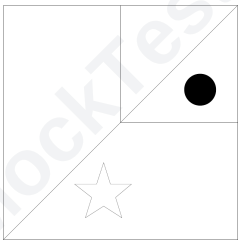
(a)



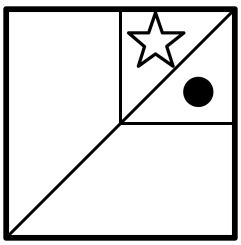
(b)



(c)



(d)

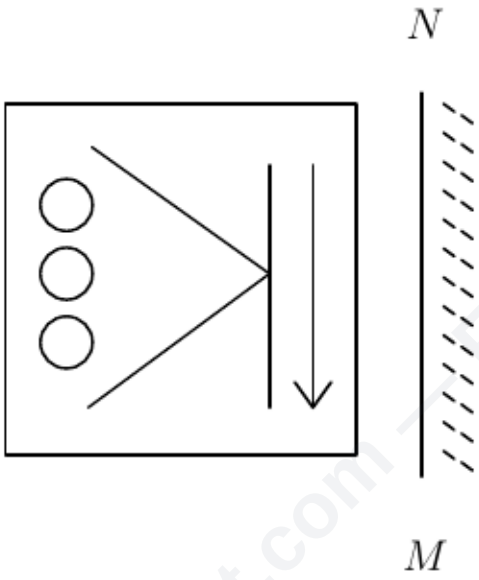


Q25. Five friends Alpha, Beta, Gamma, Rho and Theta are arranged in a row facing north but not necessarily in the same order. Beta sits at left end of the row. Only two people are sitting between Alpha and Gamma. Alpha sits immediate next to the Beta and Rho sits second to the right of Beta. Who sits between Rho and Gamma?

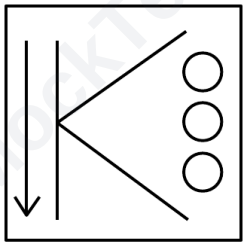
(a) Alpha
(b) Theta
(c) Beta
(d) No one

Q26. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.

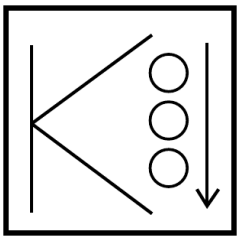
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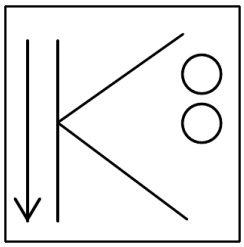
(a)



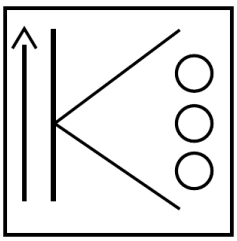
(b)



(c)



(d)



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Q27. By Interchanging the given two numbers which of the following equation will be not correct?

9 and 3

I. 7 × 4 ÷ 2 - 9 + 3 = 22

II. 9 + 4 - 6 × 3 ÷ 2 = -10

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

Q28. 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 conclusion logically follows(s) from the statements.

Statements:

No astronaut is tall.

some tall are blue.

Conclusions:

I. some astronauts are blue.

II. No tall is an astronaut.

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

Q29. Which of the following numbers will replace the question mark (?) in the given series?

46, 36, 28, 22, 18, ?

(a) 16
(b) 14
(c) 15
(d) 13

Q30. In a certain code language, 'TYPE' is written as 'SXOD'. How will 'SING' be written in that language?

(a) RMHF
(b) RFHM
(c) RHMF
(d) MRHF

Q31. Select the set in which the numbers are related in the same way as the numbers of the following sets. (NOTE: Operation should be performed on the whole numbers, without breaking down the numbers into its constituent digits E.g 13 - Operation on 13 such as adding/subtracting/multiplying etc to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operation on 1 and 3 is not allowed)

(13, 28, 58)

(16, 34, 70)

(a) (15, 32, 64)
(b) (18, 36, 110)
(c) (11, 24, 50)
(d) (12, 26, 56)

Q32. Select the option that is related to the third number in the same way as the second number is related to the first number.

8 : 514 :: 6 : ?

(a) 228
(b) 208
(c) 218

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(d) 238

Q33. In a certain code language, 'FINGER' is written as '69147518' and 'DOG' is written '4157'. How will 'FOREST' be written in that language?

(a) 6151851820
(b) 6151851921
(c) 6151751920
(d) 6151851920

Q34. Two Statements are given followed by two conclusions numbered I and II Assuming the statements to be true, even if they seen to be at variance with commonly known facts, decide which of the conclusions logically follows from the Statements

Statements:

All mobiles are electronic items.

some telephones are electronic items.

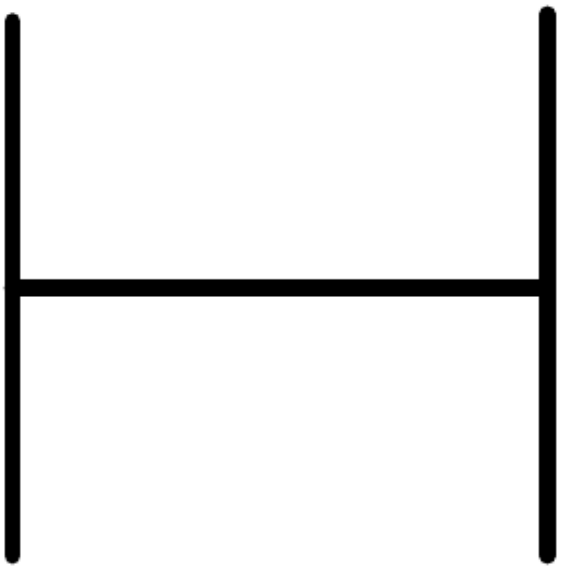
Conclusions:

I. No mobile is a telephone.

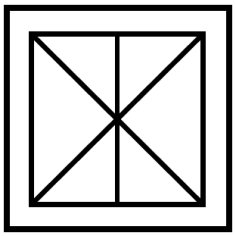
II. Some mobile are telephones.

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

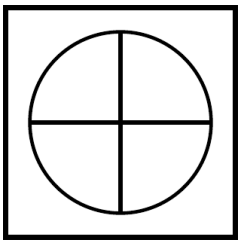
Q35. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed)



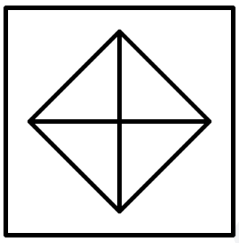
(a)



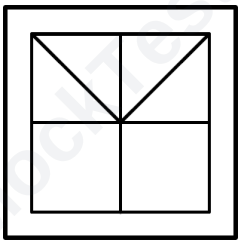
(b)



(c)



(d)



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

Cricket : Pitch :: Golf : ?

(a) Arena
(b) Track
(c) Court
(d) Course

Q37. Which of the following numbers will replace the question mark (?) in the given series?

47, 48, 44, 53, 37, ?

(a) 52
(b) 64
(c) 62
(d) 55

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.

Bear : Growl :: Elephant : ?

(a) Bray
(b) Roar
(c) Trumpet
(d) Hiss

Q39. Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

4 ÷ 32 + 8 × 9 - 5 = 35

(a) × and -
(b) ÷ and +
(c) ÷ and ×
(d) × and +

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Q40. In an examination hall seven students Aditi, Cindy, Jeanie, Kirti, Niti, Preeti, and Sweety are sitting in a row facing North but not necessarily in the same order.

Cindy sits third to the right of Sweety. Aditi and Preeti are immediate neighbours of Cindy. More than two person sit between Preeti and Sweety. Jeanie is the only neighbour of Niti. Jeanie sits to the right of Aditi. What is the position of Niti with respect to Kirti?

(a) Fifth to the left
(b) Fifth to the right
(c) Third to the right
(d) Third to the left

SESSION 2

Q41. Which among the following statements is incorrect?

(a) An increase in bank rate will decrease the money supply.
(b) Lower the Cash Reserve Ratio (CRR), lower will be the liquidity in the system
(c) Higher the Cash Reserve Ratio (CRR), lower will be the liquidity in the system.
(d) Lower the Statutory Liquidity Ratio (SLR), higher will be the liquidity in the system.

Q42. _____ is the world's largest tropical rainforest.

(a) Amazon
(b) Prairies
(c) Daintree
(d) Congo

Q43. Which among the following are commonly known as blood thinners?

(a) Anticoagulants
(b) Antibiotics
(c) Anticaking agent
(d) Antibodies

Q44. Which foreign invader surrendered his territories to Chandragupta Maurya?

(a) Menander
(b) Demosthenes
(c) Seleucus Nicator
(d) Gondophernes

Q45. Soham is suffering from goitre. Which deficiency is the most common cause of it?

(a) Deficiency of Protein
(b) Deficiency of Vitamin A
(c) Deficiency of Iodine
(d) Deficiency of Iron

Q46. Which among the following is a covalent compound?

(a) Hydrogen chloride
(b) Magnesium hydroxide
(c) Calcium carbonate
(d) Sodium chloride

Q47. "And then One Day: A Memoir" is an autobiography of which of the following Bollywood star?

(a) Shahrukh Khan
(b) Naseeruddin Shah
(c) Karan Johar
(d) Priyanka Chopra

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Q48. In the sport of _____ two teams of five players each attempt to score points by putting the ball into a hoop that is 10 feet off the ground

(a) Badminton
(b) Rugby
(c) Basketball
(d) Lawn tennis

Q49. The Superintendence, control and conduct of all election to the municipalities is responsibility of the _____

(a) State Election Commission
(b) Governor of State
(c) Election Commission of India
(d) Home Ministry of State

Q50. Which festival marks the triumph of Goddess Durga over the demon king Mahishasura?

(a) Diwali
(b) Janmashtami
(c) Holi
(d) Navratri

Q51. Who launched the SAMRIDDHI (Strengthening and Augmentation of Municipal Revenue for Infrastructure Development) scheme in October 2022 for Delhi, India?

(a) Chief Minister of Delhi
(b) Lieutenant Governor of Delhi
(c) President of India
(d) Prime Minister of India

Q52. Who was the founder of Dharma Sabha?

(a) Raja Ram Mohan Roy
(b) Dadoba Pandurang
(c) R.G. Bhandarkar
(d) Radhakanta Deb

Q53. Kalamandalam Kalyanikutty Amma is known to create the format structure and ornamentation of the _____ dance form.

(a) Kathakali
(b) Bharatnatyam
(c) Kuchipudi
(d) Mohiniyattam

Q54. With respect to human geography, TFR stands for _____

(a) Total Finance Rate
(b) Total Fall Rate
(c) Total Female Ratio
(d) Total Fertility Rate

Q55. "Bombay" Jayashri Ramnath is a famous _____ singer of India.

(a) Carnatic
(b) Folk
(c) Jazz
(d) Hip-hop

Q56. Panthi dance form is associated with _____ state of India

(a) Maharashtra
(b) Chhattisgarh
(c) Kerala

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(d) Punjab

Q57. Who among the following was a famous ruler of the Pandya dynasty of South India?

(a) Nedunjeliyan II
(b) Karikala
(c) Ashoka
(d) Nizam Shah

Q58. Part XVI of the Indian constitution deals with _____

(a) Elections
(b) Special provisions related to certain classes
(c) Constitutional amendments
(d) Special provisions related to municipal corporation

Q59. According to Census 2011, what is the total literacy rate in India (approximately)?

(a) 65%
(b) 74%
(c) 62%
(d) 81%

Q60. The Hindu College was established in Benaras in _____

(a) 1785
(b) 1786
(c) 1791
(d) 1784

Q61. Which Indian cricketer is also known as 'The Wall'?

(a) Kapil Dev
(b) Rahul Dravid
(c) Sachin Tendulkar
(d) Mahendra Singh Dhoni

Q62. Which among the following crops is an example of Kharif crop?

(a) Wheat
(b) Rice
(c) Barley
(d) Mustard

Q63. As of November 2022, who is the Speaker of Lok Sabha?

(a) Droupadi Murmu
(b) Narendra Modi
(c) Om Birla
(d) Amit Shah

Q64. Which is a major tributary of Bhagirathi river?

(a) Bhilangna
(b) Dhauliganga
(c) Pindar
(d) Bishenganga

Q65. How many UNESCO Natural World Heritage sites are there in India?

(a) Seven
(b) Four
(c) Six
(d) Five

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Q66. Direction: Select the most appropriate synonym to substitute the bracketed word in the given sentence.

Confession had always rested on a clear distinction between mortal and (venial) sins.

(a) Genial
(b) Pardonable
(c) Major
(d) Intolerable

Q67. Direction: Fill in the blank with the most appropriate option.

Sam knew who those people were; the figure in front was _____ his cousin.

(a) by mistake
(b) at mistake
(c) unmistakeably
(d) mistaken of

Q68. Direction: Choose the incorrectly spelt word.

(a) Insigt
(b) Supply
(c) Optical
(d) Cares

Q69. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Rapid climate warming in / the tundra biome have been linked / to increasing shrub dominance.

(a) No error
(b) Rapid climate warming in
(c) the tundra biome have been linked
(d) to increasing shrub dominance.

Q70. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Farms are increasingly turning to automation for _____ reasons.

(a) many
(b) most
(c) much
(d) little

Q71. Direction: Select the appropriate synonym for the underlined word.

I didn't have time to give them proof.

(a) evidence
(b) guess
(c) snap
(d) charge

Q72. Direction: Select the most appropriate option to fill in the blank.

Participate in a mock interview to prepare for _____ on your feet and formulating answers under pressure.

(a) thinking
(b) blocking
(c) cursing
(d) building

Q73. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

She blew out the candle and gone to sleepy.

(a) went to sleeps
(b) go to sleep

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(c) went to sleep
(d) No improvement

Q74. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

At all costs

(a) Not to be trifled with
(b) Whatever is needed to achieve something
(c) To be master of
(d) An expensive purchase

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

Tax dispute settlement might not work out in the desired scale.

(a) might not work out in
(b) the desired scale.
(c) Tax dispute settlement
(d) No error

Q76. Direction: Choose the word that can substitute the given group of words.

A unit to measure light

(a) Lumen
(b) Watt
(c) Horse-power
(d) Ampere

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

Cell phones keeps loved ones and those nearly them well connected.

(a) No improvement
(b) Keeping loved and nearly
(c) kept love and near
(d) keep loved ones and those near

Q78. Direction: Select the most appropriate antonym of the given word.

Discreet

(a) Release
(b) Zenith
(c) Open
(d) Lose

Q79. Direction: Fill in the blank with the most appropriate option.

He had moved about two inches when several things happened in very _____ succession.

(a) brief
(b) desperate
(c) quick
(d) absurd

Q80. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the meaning of the idiom/Phrase.

Rolling in cash

(a) Have a large quantity of money
(b) A business magnate
(c) Buying things on interest
(d) To borrow a costly attire

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Q81. Direction: Choose the word that can substitute for the given group of words.

Destruction of a fetus

(a) Fraticide
(b) Ellipse
(c) Abhor
(d) Feticide

Q82. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The benefits of rebuilding healthy, fertile soil are clear.

(a) healthy, fertile soil
(b) The benefits of rebuilding
(c) No error
(d) are clear.

Q83. Direction: Select the appropriate antonym for the underlined word.

The peach tree is most productive when the roots are kept near the surface.

(a) futile
(b) lush
(c) potent
(d) fertile

Q84. Direction: 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'.

(Beside myself, the only English people) there were Keith and Doreen.

(a) Besides I, the only English speaking people
(b) No substitution required
(c) Beside myself, only English people
(d) Besides me, the only English people

Q85. Direction: Four sentences are given, of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) I don't know weather to eat it or rubb it on.
(b) Goodbye untill later now, foks. Have a good night.
(c) She always says something humerous.
(d) Had I known what was coming, I could have prepared myself better.

Directions

Direction: 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.

By the ____ (1) __ we reach puberty, the world has reached us and __ (2) __ us to a greater extent than we realize.__ (3) __ family, friends, school, and society in general __ (4) __ by word and example how to be. But people __ (5) ____ leaders at that moment when they decide for themselves how to be.

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

(a) time
(b) moment
(c) age
(d) era

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

(a) shapes
(b) shaped
(c) contours
(d) formats

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

(a) Their
(b) Her
(c) There
(d) Our

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

(a) have tell us
(b) have told us
(c) has told us
(d) have been told us

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

(a) onset to became
(b) begin to become
(c) began to become
(d) start to became

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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