SSC MTS (2022) Official Paper (Held On: 16 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. What is the compound interest on Rs. 8400 for 2 years at 10% per annum compounded annually?

(a) Rs. 10164
(b) Rs. 840
(c) Rs. 5064
(d) Rs. 1764

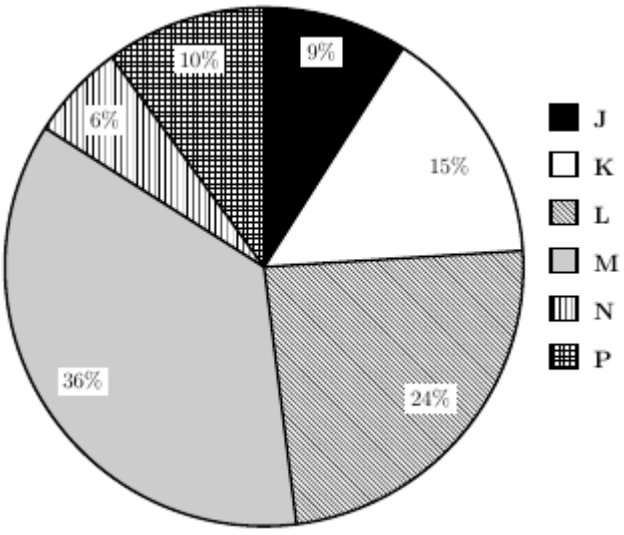
Q2. 14 workers working 16 hours per day can demolish a building in 81 days. In how many days 18 workers working 24 hours per day can demolish the same building?

(a) 54 days
(b) 42 days
(c) 70 days
(d) 30 days

Q3. Rs. 15000 is divided among E, F and G. E's share and F's share are in the ratio of 3 : 2. F's share and G's share are in the ratio of 6 : 5. How much amount will F receive?

(a) Rs. 3750
(b) Rs. 6750
(c) Rs. 4500
(d) Rs. 6000

Q4. The pie chart given below shows the number of students studying in six schools. Total number of students studying in all these six schools are 7000. Number of students studying in a particular school is shown as a percentage of total number of students studying in all these six schools.



What is the difference between the average number of students studying in school K and L and average number of

students studying in school M and N?

(a) 85
(b) 90
(c) 105
(d) 115

Q5. A car left 4 hours later than the scheduled time but in order to reach its destination 480 km away in time, it had to increase its usual speed by 10 km/hr. What is the usual speed of the car?

(a) 40 km/hr
(b) 60 km/hr
(c) 30 km/hr
(d) 50 km/hr

Q6. By selling an article at Rs.425, a shopkeeper had a loss of 15%. At what price should he sell the article so as to make a profit of 20%?

(a) Rs.800
(b) Rs.1000
(c) Rs.400
(d) Rs.600

Q7. A sum of money at simple interest amounts to Rs.5704 in 3 years and to Rs.6072 in 4 years. The sum is:

(a) Rs.5020
(b) Rs.4800
(c) Rs.4600
(d) Rs.4980

Q8. Reshma alone can do a work in 14 days. Bhavana is 40% more efficient than Reshma. The number of days, Bhavana alone will take to do the same piece of work is:

(a) 10 days
(b) 40 days
(c) 28 days
(d) 14 days

Q9. The least number which when divided by 14, 18 and 36 and leaves 1 as remainder in each case is:

(a) 250
(b) 252
(c) 253
(d) 251

Q10. A trader allowed a discount of 25 percent on a trolley bag having list price of Rs. 1488 and earns a profit of 20 percent. What is the cost price of the trolley bag?

(a) Rs. 908
(b) Rs. 880
(c) Rs. 930
(d) Rs. 960

Q11. Average of 9 numbers is 47. If a number is removed, then the average becomes 48. Which number was removed?

(a) 39
(b) 42
(c) 45
(d) 40

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Q12. What is the Highest Common Factor of 25, 15 and 75?

(a) 7
(b) 15
(c) 25
(d) 5

Q13. The given data shows the number of mobiles (in thousands) manufactured by companies C1, C2, C3 and C4 in 2018, 2019 and 2020. Which company manufactured the least number of mobiles in total across all the years?

Company	2018	2019	2020
C1	44	33	70
C2	32	54	50
C3	72	63	82
C4	84	71	49

(a) C3
(b) C2
(c) C4
(d) C1

Q14. A number is increased by 20% and then decreased by 20%. What is the net percent change in the number?

(a) 4% increase
(b) 4% decrease
(c) 5% increase
(d) 5% decrease

Q15. Find the value of $\sqrt{[(7^2+6^3+9^2) \div 2+52]}$

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

Q16. If X : Y = 3 : 2, then what is the value of (X - Y) : (X + Y)?

(a) 4 : 5
(b) 1 : 5
(c) 8 : 9
(d) 3 : 7

Q17. Difference between the circumferences of two circles is 4.4 cm and radius of smaller circle is 1.4 cm. The radius of the larger circle is:

(a) 4.1 cm
(b) 0.7 cm
(c) 2.1 cm
(d) 3.5 cm

Q18. Average of 8 numbers is 44. The average of first three numbers is 50 and the average of next two numbers is 52. If the sixth number is 6 and 8 less than seventh and eighth number respectively, then what is the value of eighth number?

(a) 36
(b) 32
(c) 40
(d) 56

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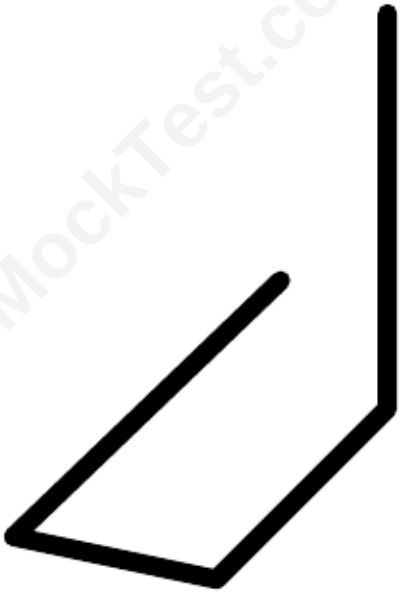
Q19. The height of a right circular cone is 24 cm. If the diameter of its base is 36 cm, then what will be the curved surface area of the cone?

(a) 1444.6 cm²
(b) 2400.9 cm²
(c) 1697.14 cm²
(d) 2144.2 cm²

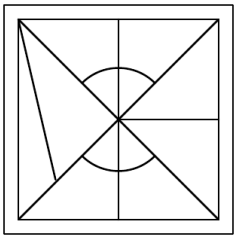
Q20. The cost price of 50 articles is same as the selling price of x articles. If there is a profit of 25 percent, then what is the value of x? (Selling price of all articles is same. Cost price of all articles is same)

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

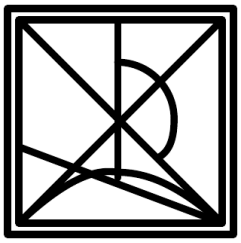
Q21. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



(a)

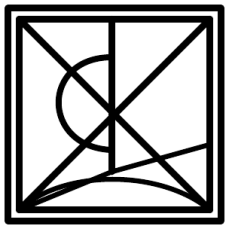


(b)

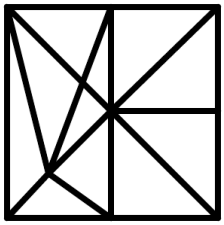


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(c)



(d)



Q22. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some S are P.

II. No P is L.

Conclusion:

I. All S are P.

II. All L are S.

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

Q23. 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 : 15 :: 88 : ?

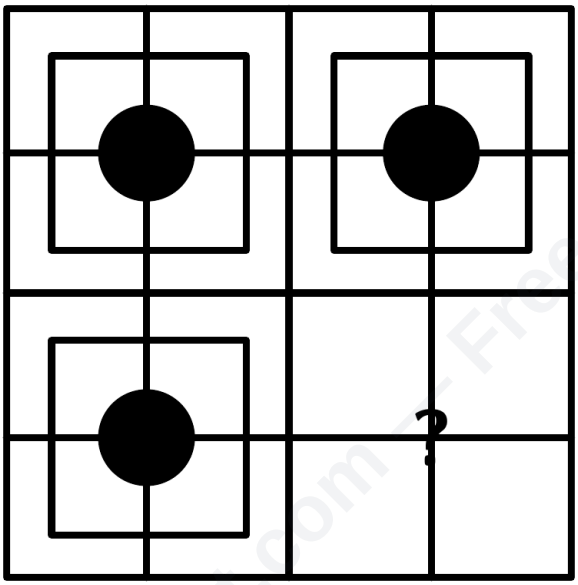
(a) 21
(b) 7
(c) 12
(d) 31

Q24. In a certain code language, 'CENTRE' is coded as '982748', 'DEVICE' is coded as '583098. What is the code for 'DIRECT' in that code language?

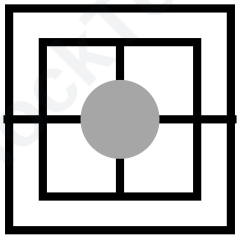
(a) 506897
(b) 694879
(c) 504897
(d) 564897

Q25. Which answer figure will complete the pattern in the question figure (rotation is not allowed)?

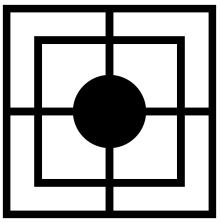
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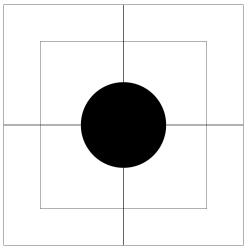
(a)



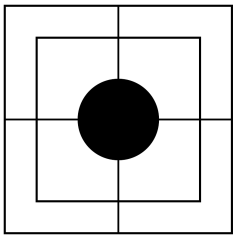
(b)



(c)



(d)



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Q26. After interchanging the given two signs, what will be the value of the given equation?

× and ÷ ; 25 + 5 × 35 ÷ 7 - 26

(a) 0
(b) 10
(c) 50
(d) 51

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

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

Q28. Number of letters in six words B1, B2, B3, B4, B5 and B6 are compared. Number of letters in B1 are least. Number of letters in B4 are more than B1 but less than B2. Number of letters in B6 are more than B3 and B5. Number of letters in B3 are more than B2. If number of letters in B5 are more than B3, then the number of letters in B4 are less than the number of letters of how many words?

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

Q29. In a certain code language, 'HAND' is written as 'SZMW'. How will 'BODY' be written in that language?

(a) YWLB
(b) YLWB
(c) BLWY
(d) YLWE

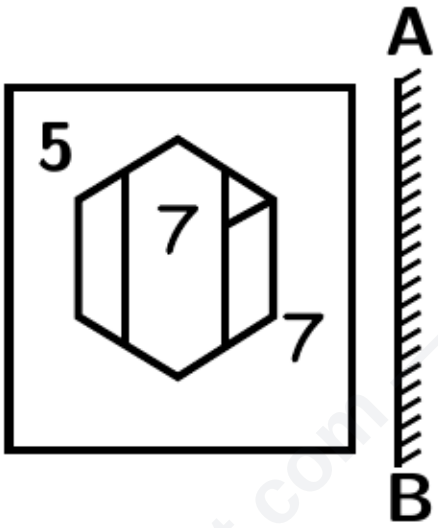
Q30. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

RAIR, UBLS, XCOT, ADRU, ?

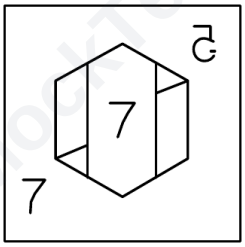
(a) DEVV
(b) DEUV
(c) DFUV
(d) DFFV

Q31. 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?

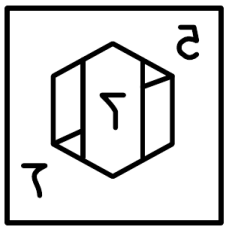
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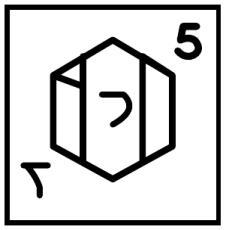
(a)



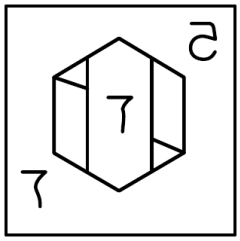
(b)



(c)



(d)



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Q32. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 - Operations on 13 such as adding/subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(10, 30, 90)

(20, 60, 180)

(a) (30, 45, 60)
(b) (30, 90, 270)
(c) (30, 60, 90)
(d) (30, 90, 310)

Q33. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some B are T.

II. No K is B.

Conclusion:

I. No B is K.

II. Some T are B.

III. Some T are K.

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

Q34. In a certain code language, 'SLDDER' is coded as 'PEBDJS'. What is the code for 'TALLER' in that code language?

(a) PDJLYT
(b) PEJLYT
(c) PEJLTY
(d) PEJMYT

Q35. Which of the following numbers will replace the question mark (?) in the given series?

16, 21, 31, 46, 66, 91, ?

(a) 243
(b) 121
(c) 211
(d) 112

Q36. 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.

T3G : V16L :: R29A : T42F :: M43P : ?

(a) O56V
(b) P56V
(c) P56U
(d) O56U

Q37. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

7 A (18 D 3) C 5 = ?

(a) 5
(b) 13
(c) 18

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(d) 8

Q38. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (:) from the given alternatives based on the same Logic/Rule/Relation.

Cow : Herbivorous :: ?

(a) Elephant : Herbivorous
(b) Goat : Carnivorous
(c) Sheep : Carnivorous
(d) Carnivorous : Lion

Q39. Eight friends Rahul, Ram, Ramesh, Sohan, Sahil, Anil, Sonu and Monu are sitting around a circular table facing towards the centre (not necessarily in the same order). Sahil is third to the left of Sonu. Sonu is to the immediate right of Ram. Ram is third to the left of Rahul. Monu is second to the right of Anil. Anil is not the immediate neighbour of Sahil. Sohan is not the immediate neighbour of Ram.

Who is third to the left of Ram?

(a) Sohan
(b) Sahil
(c) Rahul
(d) Sonu

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

3, 9, 54, 648, 15552, ?

(a) 746496
(b) 124583
(c) 746946
(d) 78342

SESSION 2

Q41. The feature of single citizenship in the Indian Constitution was borrowed from the Constitution of _____.

(a) Britain
(b) Canada
(c) United States of America
(d) Australia

Q42. Which among the following is Phanerogams, flowering and seed - bearing plants?

(a) Gymnosperms
(b) Pteridophyta
(c) Bryophyta
(d) Thallophyta

Q43. Cosmic snowballs of frozen gases, rock and dust that orbit the Sun are known as _____.

(a) Meteors
(b) Star
(c) Meteorites
(d) Comets

Q44. By October 2022, Prime Minister Narendra Modi has inaugurated _____ Pradhan Mantri Kisan Samruddhi Kendras.

(a) 600
(b) 300
(c) 400
(d) 500

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Q45. Which among the following is a ritual of cleaning the earth as well as worshipping the fourteen gods in Tripura, India?

(a) Kharchi Puja
(b) Tusu
(c) Durga Puja
(d) Bani

Q46. Who is the author of the book titled 'The White Tiger'?

(a) Aravind Adiga
(b) Mulk Raj Anand
(c) Ravinder Singh
(d) Khushwant Singh

Q47. Which Mughal ruler was overthrown by British and sent to exile in Burma, after the revolt of 1857?

(a) Bahadur Shah I
(b) Shah Jahan
(c) Alamgir II
(d) Bahadur Shah II

Q48. Who among the following continues to be hailed as the empress of Bharatanatyam across the world?

(a) Shovana Narayan
(b) Mallika Sarabhai
(c) Tanjore Balasaraswati
(d) Kalamandalam Kalyanikutty Amma

Q49. With which country does India share the longest border?

(a) Bangladesh
(b) China
(c) Nepal
(d) Pakistan

Q50. Which among the following is a dance performed by the devotees during the ceremonial worship of Murugan the Hindu God of war?

(a) Mayilattom
(b) Yaksha
(c) Kavadi attam
(d) Kummi

Q51. Cultivation of cotton requires how many frost - free days?

(a) 140
(b) 160
(c) 210
(d) 250

Q52. Which country hosted the World Championships in Athletics (18th) in 2022?

(a) Japan
(b) Qatar
(c) United States of America
(d) Colombia

Q53. Which among the following Vitamins plays an essential role in vision?

(a) C
(b) B1
(c) D
(d) A

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Q54. Pandit Ravi Shankar was awarded India's highest civilian honour, the Bharat Ratna, in 1999. He played which of the following instruments?

(a) Bansuri
(b) Tabla
(c) Sitar
(d) Shehnai

Q55. National income received by the households is called _____.

(a) domestic income
(b) professional income
(c) personal income
(d) disposable income

Q56. Which among the following rivers does not flow into the Bay of Bengal?

(a) Krishna
(b) Yamuna
(c) Tapti
(d) Mahanadi

Q57. As per the contents mentioned in Asokan inscriptions, how many major political centres were there in the Mauryan empire?

(a) five
(b) six
(c) four
(d) three

Q58. Who among the following freedom fighters gave the famous quote "Give me blood, and I shall give you freedom!" ?

(a) Sardar Vallabh Bhai Patel
(b) Bal Gangadhar Tilak
(c) Subhash Chandra Bose
(d) Lala Lajpat Rai

Q59. The Fifth Khelo India Youth Games 2022 was organised in _____ in 2023.

(a) Uttar Pradesh
(b) Madhya Pradesh
(c) West Bengal
(d) Kerala

Q60. Which among the following famous temples is located in Assam?

(a) Somnath Temple
(b) Shore Temple
(c) Mundeshwari Temple
(d) Kamakhya Temple

Q61. When did the Chauri Chaura incident take place?

(a) 1901
(b) 1915
(c) 1922
(d) 1908

Q62. Polyatomic positive ions often have common names ending with the suffix _____.

(a) • ic
(b) • ide
(c) • onium
(d) • ous

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Q63. In India, census is conducted under the provisions of the Census Act _____.

(a) 1950
(b) 1952
(c) 1955
(d) 1948

Q64. A maximum of _____ members can be nominated by the President of India to become the member of the Rajya Sabha.

(a) 12
(b) 25
(c) 18
(d) 10

Q65. The Juvenile Justice (Care and Protection of Children) Amendment Bill, 2021 seeks to amend Juvenile Justice (Care and Protection of Children) Act, _____.

(a) 2016
(b) 2013
(c) 2014
(d) 2015

Q66. Choose the sentence with no spelling error.

(a) Near death expereinces are stil near death.
(b) Near death expriences are still near death.
(c) Near death experiences are stil near deaath.
(d) Near death experiences are still near death.

Q67. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Producing a different component was as simple such launching a new computer program.

(a) No error
(b) Producing a different component was
(c) as simple such launching
(d) a new computer program.

Q68. Select the appropriate antonym for the underlined word.

The beauty of our landscape is important.

(a) glamour
(b) aesthetics
(c) nobility
(d) blemish

Q69. 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'

This commodity in clay - coloured material (can't be used neither as a table mat nor as a table napkin).

(a) can't be used either as a table mat or as a table napkin
(b) No substitution required
(c) can't be used neither as a table mat but as a table napkin
(d) can't be used neither as a table mat or as a table napkin

Q70. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

People need to made changes in agriculture and land use.

(a) People need to
(b) agriculture and land use.
(c) No error
(d) made changes in

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Q71. Choose the word that means the same as the given word.

Abundant

(a) Plentiful
(b) Scarce
(c) Meager
(d) Deficient

Q72. Choose the incorrectly spelt word.

(a) Busy
(b) Plane
(c) Sponge
(d) Condision

Q73. Select the most appropriate word for the given group of words.

Government by two rulers or authorities

(a) Monarchy
(b) Bureaucracy
(c) Diarchy
(d) Anarchy

Q74. Choose the word that can substitute the given group of words.

A case in which the blade of a sword is kept

(a) Sheath
(b) Pantry
(c) Dyke
(d) Infirmary

Q75. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

In another words, most of us / are made by our elders or by our / peers, but leaders are self - directed.

(a) peers, but leaders are self - directed.
(b) In another words, most of us
(c) are made by our elders or by our
(d) No error

Q76. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

At age 25, she taken her vows and became a nun.

(a) take her vows
(b) No improvement
(c) took her vows
(d) take her vowed

Q77. 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 said that they (were understandings) his theory very well.

(a) understanding
(b) No correction required
(c) have understand
(d) understood

Q78. Select the most appropriate meaning of the given idiom.

To sing a different tune

(a) To change the way one talks about something
(b) To brag about something

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(c) To be able to handle a jolt
(d) To buy or sell something

Q79. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.
He was _____ in a pool of blood near a neighbour's house.
(a) lain
(b) laying
(c) lying
(d) lied

Q80. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.
You have the power _____ the perspective of this nation.
(a) changing
(b) to change
(c) change
(d) changed

Q81. Select the most appropriate option to fill in the blank.
Strength training is useful as it avoids large increases in breathing rate and _____ muscle strength.
(a) regresses
(b) distributes
(c) improves
(d) degrades

Q82. Select the appropriate synonym for the underlined word.
A sudden gust of wind hits the window.
(a) blow
(b) cramp
(c) feel
(d) pump

Q83. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
With a pinch of salt
(a) With due respect
(b) Nefariously
(c) Taken forcefully
(d) Doubt the truth or value of something

Q84. Select the most appropriate option to fill in the blank.
He gave the horse enough room to _____ away from the wagon.
(a) woke
(b) stalk
(c) walk
(d) watch

Q85. Select the most appropriate antonym of the given word.
Lethargy
(a) Refusal
(b) Attention
(c) Shield
(d) Existence

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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.

By contrast, depression is a (1)____. long - term downturn in economic activity in one or more (2) __. A depression is a more (3) __ downturn than a recession, which is seen by some economists as part of the modem business cycle. The latter refers to (4) __ that occur around a long-term growth trend, and typically involve shifts over time between (5) ____ of relatively rapid economic growth (an expansion or boom), and periods of relative stagnation or decline (a contraction or recession).

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

(a) curtained
(b) abstained
(c) stained
(d) sustained

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

(a) services
(b) autonomies
(c) economies
(d) astronomies

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

(a) severe
(b) tamed
(c) feral
(d) simple

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

(a) firmness
(b) stability
(c) fluctuations
(d) sustainability

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

(a) perpetually
(b) periods
(c) perpetuity
(d) prods

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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