SSC MTS (2022) Official Paper (Held On: 16 May, 2023 Shift 2) (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. Find the fourth proportion to 55, 60 and 33.

(a) 36
(b) 24
(c) 28
(d) 30

Q2. The annual salary of Aniket increased from Rs. 1000000 to Rs. 1400000. What is the percent increase?

(a) 14%
(b) 40%
(c) 20%
(d) 4%

Q3. If both length and breadth of a cuboid is increased by 12 percent, then by how much percent its height should be reduced so that the volume of the cuboid remains same?

(a) 14.56 percent
(b) 24.72 percent
(c) 20.28 percent
(d) 28.44 percent

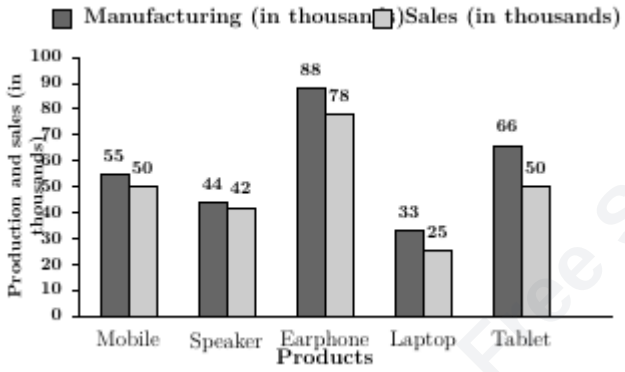
Q4. Find the mean proportion of 64 and 144.

(a) 8
(b) 108
(c) 12
(d) 96

Q5. Successive discounts of 33% and 30% are equivalent to what single discount?

(a) 60.4%
(b) 50.5%
(c) 45.9%
(d) 53.1%

Q6. The bar graph shows the manufacturing and sales of different products. Find the number of unsold laptops.



(a) 9000
(b) 4000
(c) 8000
(d) 5000

Q7. The table given below shows the marked price and discount percentage of five different articles.

Article	Marked price	Discount percent
P	300	20 percent
Q	600	25 percent
R	400	16 percent
S	700	22 percent
T	800	30 percent

Selling Price = Marked Price - ((Marked Price × Discount)/100)

J1 = Total selling price of article P and R.

J2 = Total selling price of Q and T.

What is the value of (J2 - J1)?

(a) 530
(b) 434
(c) 448
(d) 532

Q8. Nine times the area of a circle is same as the three times the area of a square. What is the ratio of the diameter of the circle and diagonal of the square?

(a) √2 : √3π
(b) 2 : √3π
(c) 2 : 3π
(d) √5 : √7π

Q9. A man drives his car at a speed of 50 km / hr for 2 hours and then decides to slow down to 40 km / hr till the end of the journey. If his average speed for the journey was 44 km / hr, then for how much time he drives his car at speed 40 km / hr?

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

Q10. The average of 21 numbers is 60. If each number is increased by 20, then find the number by which the average is increased.

(a) 12
(b) 18

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(c) 15
(d) 20

Q11. By Selling 35 articles, a shopkeeper gains the selling price of 15 articles. Find his gain percentage.
(a) 88%
(b) 40%
(c) 75%
(d) 60%

Q12. A sum of Rs. 21850 amounts to Rs. 28623.50 in 5 years at the rate of simple interest. The rate percent is:
(a) 7.2% p. a.
(b) 4.8% p. a.
(c) 6.2% p. a.
(d) 6.8% p. a.

Q13. Find the value of $6^2 + 4^2$ - 20 of 2 + 40.
(a) 50
(b) 54
(c) 56
(d) 52

Q14. A, B and C together can complete a work in 5 days. A and B together can complete the same work in 6 days. C alone can finish the same work in how many days?
(a) 60 days
(b) 30 days
(c) 15 days
(d) 20 days

Q15. The ratio of time taken by A and B to cover a certain distance is 17 : 19. Find the ratio of their respective speed.
(a) 11 : 15
(b) 15 : 19
(c) 17 : 15
(d) 19 : 17

Q16. How many litre of water can a hemispherical bowl of diameter 21 m hold? ($1\ m^3 = 1000$ litre)
(a) 2100000 litre
(b) 2425500 litre
(c) 2322500 litre
(d) 2250500 litre

Q17. In what ratio must tea at Rs. 58 per kg be mixed with tea at Rs. 64 per kg so that the mixture must be worth Rs. 60 per kg?
(a) 2 : 3
(b) 2 : 1
(c) 1 : 2
(d) 3 : 2

Q18. What is the value of 49 × 64 ÷ 56 + 45 ÷ 5 + 25 × 5 + 75 ÷ 3 + 8 × 3?
(a) 225
(b) 214
(c) 239
(d) 250

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Q19. What is the value of 39/25 ÷ 13/5 + 33/5 × 4/11 ?

(a) 3
(b) 12
(c) 5
(d) 15

Q20. After selling 4% of a quantity of sugar, 6 kg of sugar remains. Find the total quantity of sugar.

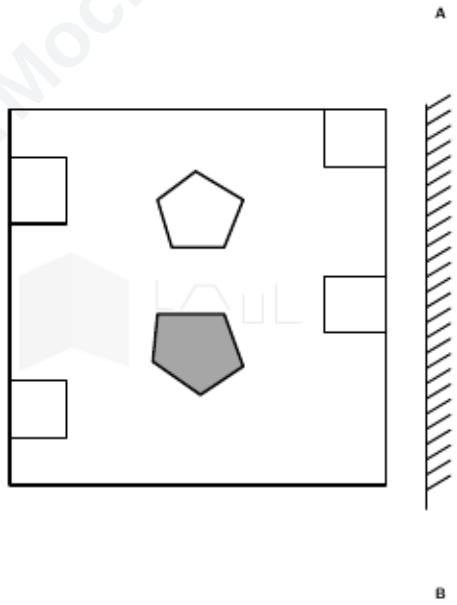
(a) 7 kg
(b) 6.25 kg
(c) 11.11 kg
(d) 5.25 kg

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

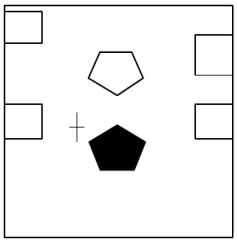
UX, YB, CF, GJ, ?

(a) KN
(b) LN
(c) LO
(d) KM

Q22. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?

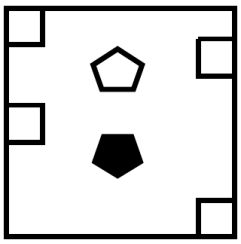


(a)

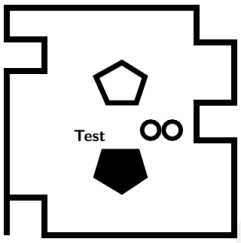


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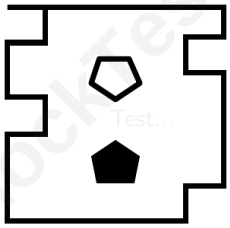
(b)



(c)



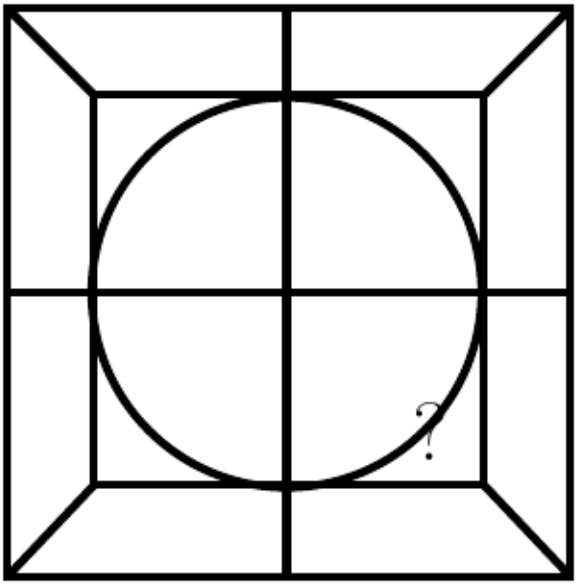
(d)



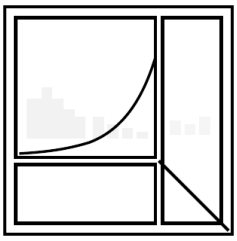
Q23. In a certain code language, ‘CAUGHT’ is written as ‘EYWEJR’ and ‘ENGINE’ is written as ‘GLIGPC’. How will ‘WORKER’ be written in that language?

(a) YMTIGP
(b) YMTJIP
(c) YMTKGP
(d) YMTIHP

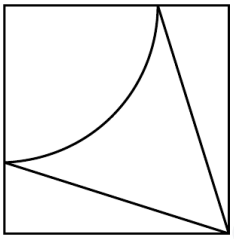
Q24. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)



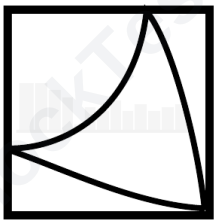
(a)



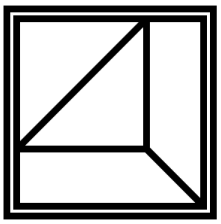
(b)



(c)



(d)



Q25. Select the set in which the numbers are related in the same way as are the numbers of the following sets. (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)

(7, 49, 343)

(8, 64, 512)

(a) (6, 36, 206)
(b) (5, 25, 225)
(c) (11, 121, 1221)
(d) (9, 81, 729)

Q26. Select the option that is related to the third number in the same way as the second number is related to the first number.

346 : 175 :: 250 : ?

(a) 213
(b) 127
(c) 174
(d) 271

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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 trolleys are baskets.

Some briefcase are trolleys.

Conclusions:

I. All briefcase are baskets.

II. Some basket are briefcases.

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

Q28. By Interchanging the given two numbers which of the following equation will be correct?

7 and 4

I. $7 \times 8 + 4 - 9 \div 3 = 30$

II. $9 + 4 \times 8 \div 2 - 7 = 33$

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

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

5, 7, 11, 13, 17, 19, 23, 25, ?

(a) 39
(b) 56
(c) 42
(d) 29

Q30. Five students A, M, C, Y and G are sitting around a circular table facing outside the center not necessarily in the same order. M sits to the immediate left of A and to the immediate right of G. Y is not an immediate neighbour of A. Who sits second left of G?

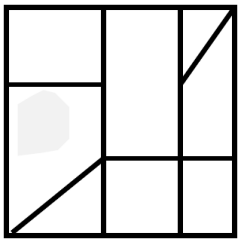
(a) Y
(b) M
(c) A
(d) C

Q31. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

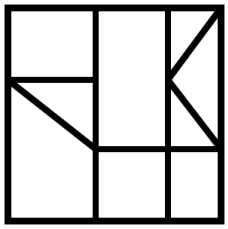


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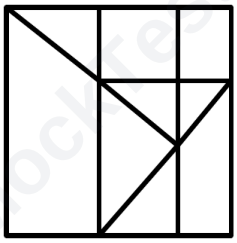
(a)



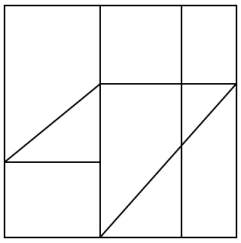
(b)



(c)



(d)



Q32. In a certain code language, ‘JACK’ is written as ‘LCEI’. How will ‘FURO’ be written in that language?

(a) HMTW
(b) HWTM
(c) HTWM
(d) HTMW

Q33. Select the option that is related to the third word in the same way as the second word is related to the first word.

Butcher : Meat :: Pilot : ?

(a) Framework
(b) Plane
(c) Sell
(d) Remedy

Q34. Five friends Piyush, Nikhil, Rahul, Saksham and Tarun have different heights. Tarun is taller than only three other friends. Rahul is tallest among all friends. Nikhil is taller than only one person. Only two persons are taller than Piyush. Who is the shortest among all the friends?

(a) Saksham
(b) Nikhil
(c) Piyush
(d) Tarun

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Q35. 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:

Only a few Adults are Plumbers.

Only a few Plumbers are Taxi drivers.

Conclusions:

I. Some Adults are Taxi drivers.

II. All Plumbers can never be Taxi drivers.

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

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

58, 62, 71, 87, 112, ?

(a) 158
(b) 148
(c) 138
(d) 140

Q37. Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

45 - 6 + 108 ÷ 12 × 14 = 5

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

Q38. In a certain code language, ‘3152’ is written as ‘FBJD’ and ‘5476’ is written as ‘JHNL’. How will ‘2231’ be written in that language?

(a) BDDF
(b) EFDB
(c) DDFB
(d) FBED

Q39. In a certain code language, ‘CAGE’ is written as ‘92’ and ‘BURN’ is written as ‘53’. How will ‘TORCH’ be written in that language?

(a) 98
(b) 65
(c) 82
(d) 71

Q40. Select the option that is related to the third word in the same way as the second word is related to the first word.

Cataract : Eyes :: Psoriasis : ?

(a) Leg
(b) Hair
(c) Ear
(d) Skin

SESSION 2

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Q41. In the mid - eighth century, Dantidurga, a Rashtrakuta chief, overthrew his Chalukya overlord and performed a ritual literally called a _____.

(a) Prayer meet
(b) Golden womb
(c) Horse ride
(d) Subsidiary alliance

Q42. Who was the first Indian actress to receive the Padma Shri Award?

(a) Nargis Dutt
(b) Asha Parekh
(c) Madhubala
(d) Devika Rani

Q43. The percentage of eligible voters who cast their votes in an election is termed as _____.

(a) Quorum
(b) Turnout
(c) Veto
(d) Constituency

Q44. Who was the last tirthankara of the Jainas?

(a) Vardhamana Mahavira
(b) Chandraprabha
(c) Rishabhanatha
(d) Padmaprabha

Q45. As of 11 August 2022, who is the Chairman of Rajya Sabha?

(a) Adhir Ranjan Chowdhury
(b) Jagdeep Dhankhar
(c) Narendra Modi
(d) Amit Shah

Q46. Which among the following is an example of Phylum Mammalia of Animal Kingdom?

(a) Crocodile
(b) Hen
(c) Rat
(d) Pigeon

Q47. Which Department of Government of India launched ‘One Health’ pilot project in April 2022?

(a) Department of Animal Husbandry and Dairying
(b) Department of Consumer Affairs
(c) Department of Information Technology
(d) Department of Commerce

Q48. Indian constitution borrowed cabinet form of governance from _____.

(a) United Kingdom
(b) France
(c) South Africa
(d) Australia

Q49. Which of the following is not an environment function?

(a) Accumulates waste
(b) Sustains life
(c) Provides the supply of resources
(d) Enhances the quality of life

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Q50. Which of the following crop is known as “Golden Fibre” of Bengal?

(a) Soyabean
(b) Corn
(c) Jute
(d) Rice

Q51. Meena talks about an example of sedimentary rock. Which one of the following can it be?

(a) Granite
(b) Marble
(c) Sandstone
(d) Basalt

Q52. Pongal, the four day Harvest festival is generally celebrated in _____.

(a) North - East India
(b) North India
(c) Eastern India
(d) South India

Q53. Who wrote the Panchatantra, a collection of fables?

(a) Rumi
(b) Amar Singh
(c) Jaya Dev
(d) Vishnu Sharma

Q54. Who defeated Prithviraj Chauhan in the second battle of Tarain in 1192 AD?

(a) Iltutmish
(b) Babur
(c) Alauddin Khilji
(d) Muhammad Ghori

Q55. Tata Iron and steel company (TISCO) began producing steel in _____.

(a) 1912
(b) 1914
(c) 1916
(d) 1910

Q56. Which among the following is a folk dance of Jammu and Kashmir, India?

(a) Kathak
(b) Bihu
(c) Bhangra
(d) Rouf

Q57. Which sport is played between two teams each made up of eleven players?

(a) Swimming
(b) Basketball
(c) Cricket
(d) Table tennis

Q58. The Indian classical dancer Sonal Mansingh was honoured with which of the following awards?

(a) Padma Bhushan and Padma Shri
(b) Padma Bhushan and Bharat Ratna
(c) Padma Bhushan and Padma Vibhushan
(d) Padma Vibhushan and Padma Shri

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Q59. Which river of India drains into Bay of Bengal?

(a) Tapi
(b) Godavari
(c) Narmada
(d) Mahi

Q60. GDP is an indicator of a country's economy. What does 'D' in GDP stand for?

(a) Development
(b) Domestic
(c) Dividend
(d) Deficit

Q61. In cricket, hitting the ball to the boundary along the ground is _____ runs.

(a) 2
(b) 1
(c) 4
(d) 6

Q62. The census of India is conducted at an interval of_____.

(a) 2 years
(b) 7 years
(c) 10 years
(d) 5 years

Q63. The rock - cave temple of _____ is the largest monolithic structure in the world.

(a) Udaygiri
(b) Ajanta
(c) Ellora
(d) Badami

Q64. Lala Lajpat Rai was an active member of which organisation?

(a) Arya Samaj
(b) Brahmo Samaj
(c) Brahmo Sabha
(d) Prathana Sabha

Q65. What is the chemical name for ionic compound $MgCl_2$?

(a) Sodium iodide
(b) Manganese chloride
(c) Cesium fluoride
(d) Magnesium chloride

Q66. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.
The school was _____ than a mile from their home.

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

Q67. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.
_____ from humans, lions are the key natural predators of elephants.

(a) Rather
(b) Along
(c) Aside
(d) Beside

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Q68. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

India's claim to be a world leader in pharmaceuticals are heavily compromised.

(a) are heavily compromised.
(b) India's claim to be a
(c) No error
(d) world leader in pharmaceuticals

Q69. Select the appropriate antonym for the underlined word.

He says we are poor now.

(a) indigent
(b) ruined
(c) barren
(d) opulent

Q70. Choose the word that means the same as the given word.

Fabulously

(a) Scarcely
(b) Scantily
(c) Fantastically
(d) Nominally

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

To work against the clocks

(a) To fill one with terror
(b) To work fast
(c) To die while still working
(d) To move anti - clockwise

Q72. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom / Phrase.

On account of

(a) To settle dues
(b) To make excuses
(c) Because of
(d) To mark one's territory

Q73. Choose the word that is opposite in meaning to the given word.

Abort

(a) Commode
(b) Commence
(c) Command
(d) Collision

Q74. Select the most appropriate option to fill in the blank.

If she hadn't _____ her cell phone on the bed, she could have called him.

(a) through
(b) throne
(c) throng
(d) thrown

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

Sometimes we wish for things, but we do not think about their _____.

(a) consequences
(b) fractions
(c) copiousness
(d) hazards

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

Though a foreigner, Mother Teresa settle in Calcutta and made it her home.

(a) settle over Calcutta as
(b) settling in Calcutta or
(c) No improvement
(d) settled in Calcutta and

Q77. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

When he buckled down to his / work he became the slyer / and cleverest of diplomats.

(a) When he buckled down to his
(b) work he became the slyer
(c) and cleverest of diplomats.
(d) No error

Q78. Choose the word that can substitute the given group of words.

A government run by a single person

(a) Anocracy
(b) Bureaucracy
(c) Gerontocracy
(d) Autocracy

Q79. Choose the incorrectly spelt word.

(a) Recently
(b) Brush
(c) Structrure
(d) Havoc

Q80. Choose the sentence with no spelling error.

(a) Alice turned away, and shrugged her shoulders.
(b) Alice turned away, and shruged her sholders.
(c) Alice turned away, and shugged her shulders.
(d) Alice truned away, and shrugged her shoulders.

Q81. Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

He has 33 years of professional experience (on the field of) Public Administration.

(a) over field of
(b) in the field of
(c) No substitution required
(d) in the field off

Q82. Choose the word that can substitute the given group of words.

A living organism that steals nourishment from other living beings

(a) Vector
(b) Parasite
(c) Insect

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(d) Co - Dependent

Q83. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

She works for eight hours every weekday.

(a) for eight hourly
(b) for eighth hours
(c) of eighth hour
(d) No improvement

Q84. Select the appropriate synonym for the underlined word.

"Little Red Riding Hood" is a fairy tale.

(a) document
(b) fact
(c) tail
(d) story

Q85. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Neither teachers or the principal revolted against the new education policy.

(a) the new education policy.
(b) the principal revolted against
(c) No error
(d) Neither teachers or

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

After a rejection, we tend to beat ourselves up over the things that might have (1) ____ us to be rejected - and might even end up dwelling on these negative (2) __, a process called rumination. This habit, however, inevitably causes us to (3) __ worse. "The first thing a lot of people do when they get rejected is to be unkind to (4) __, and they start coming up with all kinds of ideas about what's (5) ____ with them," Gottlieb notes.

Q86. Select the most appropriate option to fill in the blank No. 1.

(a) lead
(b) led
(c) leading
(d) let

Q87. Select the most appropriate option to fill in the blank No. 2.

(a) endurance
(b) formalities
(c) emotions
(d) stoppages

Q88. Select the most appropriate option to fill in the blank No. 3.

(a) feel
(b) swirl
(c) share
(d) recognize

Q89. Select the most appropriate option to fill in the blank No. 4.

(a) himself
(b) yourself
(c) themselves
(d) itself

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Q90. Select the most appropriate option to fill in the blank No. 5.

(a) strong
(b) taming
(c) syncing
(d) wrong

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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