# SSC MTS (2022) Official Paper (Held On: 19 Jun, 2023 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

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Practise under exam conditions, then review your answers after you submit.

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## SESSION 1

**Q1.** The population of a small town decreased from 18,000 to 15,000 due to breakout of an epidemic. What is the percentage decrease in the population?

**(a)** 17%
**(b)** 16.66%
**(c)** 16.99%
**(d)** 16.5%

**Q2.** Seven friends spent Rs. 16 each on a project and the eighth friend spent Rs. 35 more than the average expenditure of all eight of them. What is the total money spent by them?

**(a)** Rs. 168
**(b)** Rs. 148
**(c)** Rs. 176
**(d)** Rs. 160

**Q3.** A merchant marks the price of his article 20 percent above the cost price. He gives some discount on it and earns a profit of 10 percent. What is the discount percentage?

**(a)** 8.33 percent
**(b)** 10 percent
**(c)** 12.5 percent
**(d)** 9.09 percent

**Q4.** Solve: 11 × 3 + (45 ÷ 9) + (72 ÷ 8) - 5 + 4

**(a)** 46
**(b)** 45
**(c)** 48
**(d)** 44

**Q5.** There is a rectangular garden of 220 metres × 70 metres. A path of width 4 metres is built around the garden. What is the area of the path?

**(a)** 2472 metre²
**(b)** 2162 metre²
**(c)** 1836 metre²
**(d)** 2384 metre²

**Q6.** P1 is 4 times as efficient as P2 and together they complete a work in 16 days. How many days will P1 alone take to complete the same work?

**(a)** 25 days
**(b)** 18 days
**(c)** 20 days
**(d)** 30 days

**Q7.** In the table the population of country A, B and C is given. Which country has the minimum total of population of all the years together?

| Year | Country A | Country B | Country C |
|---|---|---|---|
| 2014 | 5000 | 8000 | 11000 |
| 2015 | 10000 | 8000 | 14000 |
| 2016 | 11000 | 9000 | 13000 |
| 2017 | 12000 | 9000 | 16000 |
| 2018 | 9000 | 11000 | 14000 |

**(a)** A and B
**(b)** A
**(c)** B
**(d)** C

**Q8.** A hemispherical bowl of internal diameter 24 cm is full of a liquid. This liquid is to be filled into cylindrical bottles each of radius 4 cm and height 18 cm. How many such bottles are required to empty the bowl?

**(a)** 4
**(b)** 2
**(c)** 5
**(d)** 7

**Q9.** Mukesh sells two shirts. The cost price of the first shirt is equal to the selling price of the second shirt. The first shirt is sold at a profit of 20 percent and the second shirt is sold at a loss of 20 percent. What is the ratio of the selling price of the first shirt to the cost price of the second shirt?

**(a)** 18 : 25
**(b)** 24 : 25
**(c)** 27 : 50
**(d)** 97 : 100

**Q10.** If the simple interest on a certain sum of money at 6% per annum for 8 years is Rs. 4041.60, then the sum is:

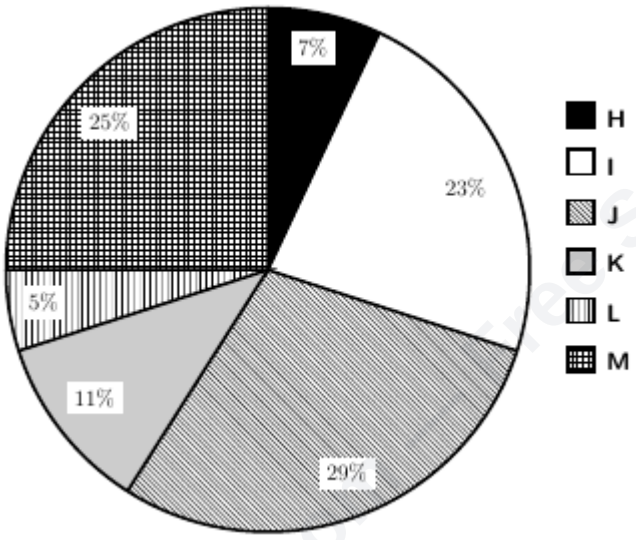
**(a)** Rs. 7850
**(b)** Rs. 6980
**(c)** Rs. 8680
**(d)** Rs. 8420

**Q11.** In a certain school, the ratio of boys to girls is 5 : 7. If there are 2400 students in the school, then how many girls are there?

**(a)** 1000
**(b)** 1200
**(c)** 1600
**(d)** 1400

**Q12.** 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 6000. Number of students studying in a particular school is shown as a percentage of total number of students studying in all these six schools.

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Number of students studying in school H, I and K together is how much percent less than the number of students studying in school J, L and M together?

**(a)** 25.5 percent
**(b)** 30.5 percent
**(c)** 45.5 percent
**(d)** 35.5 percent

**Q13.** What is the value of (49/63 ÷ 21/9-85/510+88/132 ÷ 66/11)/(1/7 ÷ 33/21+26/143-1/209 ÷ 1/19) ?

**(a)** 13/46
**(b)** 55/39
**(c)** 44/13
**(d)** 55/36

**Q14.** A boat travels in upstream from point P to Q for 6 hours and while returning travels in downstream from point Q to R for next 6 hours. If the distance between points P and R is 72 km, then what is the speed of the stream?

**(a)** 6 km/hr
**(b)** 14 km/hr
**(c)** 10 km/hr
**(d)** 12 km/hr

**Q15.** A man buys 8 pens for a rupee. How many pens should he sell for a rupee to earn a profit of 60 percent?

**(a)** 3
**(b)** 6
**(c)** 5
**(d)** 4

**Q16.** What will be the simple interest on a principal of Rs. 2250 for 5 years at the rate of 6 percent per annum?

**(a)** Rs. 675
**(b)** Rs. 625
**(c)** Rs. 715
**(d)** Rs. 725

**Q17.** What is the average of squares of first 13 natural numbers?

**(a)** 74
**(b)** 63
**(c)** 72
**(d)** 65

**Q18.** Rima can do a work in 1 day and Bhavik can do the same work in 20 hours. In how much time they will finish the work together?

**(a)** 100/7 hours
**(b)** 100/11 hours
**(c)** 120/7 hours
**(d)** 120/11 hours

**Q19.** A box consists of 5 rupees, 2 rupees and 1 rupee coins and their total values are in the ratio of 10 : 6 : 3 respectively. If there are total 256 coins, then how many 5 rupees coins are there in the box?

**(a)** 64
**(b)** 60
**(c)** 84
**(d)** 72

**Q20.** What is the value of 98 + 28 ÷ 7 + 4 - 91 ÷ 13 × 7 × 2?

**(a)** 16
**(b)** 12
**(c)** 20
**(d)** 8

**Q21.** Five friends Anthony, Bunty, Giridhar, Rahul and Tarun are arranged in a row facing north but not necessarily in the same order. Bunty sits at left end of the row. Only two people are sitting between Anthony and Giridhar. Anthony sits immediate next to the Bunty and Rahul sits second to the right of Bunty. Who sits between Rahul and Giridhar?

**(a)** No one
**(b)** Tarun
**(c)** Bunty
**(d)** Anthony

**Q22.** Two Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some facebook are WhatsApp.

All messenger are WhatsApp.

Conclusions:

I. All WhatsApp are messenger.

II. Some facebook are messenger.

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

**Q23.** In a certain code language, 'BOOM' is coded as 'YLLN'. What is the code for 'MOVE' in that code language?

**(a)** MLFV
**(b)** NLFU
**(c)** NLEV
**(d)** NMFV

**Q24.** If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

5 A 3 C 4 B 2 = ?

**(a)** 9
**(b)** 0
**(c)** 3

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**(d)** -4

**Q25.** In the following question, select the missing number of the given series.

84, 95, 107, 120, 134, ?

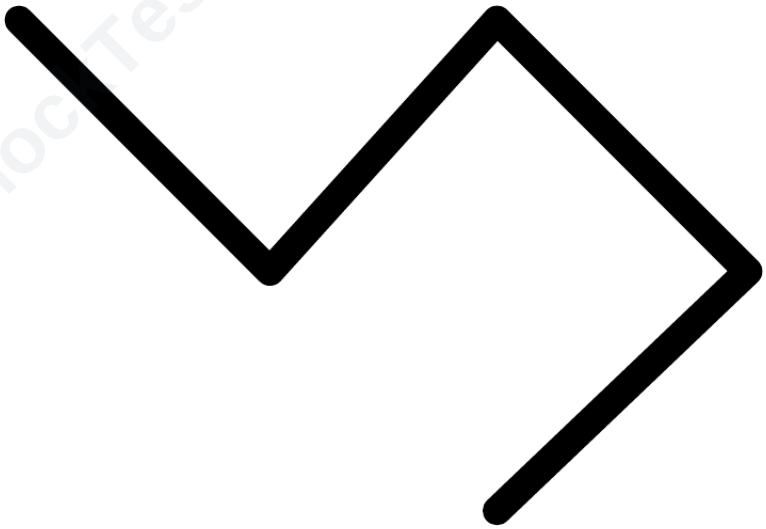
**(a)** 149
**(b)** 150
**(c)** 154
**(d)** 151

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

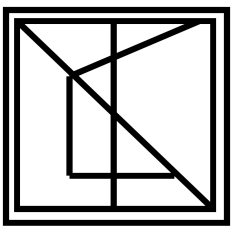
Pharmacist : Medicine :: Optician : ?

**(a)** Sinks
**(b)** Eyeglasses
**(c)** Planes
**(d)** Legal Matters

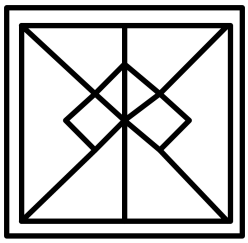
**Q27.** Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



**(a)**

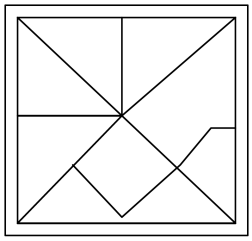


**(b)**

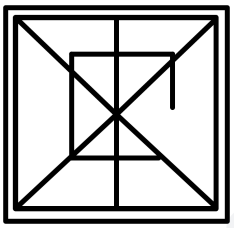


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**(c)**



**(d)**



**Q28.** A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ARP, BUQ, CXR, DAS, ?

**(a)** EET
**(b)** EDT
**(c)** EDU
**(d)** FDT

**Q29.** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

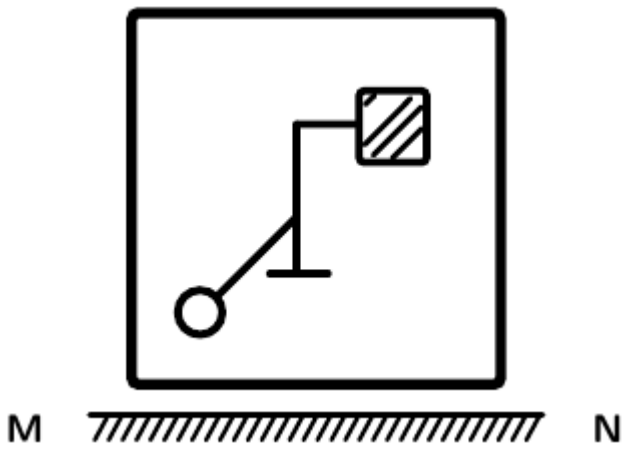
First row - 8, 32, 64

Second row - 7, 28, 56

Third row - 12, 48, ?

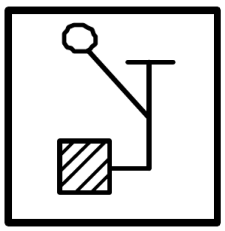
**(a)** 96
**(b)** 58
**(c)** 55
**(d)** 48

**Q30.** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

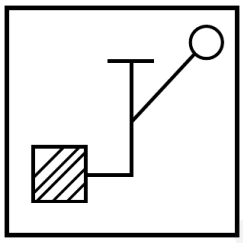



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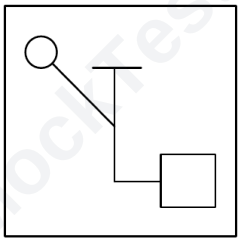
**(a)**



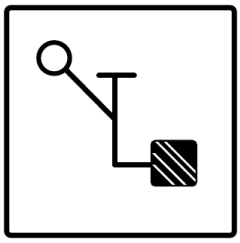
**(b)**



**(c)**



**(d)**



**Q31.** In a certain code language, 'CARE' is written as '27'. How will 'BLUE' be written in that language?

**(a)** 45
**(b)** 70
**(c)** 40
**(d)** 50

**Q32.** Among five friends Poonam, Neha, Rekha, Shruti and Twinkle, Twinkle is taller than only three other friends. Rekha is tallest among all friends. Neha is taller than only one person. Only two persons are taller than Poonam. Who is the shortest among all the friends?

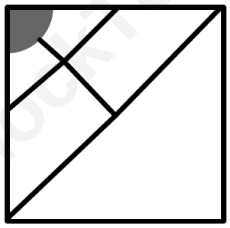
**(a)** Neha
**(b)** Twinkle
**(c)** Shruti
**(d)** Poonam

**Q33.** Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

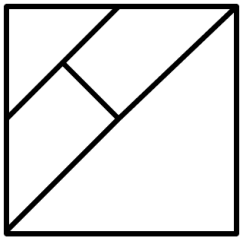
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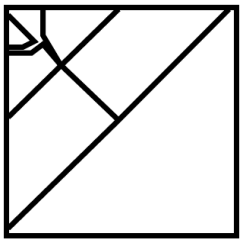

**(a)**



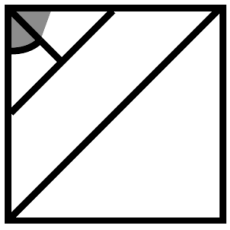
**(b)**



**(c)**



**(d)**



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**Q34.** In a certain code language, 'VIOLATES' is written as 'TALOVIES'. How will 'VELVETIN' be written in that language?

**(a)** TEVLVEIN
**(b)** TEVLTASE
**(c)** TEVLAETS
**(d)** TEVLSEAT

**Q35.** Select the option that is related to the third word in the same way as the second word is related to the first word.

Refrain : Abstain :: Demolish : ?

**(a)** Improve
**(b)** Destroy
**(c)** Create
**(d)** Blend

**Q36.** If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

59 C 48 A (66 D 3) B 4 = ?

**(a)** 94
**(b)** 82
**(c)** 79
**(d)** 99

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

542 : 33 :: 274 : ?

**(a)** 46
**(b)** 39
**(c)** 36
**(d)** 42

**Q38.** 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 L are M.

II. No N is M.

Conclusion:

I. Some N are L.

II. No M is L.

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

**Q39.** Which of the following numbers will replace the question mark (?) in the given series?

109, 190, 239, 264, 273, ?

**(a)** 275
**(b)** 278
**(c)** 274
**(d)** 276

**Q40.** Eight friends Katrina, Kareena, Madhuri, Juhi, Rani, Aish, Preeti, and Kajol sit in a row facing north. Kareena and Kajol sit at the either end of the rows not necessarily in the same order. Aish sits exactly in between Juhi and Madhuri. Only two friends sit to the left of Aish. Rani sits to the immediate right of Preeti. Only one person sits to the right of Katrina. Who sits fifth from the left?

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**(a)** Rani
**(b)** Madhuri
**(c)** Preeti
**(d)** Juhi

## SESSION 2

**Q41.** Which Indian classical dance is distinguished by elaborately colourful makeup and unique face masks reflecting age-old martial arts prevalent in the state of Kerala?
**(a)** Mohiniyattam
**(b)** Kuchipudi
**(c)** Kathakali
**(d)** Odissi

**Q42.** Which of the following is a complex permanent plant tissue?
**(a)** Collenchyma
**(b)** Xylem
**(c)** Apical meristems
**(d)** Lateral meristems

**Q43.** Which state government has introduced India's first elephant death audit framework?
**(a)** Tamil Nadu
**(b)** Odisha
**(c)** Andhra Pradesh
**(d)** Maharashtra

**Q44.** Which country introduced the game of cricket?
**(a)** South Africa
**(b)** New Zealand
**(c)** England
**(d)** India

**Q45.** Who among the following led the Chittagong Armoury Raid?
**(a)** Sardar Vallabhbhai Patel
**(b)** Surya Sen
**(c)** Vinayak Damodar Savarkar
**(d)** Rabindranath Tagore

**Q46.** The Dachigam National Park is located in which of the following states/union territories?
**(a)** Gujarat
**(b)** Karnataka
**(c)** Jammu and Kashmir
**(d)** Kerala

**Q47.** When was the 2^(nd) battle of Tarain fought?
**(a)** 1181
**(b)** 1175
**(c)** 1192
**(d)** 1186

**Q48.** Which of the following book is the autobiography of Dalai Lama?
**(a)** Touch Play
**(b)** Freedom in Exile
**(c)** Playing It My Way
**(d)** Red Sari

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**Q49.** What is the primary objective of the Graded Response Action Plan?

**(a)** To control air pollution
**(b)** To regularise illegal colonies
**(c)** To control cases of malaria
**(d)** To introduce electric vehicles

**Q50.** White light is composed of how many colours?

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

**Q51.** Which temple is also known by the name of Black Pagoda?

**(a)** Omkareshwar Temple, Puri
**(b)** Somnath Temple, Saurashtra
**(c)** Sun Temple, Konark
**(d)** Jagannath Temple, Hyderabad

**Q52.** The southern part of India lies within the _____ zone.

**(a)** Tropical
**(b)** Rainfall
**(c)** Temperate
**(d)** Polar

**Q53.** M.S. Gopalakrishnan mastered both Carnatic and Hindustani Classical music. He was a _____ maestro.

**(a)** Sitar
**(b)** Violin
**(c)** Sarangi
**(d)** Santoor

**Q54.** Guru Nanak Jayanti is observed annually on the full moon date of which month in the Hindu calendar?

**(a)** Asadha
**(b)** Chaitra
**(c)** Vaisakha
**(d)** Kartik

**Q55.** The average salinity of the oceans is _____ parts per thousand.

**(a)** 35
**(b)** 55
**(c)** 45
**(d)** 25

**Q56.** Officially, the first recorded statistics on transgenders were collected in which census in India?

**(a)** 2001
**(b)** 1981
**(c)** 2011
**(d)** 1991

**Q57.** According to the Indian constitution, who is the head of the Union?

**(a)** President of India
**(b)** Vice President of India
**(c)** Prime Minister of India
**(d)** Chief Justice of India

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**Q58.** Which article of Indian Constitution talks about Advocate-General for the State?

**(a)** 145
**(b)** 77
**(c)** 136
**(d)** 165

**Q59.** Which Turkish invader attacked and raided the temple of Somnath in 1025 AD?

**(a)** Muhammad Ghori
**(b)** Muhammad bin Tughluq
**(c)** Muhammad Bin Qasim
**(d)** Mahmud Ghazni

**Q60.** 'The Stars in My Sky : Those Who Brightened My Film Journey' is the second book of _____.

**(a)** Divya Dutta
**(b)** Neeti Mohan
**(c)** Amitabh Bachchan
**(d)** Sonam Kapoor

**Q61.** India first participated in the Olympics in _____.

**(a)** 1908
**(b)** 1904
**(c)** 1900
**(d)** 1922

**Q62.** Which among the following freedom fighters is regarded as the "Father of Modern India"?

**(a)** Raja Ram Mohan Roy
**(b)** Keshab Chandra Sen
**(c)** Baba Dayal Das
**(d)** Swami Vivekananda

**Q63.** A settlement in closely built area of dwellings, wherever flat land is available is called _____.

**(a)** Grid settlement
**(b)** Line settlement
**(c)** Scattered settlement
**(d)** Compact settlement

**Q64.** According to the Human Development Index (HDI) report, 2021-22, which country in the Indian subcontinent is the best performer?

**(a)** Bangladesh
**(b)** Sri Lanka
**(c)** Nepal
**(d)** Bhutan

**Q65.** _____ is the minimum amount of funds that the banks have to keep with the Reserve Bank of India (RBI) as deposits.

**(a)** Bank rate
**(b)** Cash Reserve Ratio
**(c)** Liquidity Adjustment Facility
**(d)** Repo rate

**Q66.** Direction: Select the most appropriate antonym of the given word.

Topple

**(a)** Plunge
**(b)** Fumble
**(c)** Steady

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**(d)** Tumble

**Q67.** Direction: Select the most appropriate word for the given group of words.

A small structure with one or more open sides that is used to vend merchandise

**(a)** Vendor
**(b)** Podium
**(c)** Stand
**(d)** Kiosk

**Q68.** Direction: Select the most appropriate word for the given group of words.

Partial or total loss of memory

**(a)** Ascetic
**(b)** Amnesia
**(c)** Atheist
**(d)** Axiom

**Q69.** Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The survival of theatre has depended on the creation of _____ formats.

**(a)** newly
**(b)** newer
**(c)** newest
**(d)** new

**Q70.** Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To get under one's skin

**(a)** To anger or irritate
**(b)** To behave foolishly
**(c)** To get nowhere
**(d)** To hide something

**Q71.** Direction: 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.

Both of us felt the relationship (wasn't really gone somewhere.)

**(a)** won't really gone that path
**(b)** No correction required
**(c)** wasn't really going anywhere
**(d)** was going that direction

**Q72.** Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

The baby's faces are expressionless and/ their pupils aren't visible which gives/ the appearance of lifelessness and dreadfulness.

**(a)** The baby's faces are expressionless and
**(b)** No error
**(c)** the appearance of lifelessness and dreadfulness.
**(d)** their pupils aren't visible which gives

**Q73.** Direction: Select the most appropriate option to fill in the blank.

The _____ mistake these couples made was not spending enough time seriously planning for a lifetime together in marriage.

**(a)** credulous
**(b)** enigmatic
**(c)** sporadic
**(d)** egregious

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**Q74.** Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Two border guards patrolling/the nearby frontier with Georgia have also/been reported missing from Friday night.

**(a)** Two border guards patrolling
**(b)** the nearby frontier with Georgia have also
**(c)** No Error
**(d)** been reported missing from Friday night.

**Q75.** Direction: Choose the incorrectly spelt word.

**(a)** Conssume
**(b)** Motive
**(c)** Horror
**(d)** Showing

**Q76.** Direction: Select the most appropriate meaning of the bracketed idiom in the given sentence.

Critics and Monday morning quarterbacks are (a dime a dozen), but it remains to be seen.

**(a)** Anything that is common and easy to get
**(b)** Avoiding the main topic, not speaking directly about the issue
**(c)** To force an issue that has already ended
**(d)** Stuck between two very bad options

**Q77.** Direction: Fill in the blank with the most appropriate option.

I have been on this project since the first day, hence I am responsible _____ it.

**(a)** for
**(b)** to
**(c)** from
**(d)** by

**Q78.** Direction: Choose the word that means the same as the given word.

Gala

**(a)** Carnival
**(b)** Funeral
**(c)** Mistakenly
**(d)** Moist

**Q79.** Direction: Select the appropriate synonym for the underlined word.

It can be easy to ignore people who are struggling and having a hard time.

**(a)** booming
**(b)** hustling
**(c)** claiming
**(d)** gliding

**Q80.** Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I don't want to get involved in these game of gambling.

**(a)** these game of gambling.
**(b)** I don't want to
**(c)** get involved in
**(d)** No error

**Q81.** Direction: Fill in the blank with the most appropriate option.

He is quite _____ and narrow.

**(a)** long
**(b)** stretched
**(c)** elongated
**(d)** tall

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**Q82.** Direction: Select the appropriate antonym for the underlined word.

There is a point at which fear may turn to insanity.

**(a)** Wisdom
**(b)** Frenzy
**(c)** Lunacy
**(d)** Absurdity

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

When I was a kid, I used to pretend to be a knight in King Arthur's court.

**(a)** used to pretends
**(b)** No improvement
**(c)** used to pretending
**(d)** use to pretend

**Q84.** Direction: Four sentences are given, out of which three have spelling errors. Choose the sentence with all the correctly spelled words.

**(a)** The whole thing is foriegn to us.
**(b)** It is demonstrably an unfair comparsion.
**(c)** There is a room at the extreme end of the corridor.
**(d)** I'm the sole victim of Mother's tyrany.

**Q85.** Direction: 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 was standing) at one end of a very long and splendid hall.

**(a)** They were standing
**(b)** They had been standed
**(c)** They were standed
**(d)** No correction required

**Directions**

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

Alkaline hydrolysis is rare today as a funeral ____ (1) __ for humans. Offered to the public for the first time just over a __ (2) __ ago, it is now permitted and regulated in 26 U.S. states, and practiced __ (3) __ in North America, where it remains unfamiliar to most people who __ (4) __ a loved one or who are thinking about what could __ (5) ____ to their own bodies when they die.

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

**(a)** Activity
**(b)** Proceeding
**(c)** Judgement
**(d)** Practice

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

**(a)** decade
**(b)** vintage
**(c)** period
**(d)** date

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

**(a)** primarily
**(b)** lastly
**(c)** approximately

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**(d)** manly

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

**(a)** lose
**(b)** have lost
**(c)** has lost
**(d)** loose

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

**(a)** syndicate
**(b)** happen
**(c)** curtail
**(d)** gravitate

## 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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