# SSC MTS (2022) Official Paper (Held On: 15 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.** A dining - set listed at Rs. 5000 is sold to a man at successive discounts of 20% and 10% by the shopkeeper. What is the selling price of the dining set?

**(a)** Rs. 3600
**(b)** Rs. 4800
**(c)** Rs. 1000
**(d)** Rs. 4000

**Q2.** 40 percent of the cost price of an article is equal to the 25 percent of its selling price. What is the profit percentage?

**(a)** 150 percent
**(b)** 120 percent
**(c)** 50 percent
**(d)** 60 percent

**Q3.** Ram travels at the speed of 15 km/hr, 10 km/hr and 12 km/hr for three equal distances. What is his average speed if the total distance travelled by him is 180 km?

**(a)** 15 km/hr
**(b)** 18 km/hr
**(c)** 20 km/hr
**(d)** 12 km/hr

**Q4.** When a sum of money was equally distributed among 50 children, each child received Rs. 80. If the same amount is equally distributed among another group of children such that each child get Rs. 50, then what is the number of children in the second group?

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

**Q5.** Mahesh and Suresh can complete a work alone in 20 days and 30 days respectively. They received Rs. 3300 for completing the work together. What is the share of Mahesh?

**(a)** Rs. 1720
**(b)** Rs. 2080
**(c)** Rs. 1800
**(d)** Rs. 1980

**Q6.** The sum of 10 numbers is 686. What is their average?

**(a)** 67.5
**(b)** 65.5
**(c)** 68.6
**(d)** 66.6

**Q7.** The compound interest on Rs. 60000 at 4% per annum is Rs. 4896. What is the time period in years?

**(a)** 3 years
**(b)** 1 year
**(c)** 4 years
**(d)** 2 years

**Q8.** Pinki and Rinki together can do a piece of work in 20 days. Rinki and Minki together can do it in 12 days while Pinki and Minki together can do it in 15 days. In how long can Rinki alone do it?

**(a)** 20 days
**(b)** 25 days
**(c)** 30 day
**(d)** 10 days

**Q9.** The following table shows the export of products by a company (in hundreds) in different countries for two years. Find the total export of products in Russia and India for both the years together.

| Countries | Export in 2018 | Export in 2019 |
|---|---|---|
| China | 440 | 400 |
| India | 320 | 280 |
| Japan | 340 | 330 |
| Australia | 480 | 460 |
| Korea | 210 | 260 |
| Russia | 180 | 190 |

**(a)** 97,000
**(b)** 99,000
**(c)** 88,000
**(d)** 96.000

**Q10.** A sphere of radius 18 cm is melted and then a solid cylinder of base radius 4 cm is made from it. What is the height of the solid cylinder?

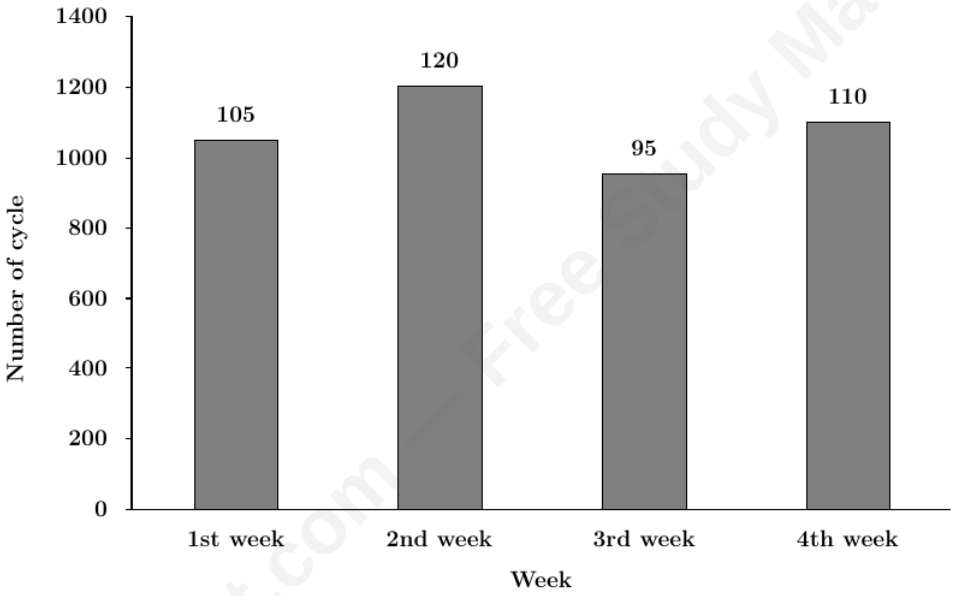
**(a)** 196 cm
**(b)** 486 cm
**(c)** 224 cm
**(d)** 384 cm

**Q11.** The difference between cost price and selling price is Rs. 143. If profit percentage is 26 percent, then what is the selling price?

**(a)** Rs. 603
**(b)** Rs. 676
**(c)** Rs. 693
**(d)** Rs. 713

**Q12.** The following bar graph shows the number of cycles produced in a factory during 4 consecutive weeks. What is the average number of cycles produced per week in these weeks?

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**(a)** 1120
**(b)** 1015
**(c)** 1075
**(d)** 1085

**Q13.** A metallic solid sphere has radius 28 cm. If it is melted to form small spheres of radius 3.5 cm, then how many small spheres will be obtained?

**(a)** 512
**(b)** 624
**(c)** 496
**(d)** 424

**Q14.** The population of a city decreased from 156940 to 141246 due to breakout of pandemic. What is the percentage decrease in population?

**(a)** 8%
**(b)** 10%
**(c)** 12%
**(d)** 15%

**Q15.** The total number of color blocks is 1260. If the ratio of red block to blue block is 2 : 5 and the ratio of blue block to yellow block is 15 : 7, then how many yellow blocks are there?

**(a)** 315
**(b)** 675
**(c)** 745
**(d)** 270

**Q16.** Krish takes as much time in running 24 meters as a bus takes in covering 72 meters. What will be the distance covered by Krish during the time the bus covers 4.8 km?

**(a)** 2.4 km
**(b)** 3.6 km
**(c)** 2.1 km
**(d)** 1.6 km

**Q17.** LCM of 5/33, 25/11, 20/55 and 15/77 is:

**(a)** 300/11
**(b)** 300/77
**(c)** 25/33
**(d)** 500/11

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**Q18.** Find the value of {20 of 4 + (40 - 14 + 30) - 84}.

**(a)** 55
**(b)** 50
**(c)** 52
**(d)** 44

**Q19.** The value of [-11 + 2 - 12 ÷ 4] × 5 is:

**(a)** 84
**(b)** 17
**(c)** -12
**(d)** -60

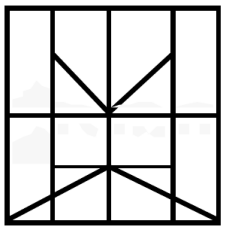
**Q20.** A sum of money at simple interest amounts to Rs. 800 in 3 years and to Rs. 900 in 4 years. The sum is:

**(a)** Rs.800
**(b)** Rs.600
**(c)** Rs.500
**(d)** Rs.700

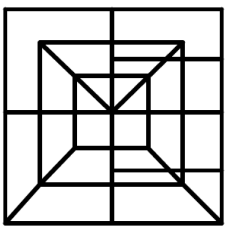
**Q21.** Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).




**(a)**

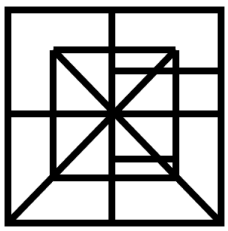


**(b)**

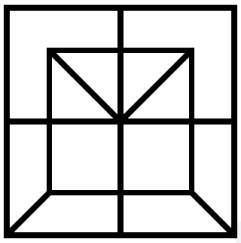


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**(c)**



**(d)**



**Q22.** Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

6 ÷ 48 + 12 × 9 - 7 = 35

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

**Q23.** Five girls Anjali, Beena, Chintu, Diksha and Shruti, are of different ages. Anjali is younger than only Diksha and Shruti. Shruti is younger to Diksha. Chintu is youngest. Who is the fourth oldest?

**(a)** Beena
**(b)** Chintu
**(c)** Diksha
**(d)** Shruti

**Q24.** Which two signs should be interchanged to make the given equation correct?

7 × 2 + 4 - 6 ÷ 3 = 12

**(a)** × and -
**(b)** = and ×
**(c)** • and +
**(d)** - and =

**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. Eg 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)

(17, 35, 72)

(13, 27, 56)

**(a)** (11, 24, 50)
**(b)** (15, 31, 64)
**(c)** (18, 36, 110)
**(d)** (12, 25, 50)

**Q26.** In a certain code language, 'MARS' is written as '51' and 'COLD' is written as '34'. How will 'ACID' be written in that language?

**(a)** 18
**(b)** 16
**(c)** 19

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**(d)** 17

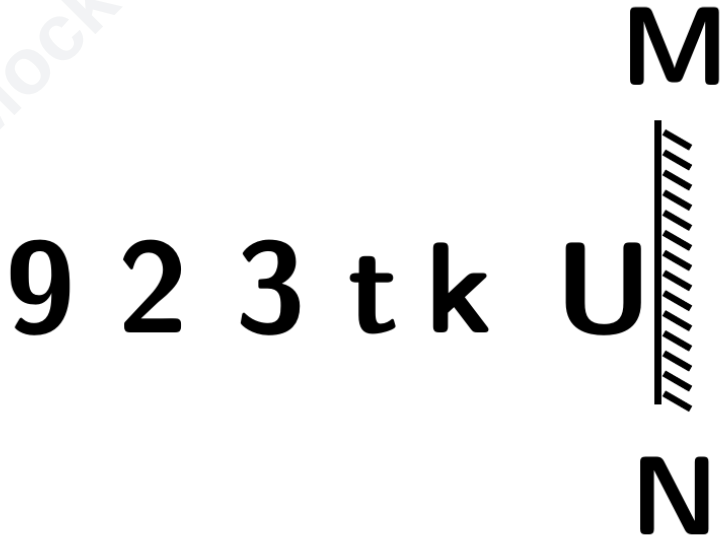
**Q27.** Five friends A, B, G, R and T are arranged in a row facing north but not necessarily in the same order. B sits at left end of the row. Only two people are sitting between A and G. A sits immediate next to the B and R sits second to the right of B. Who sits between R and G?

**(a)** No one
**(b)** B
**(c)** T
**(d)** A

**Q28.** In an examination hall seven students Ayaan, Chandan, Jatin, Kanika, Naina, Pinky, and Sweety are sitting in a row facing North but not necessarily in the same order. Chandan sits third to the right of Sweety. Ayaan and Pinky are immediate neighbours of Chandan. More than two persons sit between Pinky and Sweety. Jatin is the only neighbour of Naina. Jatin sits to the right of Ayaan. What is the position of Naina with respect to Kanika?

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

**Q29.** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.




**(a)**



**(b)**



**(c)**



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**(d)**



**Q30.** Select the option that is related to the third word in the same way as the second word is related to the first word.

Latin : Language :: Fencing : ?

**(a)** Vehicle
**(b)** Place
**(c)** Sport
**(d)** Disease

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

53, 54, 50, 59, 43, ?

**(a)** 68
**(b)** 61
**(c)** 18
**(d)** 58

**Q32.** Which of the following numbers will replace the question mark (?) in the given series?

47, 37, 29, 23, 19, ?

**(a)** 15
**(b)** 16
**(c)** 14
**(d)** 17

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

OD, LA, IX, FU, ?

**(a)** BR
**(b)** CS
**(c)** CR
**(d)** CT

**Q34.** Select the option that is related to the third number in the same way as the second number is related to the first number.

12 : 1730 :: 9 : ?

**(a)** 730
**(b)** 731
**(c)** 733
**(d)** 741

**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:

No astronomer is tall.

Some tall are handsome.

Conclusions:

I. Some astronomers are handsome.

II. No tall is an astronomer.

**(a)** Only conclusion II follows.
**(b)** Neither conclusion I nor II follow.

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**(c)** Only conclusion I follows.
**(d)** Both conclusions I and II follow.

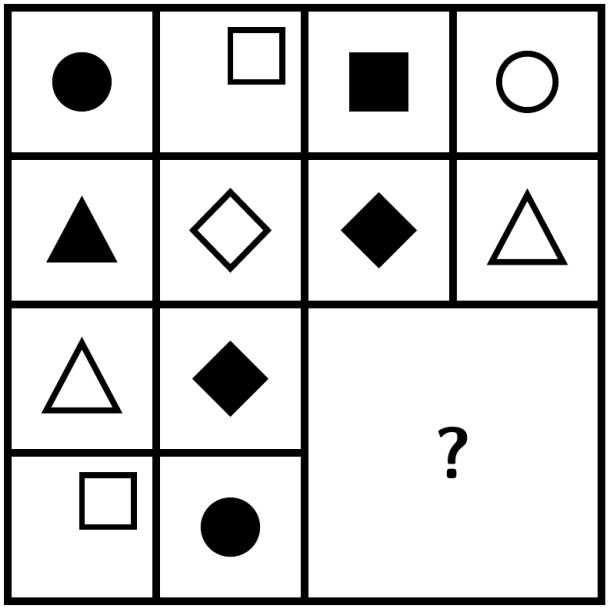
**Q36.** In a certain code language, 'CROWNED' is written as 'OWRCEND'. How will 'SERGENT' be written in that language?
**(a)** REGSNET
**(b)** RGESNET
**(c)** RGESENT
**(d)** REGSENT

**Q37.** In a certain code language, 'SLEEP' is written as 'TLEEQ'. How will 'DROWSY" be written in that language?
**(a)** ERWOSZ
**(b)** EROWSZ
**(c)** ERWOZS
**(d)** ROWSZQ

**Q38.** 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 crows are birds.
Some parrots are birds.
Conclusions:
I. No crow is a parrot.
II. Some crows are parrots.
**(a)** Only conclusion I follows.
**(b)** Either conclusion I or II follows.
**(c)** Both conclusions I and II follow.
**(d)** Only conclusion II follows.

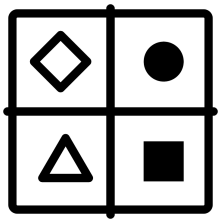
**Q39.** Select the option that is related to the third word in the same way as the second word is related to the first word.
Cat : Meow :: Birds : ?
**(a)** Hiss
**(b)** Chirp
**(c)** Neigh
**(d)** Growl

**Q40.** Select the option figure that will replace the question mark (?) in the figure given below to complete the pattem.

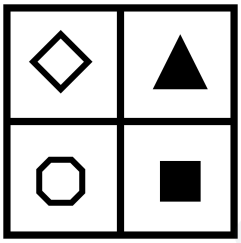



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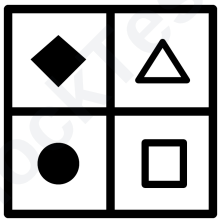
**(a)**



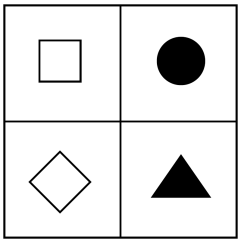
**(b)**



**(c)**



**(d)**



## SESSION 2

**Q41.** For how many years does the Indian Vice - President hold office?

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

**Q42.** Which among the following was the son of the Mughal emperor Shahjahan?

**(a)** Humayun
**(b)** Jahangir
**(c)** Aurangzeb
**(d)** Sikander Lodhi

**Q43.** Who popularised the 'Pandanallur Style' in Bharatanatyam and received Padma Bhushan in 2004?

**(a)** Kumari Kamala
**(b)** Madhuri Dixit
**(c)** Mallika Sarabhai
**(d)** Alarmel Valli

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**Q44.** Which type of friction is considered as a self - adjusting force?

**(a)** Kinetic Friction
**(b)** Centripetal Friction
**(c)** Rolling Friction
**(d)** Static Friction

**Q45.** Alluri Sitaram Raju was a tribal freedom fighter from state _____ of India.

**(a)** Maharashtra
**(b)** Gujarat
**(c)** Andhra Pradesh
**(d)** Bihar

**Q46.** SAI is the apex national sports body of India. What is the full form of SAI?

**(a)** Sports Association of India
**(b)** Sports Agency of India
**(c)** Sports Authority of India
**(d)** Sports Academy of India

**Q47.** Who among the following was a Shaka ruler in India (AD 130 - 150)?

**(a)** Bindusara
**(b)** Panduka
**(c)** Rudradaman
**(d)** Chashtana

**Q48.** Sam has an income of 9 lakh rupees yearly. Which tax slab (new regime) of India is applicable for him as per the new regime Income Tax Slab Rates FY 2021 - 22?

**(a)** 15%
**(b)** 20%
**(c)** 5%
**(d)** 10%

**Q49.** Which article of the Indian constitution talks about a uniform civil code?

**(a)** Article 352
**(b)** Article 44
**(c)** Article 14
**(d)** Article 370

**Q50.** Ustad Bismillah Khan was one of the greatest exponents of the _____.

**(a)** Flute
**(b)** Tabla
**(c)** Sitar
**(d)** Shehnai

**Q51.** According to census 2011, percentage of Urban population in India is _____.

**(a)** 25.6
**(b)** 21.6
**(c)** 31.16
**(d)** 35.6

**Q52.** The Bhagirathi river originates from Gaumukh Glacier. It meets the Alaknanda at Devprayag to form river _____.

**(a)** Ganga
**(b)** Ravi
**(c)** Saraswati
**(d)** Yamuna

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**Q53.** Name the brand under which all the fertilizers will be sold under the "One Nation One Fertilizer" scheme launched by the Prime Minister Narendra Modi?

**(a)** Bharti
**(b)** Bhartiya
**(c)** Bharatwasi
**(d)** Bharat

**Q54.** Gangaur is an Indian festival majorly celebrated in _____.

**(a)** Himachal Pradesh
**(b)** Rajasthan
**(c)** Arunachal Pradesh
**(d)** Tripura

**Q55.** _____ is the division of the cytoplasm of one eukaryotic cell into two daughter cells.

**(a)** Cytokinesis
**(b)** Sepsis
**(c)** Karyokinesis
**(d)** Genesis

**Q56.** The Indian Antarctic Bill, 2022 belongs to _____ Ministry of India.

**(a)** Earth Sciences
**(b)** Law and Justice
**(c)** External Affairs
**(d)** Tribal Affairs

**Q57.** Which city hosted the 2022 Winter Olympics?

**(a)** Milan
**(b)** Tokyo
**(c)** Beijing
**(d)** Melbourne

**Q58.** Which Indian state is home to the Buddhist cave temples known as Barabar Caves?

**(a)** Bihar
**(b)** West Bengal
**(c)** Sikkim
**(d)** Uttar Pradesh

**Q59.** Which state is the leading producer of sugar in India, as of May 2022?

**(a)** Maharashtra
**(b)** Uttar Pradesh
**(c)** Telangana
**(d)** Tamil Nadu

**Q60.** Which freedom fighter of India led the famous revolt of 1857 (sepoy mutiny) at Lucknow?

**(a)** Kasturba Gandhi
**(b)** Alluri Sitarama Raju
**(c)** Begum Hazrat Mahal
**(d)** Rani Lakshmi Bai

**Q61.** Pandit Lachhu Maharaj was primarily associated to which of the following dances?

**(a)** Odissi
**(b)** Manipuri
**(c)** Bharatnatyam
**(d)** Kathak

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**Q62.** The Windvane instrument measures the _____.

**(a)** relative humidity
**(b)** temperature
**(c)** wind velocity
**(d)** wind - direction

**Q63.** National Family Benefit Scheme was started in August _____ by Government of India.

**(a)** 1995
**(b)** 2000
**(c)** 2002
**(d)** 2005

**Q64.** Vertical distribution of different species occupying different levels in an ecosystem is called _____.

**(a)** stratification
**(b)** biomagnification
**(c)** coevolution
**(d)** decomposition

**Q65.** Which famous Indian author of 21st century wrote the novel 'The Immortals of Meluha (Shiva Trilogy)' ?

**(a)** Durjoy Datta
**(b)** Ravinder Singh
**(c)** Amish Tripathi
**(d)** Shashi Tharoor

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

Her evaluation will give / me a best indication of / where I stand in the class.

**(a)** where I stand in the class.
**(b)** Her evaluation will give
**(c)** No error
**(d)** me a best indication of

**Q67.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Know the ropes

**(a)** To break the rules
**(b)** To reveal a secret
**(c)** To understand the details
**(d)** To fight without any reason

**Q68.** Select the appropriate synonym for the underlined word.

The story shows the importance of self-esteem.

**(a)** pride
**(b)** humility
**(c)** disgrace
**(d)** shyness

**Q69.** Select the appropriate antonym for the underlined word.

I stare out into the really amazingly dark night.

**(a)** shockingly
**(b)** unusually
**(c)** astonishingly
**(d)** obviously

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**Q70.** Choose the word that can substitute the given group of words.

Someone who knows a lot about the arts, food, drink, or some other subject

**(a)** Pacifist
**(b)** Gourmand
**(c)** Cynic
**(d)** Connoisseur

**Q71.** Choose the word that is opposite in meaning to the given word.

Surrender

**(a)** Waive
**(b)** Stay
**(c)** Calm
**(d)** Withstand

**Q72.** Choose the sentence with no spelling error.

**(a)** You are going to figure out everything.
**(b)** You are going to figre out everything.
**(c)** You are going to figrue out everything.
**(d)** You are going to figure out everrything.

**Q73.** Choose the word that means the same as the given word.

Consecutive

**(a)** Successive
**(b)** Organized
**(c)** Important
**(d)** Executive

**Q74.** Choose the incorrectly spelt word.

**(a)** Molest
**(b)** Reflect
**(c)** Called
**(d)** Temparory

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

Can you please pass me that glittery pen black?

**(a)** pass me that
**(b)** glittery pen black?
**(c)** Can you please
**(d)** No error

**Q76.** A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Meteorologists are still _____ to understand sting jets.

**(a)** on work
**(b)** working
**(c)** worked
**(d)** works

**Q77.** In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

To scratch one's head

**(a)** To think hard in a puzzled way
**(b)** To think about good days
**(c)** To come up with an idea
**(d)** To lose all the wealth

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**Q78.** Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The teacher let the students choose there essay topics.

**(a)** No improvement
**(b)** has choose their
**(c)** chosen there
**(d)** choose their

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

Disturbing emotions begin to build into fear, and then _____.

**(a)** boldness
**(b)** terror
**(c)** server
**(d)** assurance

**Q80.** Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The Tagore House is rehearsing a skit for the school's Annual Day Function.

**(a)** has been rehearsing a skits
**(b)** was rehearse a skit
**(c)** is rehearsed an skit
**(d)** No improvement

**Q81.** A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I bowed to him, but he _____ not to see me.

**(a)** seems
**(b)** seeming
**(c)** seemingly
**(d)** seemed

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

A person who does not believe in God

**(a)** Atheist
**(b)** Iconoclast
**(c)** Lecher
**(d)** Highbrow

**Q83.** Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Their should be Lokpal to check corruption by the bureaucrats and politicians.

**(a)** Their should be Lokpal to
**(b)** No error
**(c)** the bureaucrats and politicians.
**(d)** check corruption by

**Q84.** 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".

The Yoruba was (one of the west African city - state culture).

**(a)** No substitution required
**(b)** one of the west African city - state cultures
**(c)** one of a west African city - state cultures
**(d)** one of the west's African city - state culture

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**Q85.** Select the most appropriate option to fill in the blank.

The researcher team took air _____ from the room every five minutes to rule out the possibility of a virus.

**(a)** instances
**(b)** slices
**(c)** samples
**(d)** droops

**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.

With Halloween only (1) ____ days away, I thought this was a perfect time to talk (2) __ Zombies. For years, zombies have dominated science (3) __ These creatures, the walking dead, don't (4) __ exist, right? Wrong! There are in fact several very real life diseases that could and can make you (5) ____ like a zombie.

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

**(a)** a little
**(b)** a few
**(c)** much
**(d)** little

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

**(a)** about
**(b)** of
**(c)** for
**(d)** by

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

**(a)** friction
**(b)** freelance
**(c)** fictions
**(d)** fickle

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

**(a)** manually
**(b)** gladly
**(c)** actually
**(d)** suddenly

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

**(a)** state
**(b)** slake
**(c)** run
**(d)** act

## 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 |

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| 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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