

**MEMORY BASED QUESTIONS**  
**SSC CHSL TIER-I : 16-April-2021****QUANTITATIVE APTITUDE**

1. The price of a cycle is Rs. 13400. If the loss percentage is 4% then what is the selling price of the cycle.

Ans: Rs.12864

2. The average age of 12 persons is 12 years and among them the average age of 11 persons is 11 years. Find the age of the 12th person.

Ans: 23 years

3. If  $x + y = 5$  and  $1/x + 1/y = 20/9$  then find the value of  $x^3 + y^3$ .

Ans: 365/4

4. A sum of Rs.12050 is lent in two parts at SI and CI at 10% p.a interest rate for 2 years such that both amounts become equal. Find the sum lent on CI.

Ans: Rs. 6000

5. In a circle with centre O, AB is the diameter. A point C on the circumference makes an angle  $\angle CAB = 42^\circ$ . Find the angle COB.

Ans:  $84^\circ$

6. The ratio of downstream speed to upstream speed is 5:2. If the boat takes 82 hours to cover 80 km downstream and 50 km upstream. Find the speed of the boat downstream.

Ans: 25 km/hr

7.  $x+y+z = 5$ ;  $1/x + 1/y + 1/z = 0$ ;  $xyz = 12$ ;  $x^3 + y^3 + z^3 = 161$ ; Find the value of  $x^2 + y^2 + z^2$ .

Ans: 25

8.  $\triangle ABC \sim \triangle DEF$ ;  $AB = 10$  cm,  $BC = 14$  cm,  $AC = 21$  cm; Find the length of side EF, if the ratio of areas of  $\triangle ABC$  and  $\triangle DEF$  is 49 : 4.

Ans: 4

9. If 30 workers can complete a task in 16 days, then 20 workers will do the same task in:

Ans: 24 days

10. The ratio of curved surface area and volume of a cylinder is 4 : 7. Find the radius of the base of the cylinder.

Ans: 3.5

11. The perimeters of two similar triangles are 72 cm and 43.2 respectively. Find the ratio of their areas.

Ans: 25 : 9

12.  $\cos(x-y) = \sqrt{3}/2$  and  $\sin(x+y) = 1/2$ ; Find the value of  $x$ .

Ans:  $30^\circ$

13.  $49a^2 + 25b^2 = 30$  and  $ab = 1$  then find the value of square of  $7a + 5b$ .

Ans: 100

14. If  $\tan x = 15$  then  $\sec x = ?$

Ans:  $\sqrt{226}$

15. If  $3p - 5m = 5$  and  $pm = 6$  then  $9p^2 - 25m^2 = ?$

Ans:  $\mp 5\sqrt{385}$

16.  $x + y = 5$  and  $x^2 + y^2 = 17$  then value of  $(x - y)^2 = ?$

Ans: 9

17. In a triangle ABC  $\angle B = 66^\circ$  and  $\angle C = 44^\circ$ . AB and AC is extended and external bisectors of  $\angle B$  and  $\angle C$  meet at O. Find the value of  $\angle BOC$ .

Ans:  $55^\circ$

18. The speed of downstream is 150% more than the upstream. It takes 8.2 hours to travel 80 km downstream and 50 km upstream. Find the speed of downstream.

Ans: 25

19. If  $49a^2 + 25b^2 = 30$  and  $ab = 1$  then find the value of  $7a + 5b$ .

Ans: 10

20.A do some work in 7 days and B do the same work in 12 days. They worked together for 3 days and the remaining work was completed by

C in 9 days. So, in how many days C will complete the work alone?

Ans. 28 Days

**MEMORY BASED REASONING QUESTIONS FOR SSC CHSL TIER-I**

**REASONING ABILITY**

**Q1. 64 : 729 :: 49: ?**

Ans. 512

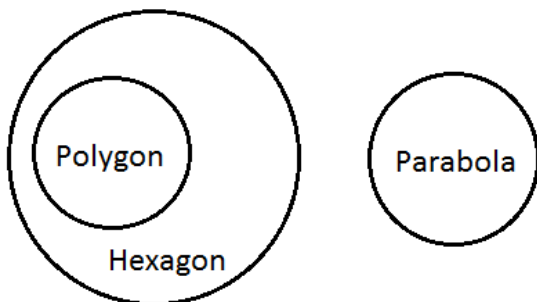
**Logic:**

$8^2 = 64: 9^3 = 729$

Similarly,  $7^2 = 49: 8^3 = 512$

**Q2. Venn Diagram - Hexagon, Polygon, Parabola**

Ans.



**Q3. Cube and Dice... opposite of 6?**

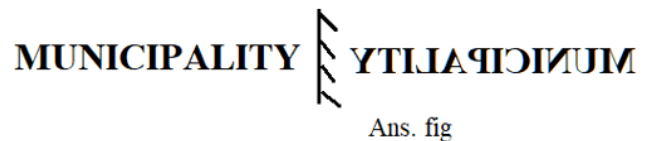
Ans...1

**Q4. Syllog: 3 statements : Book, pen and pencil**

**Q5. Missing number : 19,23,31, 41,47, ?**

Ans. 59 (logic:prime num)

**Q6. Mirror image:**



**Q7. Missing number:**

10	8	8	2	9	2
48		34			?

**Q8. Select the odd one out.**

**Q9. Series was given**

Sol. Logic: +23 in all but in odd one +22

**Q10. Coding and Decoding**

Word don't remember)

Ans.(**Logic:** write Opposite of VOWEL and double the CONSONANT.

**Q11. Question on topic - Mathematical operator**

Signs interchange

**Q12. Counting the triangle (Moderate)**

Ans. 15

Q13. Embedded fig

(3) c


Q14. Paper cutting and folding

(4) d

**Ans.** Option (4) **Difficulty – E**

Q15. Mirror image:

In part (d), “earthquakes” should be replaced with “earthquake”.

CHEMISTRY  YRTZIMENH

Ans. fig

## GENERAL ENGLISH

**Direction:** Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If there is no error, the answer is (5). Ignore errors of punctuation, if any.

1. After watching on the videotape (a)/ the officials were able to (b)/ corroborate the runner’s claim (c)/ of interference during the race. (d)

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

**Ans.** Option (1) **Difficulty – E**

In part (a), “on” should be removed.

Q2. According to the Red Cross (a)/ it will take months to (b)/ clean up the carnage left (c)/ by the Nepalese earthquakes. (d)

- (1) a
- (2) b

Q3. Prime Minister Narendra Modi said that (a)/ it is a matter of happiness that (b)/ no section of the country has stated (c)/ that the National Education Policy has any bias. (d)

- (1) a
- (2) b
- (3) c
- (4) No error

**Ans.** Option (5) **Difficulty – E**

There is no error in the sentence.

**Direction:** In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each question. Choose the correct alternatives which can fill up the blank spaces.

Q4. We will let you know when the goods \_\_\_\_\_ in stock.

- (1) will be
  - (2) are
  - (3) have been
  - (4) has
- Ans.** Option (1)

**Q5.** I have been waiting \_\_\_\_\_ over half an hour.

- (1) from
- (2) since
- (3) in
- (4) for

**Ans.** Option (4)

**Q6.** The author's love for democracy come \_\_\_\_\_ in the novel.

- (1) up
- (2) through
- (3) about
- (4) on

**Ans1.** Option (1)

**Direction:** *In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.*

**Q7.** ELASTIC

- (1) tight
- (2) stiff
- (3) flexible
- (4) strict

**Ans.** Option (3)

**Direction:** *In the following question, out of the four alternatives, choose the word*

*opposite in meaning to the given word.*

**Q8.** DEplete

- (1) exhaust
- (2) spend
- (3) drain
- (4) increase

**Ans.** Option (4)

**Direction:** *In the following questions, out of the given four words, one word is correctly spelled. Find the correctly spelt word.*

**Q9.**

- (1) Beligerent
- (2) Belegerent
- (3) Billigerent
- (4) Belligerent

**Ans.** Option (4) **Difficulty – E**

**Q10.**

- (1) Yatch
- (2) Yawt
- (3) Yacht
- (4) Yact

**Ans.** Option (3) **Difficulty –H**

**Q11.**

- (1) Equilibriem
- (2) Equilibrium
- (3) Equilibrum
- (4) Equalibriem

**Ans.** Option (2) **Difficulty – M**

**Direction:** *Choose the alternative which best expresses the*

*meaning of the given idiom/phrase.*

**Q12. In a Nutshell**

- (1) to lock a lawbreaker in prison
- (2) to interrupt someone who is speaking
- (3) to be brief and straight to the point
- (4) to lose something precious

**Ans.** Option (3)

**Q13. Hit the Bull's Eye**

- (1) to be exactly right about something
- (2) to take revenge on someone
- (3) to punch someone in the face
- (4) to do what one is asked to do

**Ans.** Option (1)

**Direction:** *In questions given below, out of the four alternatives, choose the one which can be substituted for the given words/sentences.*

**14.** Easily broken or damaged.

- (a) robust
- (b) fragile
- (c) stout
- (d) slender

**Ans.** Option (b)

**Direction:** *In each of the following sentences, one part of the sentence is written in bold and four alternatives are given*

*against each sentence. You need to select the alternative which makes the sentence grammatically correct and meaningful. If the sentence is already correct, mark Option (d) as your answer.*

**15.** The woman broke down when the police **told her that her son was** died.

- (a) told her that her son will have
- (b) tell her that her son had
- (c) told her that her son had
- (d) No correction required.

**Ans.** Option (c)

**16.** The firemen **had to broke into** the room to rescue the children.

- (a) had to break into
- (b) have to break into
- (c) had to breaking into
- (d) No correction required.

**Ans.** Option (a)

**Direction:** *A sentence has been given in Active/Passive Voice. Out of four alternatives suggested below, select the one which best expresses the same sentence in Passive/Active voice. Choose option (e) if no other option seems correct.*

**17.** I have already sent the

parcel.

- (a) The parcel was already sent by me.
- (b) The parcel is sent by me.
- (c) The parcel had already been sent by me.
- (d) The parcel has already been sent by me.
- (e) None of the above

**Ans. Option (d)**

**Direction:** A sentence has been given in direct/indirect speech. Out of four alternatives suggested below, select the one which best expresses the same sentence in indirect/direct speech. Choose option (e) if no other option seems correct.

18. She said, "The lady was coming."

- (a) She said that the lady had been coming.
- (b) She said that the lady has been coming.
- (c) She said that the lady was coming.
- (d) She said that the lady would have been coming.

**Ans. Option (a)**

**Direction :** Rearrange the following sentences A, B, C, D,

and E in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

**A.** Beginning from when Prime Minister Rajiv Gandhi set the ball rolling for the temple by permitting laying of its foundation stone.

**B.** Given the subsequent BJP-led agitation and lengthy legal dispute, there's no way politics and religion can be kept apart during this seminal event, to be attended by dignitaries led by Prime Minister Narendra Modi, RSS chief Mohan Bhagwat and UP chief minister Yogi Adityanath.

**C.** The Ram Mandir bhumi puja ceremony marks a culmination of over three decades of struggle by Sangh Parivar to claim the land where the Babri Masjid once stood.

**D.** India is now at a crossroads where it must focus all energies on development and economic progress, instead of frittering them away in pointless identity wars.

**E.** But this is also the moment to recognise that devotion to Lord Rama must dominate in the spiritual, religious and personal spheres, while politics branches off for other constructive pursuits.

**Q19.** Which of the following should be the **THIRD** sentence in the sequence?

- 1. A
- 2. C
- 3. E
- 4. B

**Ans. Option (4)**

The correct sequence of the sentence is **CABED**.

**Q20.** Which of the following should be the **INTRODUCTORY** sentence in the sequence?

1. B                      2. D  
3. E                      4. C

**Ans.** Option (4)

The correct sequence of the sentence is **CABED**.

**Directions :** In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each some alternatives are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case. If the appropriate word is not given, then choose option (e) as your answer.

The RBI's Monetary Policy \_\_\_\_ (1) \_\_\_\_ on Thursday was framed in the shadow of the interim budget and fiscal slippages. It was also the first policy review of the new RBI Governor. In the event, The RBI surprised the financial markets and many \_\_\_\_ (2) \_\_\_\_ by announcing a 25 basis points cut in its key policy rate, the repo rate, with two members of the Monetary Policy Committee, including the deputy governor charge of monetary policy, voting for keeping rates \_\_\_\_ (3) \_\_\_\_\_. Indeed the rate setting committee was \_\_\_\_ (4) \_\_\_\_\_

on shifting the policy stance of the Indian Central bank from calibrated tightening to \_\_\_\_ (5) \_\_\_\_\_, saying that it would provide the flexibility to meet evolving challenges on the growth front.

**21.** Which of the following will appropriately fill the **blank (1)**?

- (a) format  
(b) afoot  
(c) review  
(d) allay

**Ans1.** Option (c)

**22.** Which of the following will appropriately fill the **blank (2)**?

- (a) folk  
(b) analysts  
(c) authorities  
(d) politicians

**Ans2.** Option (b)

**23.** Which of the following will appropriately fill the **blank (3)**?

- (a) sieze  
(b) effective  
(c) high  
(d) unchanged

**Ans3.** Option (d)

**24.** Which of the following will appropriately fill the **blank (4)**?

- (a) unanimous  
(b) influenced  
(c) corrupt  
(d) uncocerned

**Ans4.** Option (a)

25. Which of the following will appropriately fill the **blank (5)**?

- (a) impersonal
- (b) emergent
- (c) doubtless
- (d) neutral

**Ans5. Option (d)**