

DO NOT OPEN THE SEAL OF THE BOOKLET UNTIL YOU ARE TOLD TO DO SO

# SSC CGL

## TEST SERIES

DATE- \_\_/\_\_/\_\_

DAY- \_\_\_\_\_

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 01

QUESTION- 100

MARKS- 200

NEGATIVE MARK- 0.50

DURATION- 60 MIN.

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through the examiner.
3. There are a total of 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.

6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out only with his permission after submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 2 marks will be given for each correct answer and 0.50 marks will be deducted for each wrong answer.



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Total: 100 Que.

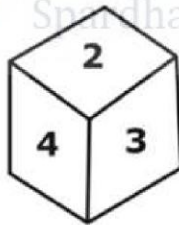
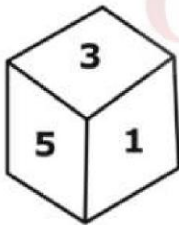
SSC CGL | Tier I | Mock Test 01

Time: 60 Min.

## General Intelligence & Reasoning

- 1). 10 years ago, the age of a father was  $3\frac{1}{2}$  times of the age of his son and after 10 years from now, the age of the father will be  $2\frac{1}{4}$  times of the age of his son. Now, how much is the total sum of the age of father and son?
- (a) 120 years (b) 115 years (c) 110 years  
(d) 100 years

- 2). Two different situations of the same dice are shown. If the number 6 is on the lower board, then what will be the number on the upper board?



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

- 3). Select the set in which the numbers are related in the same way as the numbers are related in the set below.  
(10, 18, 38)

- (a) (4, 12, 22) (b) (14, 12, 8) (c) (12, 22, 46)  
(d) (18, 6, 14)

- 4). Three from the following four numbers are somehow identical and one number is uneven. Select that uneven number.

- (a) 12 (b) 14 (c) 30 (d) 56

- 5). The way, in which the verb 'deed' is related to 'reaction', \_\_\_\_\_ is related to 'inciting'.

- (a) Foresight (b) Feedback (c) Response  
(d) Welcome

- 6). Select the option that is related to the third letter group in the same way as the second letter group is related to the first letter group.

BECD : YVXW :: DGEF : ?

- (a) WUTV (b) WTVU (c) VRTS (d) XUWV

- 7). From the given options, select the word pair whose two words are related to each other in the same way as the words of the word pair below are related.

Heat: Sun

- (a) House: Terrace (b) Vitamin: Fruit  
(c) Environment: Humidity (d) Ride: car

- 8). If BACK is coded as 11312 and CAKE as 51113. So how will MADE be coded?

- (a) 13145 (b) 54113 (c) 51413 (d) 31145

- 9). To correct the equation given below, which two symbols, should be mutated?

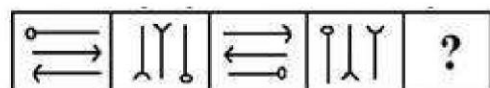
$$18 + 6 - 6 \div 3 \times 3 = 6$$

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

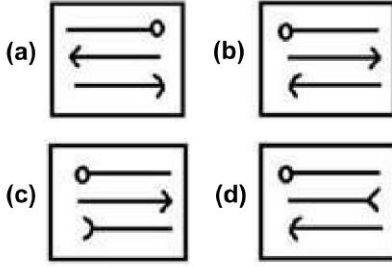
- 10). Three words out of the following four words are somehow similar and one word is uneven. Choose the odd word.

- (a) Tendency (b) Endurance (c) Stability  
(d) Persistence

- 11). Select the next figure in the following figure sequence.





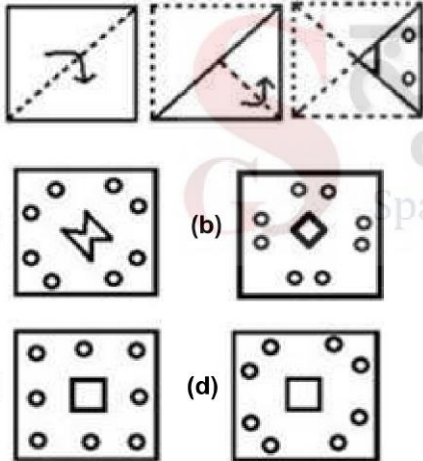


12). In the series given below, what number will replace the question mark (?)?

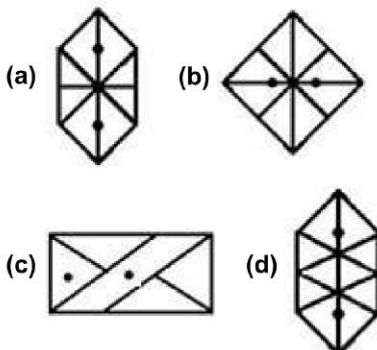
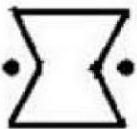
2, 5, 11, 23, 44, ?

(a) 77 (b) 63 (c) 51 (d) 66

13). A paper is folded and cut as shown below. What will it look like when open it?



14). Select the option in which the given figure is hidden.



15). Arrange the following words in a logical and meaningful sequence.

- 1) Medicine
- 2) Disease identification
- 3) Consultation
- 4) Disease
- 5) Health Benefits
- 6) Doctor

(a) 4, 6, 3, 2, 1, 5 (b) 2, 6, 4, 1, 3, 5

(c) 4, 6, 2, 3, 1, 5 (d) 4, 6, 1, 3, 2, 5

16). Select the letter combination that is placed sequentially on the blank spaces of the letter series given below to complete the given series.

ac\_d\_b\_cbdd\_a\_bddb

(a) Bdbca (b) Bdcab (c) Cdbbc (d) Bdabc

17). Four letter-clusters have been given, out of which three are like in some manner and one is different. Select the odd letter-cluster.

(a) TWUV (b) HNLJ (c) MSOQ (d) DGEF

18). Two statements are given below and then conclusions I, II and III are given. Assuming the statement to be true, even if it seems to be at variance from commonly known facts, you have to decide which of the given conclusions logically follows the given statements.

Statement :

Some cars are vehicles.

No vehicle is four wheeler.

Conclusion :

I. There are no cars that are four wheeler.

II. All four wheelers are cars.

III. Some vehicles are cars.

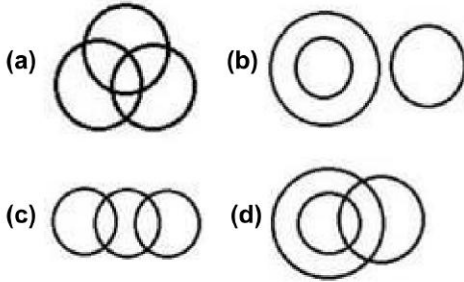
(a) Only conclusion I follows.

(b) Both conclusions I and II follow.

(c) Only conclusion II follows.

(d) Only conclusion III follows.

19). Identify the diagram that best represents the relationship among the given classes.  
Parents, rich people, farmers



20). P is father of Q and grandfather of R. R is brother of S. T is the mother of S and is married to V. T is sister of Q. How is V related to P?

- (a) Son (b) Nephew (c) Brother-in-law  
(d) Son-in-law

21). In a code language, TEMPLE is written as DKOLDS. In the same code language, how will be WORSHIP written as?

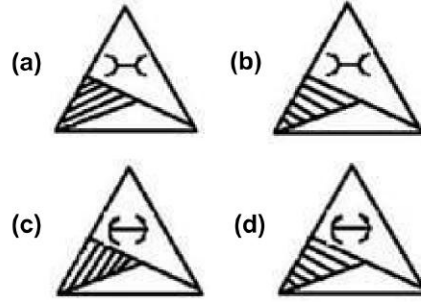
- (a) OHGRQNV (b) OGHQRVN (c) QJITSPX  
(d) VNQGHOR

22). Select the set in which the numbers are interlinked in the same way as the numbers are related in the set given below.

(7, 13, 21)

- (a) (12, 18, 25) (b) (17, 22, 30) (c) (9, 16, 25)  
(d) (2, 8, 16)

23). If the mirror is placed on the right side of the diagram given below, then select the right mirror image to be made.



24). Select the number pair in which the two numbers are related in the same way as the two numbers are related in the number pair given below.

4 : 32

- (a) 10:160 (b) 8:248 (c) 6:108 (d) 5:62

25). How many triangles are there in the given figure?



- (a) 18 (b) 16 (c) 14 (d) 20

## General Awareness

1). How many great powers (Mahajanapada) existed in the seventh and sixth centuries BCE during the life of Lord Gautama Buddha?

- (a) 11 (b) 13 (c) 17 (d) 16

2). Which of the following Articles of the Constitution of India is related to the Uniform Civil Code?

- (a) Article 44 (b) Article 46 (c) Article 45  
(d) Article 43

3). Name the first female Prime Minister of the world.

- (a) Indira Gandhi (b) Sirimavo Bandaranaike  
(c) Golda Meir (d) Elizabeth Domitien

4). Which panel set up by the Government of India has suggested the removal of complete control over Chinese industry?

- (a) Mr. Krishna Panel (b) Rang Rajan Panel  
(c) Ramsevak Panel (d) Radheshyam Panel

5). Where was the inauguration of Special Olympics World Summer Games on 2023?

- (a) Berlin (b) Sweden (c) Germany (d) Austria

6). Which is the traditional musical instrument of Limbu community of Sikkim?

- (a) Chutke (b) Naumati (c) Chyapat-Brugg  
(d) Gyurum Sili

7). Which country is hosting the BRICS foreign ministers' meeting in Cape Town(as of May 2023)?

- (a) Brazil (b) India (c) Russia (d) South Africa

8). Name the passage which is used by pilgrims in Uttarakhand for Kailash-Mansarovar Yatra.

- (a) Pensy La (b) Kurdung (c) Banihal Pass  
(d) Lipu Lekh

9). Buckminsterfullerene is an allotrope of which of the following?

- (a) Phosphorus (b) Iron (c) Carbon (d) Boron

10). Which of the following is aldehyde?

- (a) Propine (b) Propanone (c) Propenal  
(d) Propanol

11). Name the gland that controls the function of other endocrine glands.

- (a) Pancreas (b) Adrenal gland (c) Renal gland  
(d) Pituitary gland

12). Which of the following is not one of the monarchy states that existed in India in the seventh and early sixth centuries BC?

- (a) Magadha (b) Vaishali (c) Avanti (d) Kosala

13). Who was the first woman general secretary of SAARC (South Asian Association for Regional Cooperation)?

(a) Antino Guteres

(b) Jeremiah Nymanne Kingsley

(c) Madeleine Albright

(d) Fatimath Ghiyana Sayed

14). Which of the following was the Precursor of the Internet?

- (a) APNET (b) ANET (c) ARPANET (d) PANET

15). Which team won the Ranji Trophy final 2022?

- (a) Vidarbha (b) Punjab (c) Saurashtra  
(d) Delhi

16). Which of the following biosphere reserves was first established by the Government of India?

- (a) Sunderbans Biosphere Reserve  
(b) Gulf of Mannar Biosphere Reserve  
(c) Nanda Devi Biosphere Reserve  
(d) Nilgiri Biosphere Reserve

17). Name the state from the following which Chandragupta I had got in the dowry from Lichhavi.

- (a) Pataliputra (b) Prayag (c) Saket (d) Ujjain

18). Who was the founder of the Chalukya dynasty?

- (a) Pulakeshin I (b) Kirtivarman  
(c) Narasimhavarman (d) Mahendravarman

19). Which of the following public sector undertaking was given Maharatna status in 2013?

- (a) ONGC (b) BHEL (c) CIL (d) OIL

20). In which year Project Tiger was launched in India?

- (a) 1982 (b) 1992 (c) 1979 (d) 1973

21). \_\_\_\_\_ is collective folk dance, which is done in honor of Kanchanjanga, the Patron God of the people of Sikkim.



- (a) Jo-Mal-Lok (b) Tendon Low Rum Fat  
(c) Chu faat (d) Kinchum-Chu-Bomsa

22). Which of the following has a very strong aroma of the fruit?

- (a) Methanol (b) Ethyl Acetate  
(c) Methyl chloride (d) Methanoic acid

23). "What is the name of the first Indian budget carrier to join the International Air Transport Association (IATA)?"

- (a) Indigo (b) SpiceJet (c) Go Air  
(d) Jet Airways

24). The idea of residual powers in the Indian Constitution is derived from the \_\_\_\_\_ Constitution.

- (a) South Africa (b) America (c) Canada  
(d) Japan

25). "Which of the following states passed the Maintenance of Household Registers Bill?"

- (a) Odisha (b) Assam (c) Mizoram  
(d) West Bengal

The employees of our company are not \_\_\_\_\_ of their freedom.

- (a) deployed (b) denied (c) dissipated  
(d) deprived

4). Select the word that is opposite in meaning (ANTONYM) to the word given below.

AMASS

- (a) collect (b) horde (c) heap (d) distribute

5). Select the most appropriate synonym of the given word.

WARY

- (a) rash (b) inattentive (c) lax (d) alert

6). Select the most appropriate synonym of the given word.

RECEDE

- (a) increase (b) intensify (c) waver (d) wane

7). Choose the most appropriate option to change the voice (active/passive) form of the given sentence.

The chief guest gave prizes to the children.

- (a) The children were being given prizes by the chief guest.  
(b) The children are given prizes by the chief guest.  
(c) The children were given prizes by the chief guest.  
(d) The children was given prizes by the chief guest.

## English Comprehension

1). Select the alternative that will improve the underlined part of the sentence in case there is no improvement select No improvement.

The crowd wave feverishly when they saw their leader.

- (a) waving hard (b) wave well  
(c) No improvement (d) waved frantically

2). Select the word which means the same as the group of words given

The original inhabitants of a country

- (a) slaves (b) immigrants (c) aborigines  
(d) residents

3). Select the most appropriate option to fill in the blank.

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 blank.

The two men bowed to one (Q1) \_\_\_\_\_ and parted. D'Artagnan found himself in a difficult (Q2) \_\_\_\_\_. He was going to have to (Q3) \_\_\_\_\_ three duels in a (Q4) \_\_\_\_\_ of three hours. He thought, If they kill me, (Q5) \_\_\_\_\_ I shall be killed by a Musketeer.

8). Select the most appropriate option to fill blank no. 1

(a) each (b) other (c) self (d) another

9). Select the most appropriate option to fill blank no. 2

(a) location (b) relation (c) situation (d) station

10). Select the most appropriate option to fill blank no. 3

(a) figure out (b) think out (c) fight (d) fix

11). Select the most appropriate option to fill blank no. 4

(a) place (b) matter (c) gap (d) time

12). Select the most appropriate option to fill blank no. 5

(a) maximum (b) at least (c) least  
(d) even though

13). Select the most appropriate meaning of the idiom underlined in the sentence.

My aunt who orders everyone around is a pain in the neck.

(a) irritating (b) short tempered (c) curious  
(d) argumentative

14). Select the correctly spelt word.

(a) contrapsion (b) constuction (c) controversy  
(d) controdiction

15). Select the alternative that will improve the underlined part of the sentence in case there is no improvement select No improvement.

I experienced excruciating pain when the hammer fell on my foot.

(a) exciting pain (b) affable painning  
(c) strong pains (d) No improvement

16). Select the correctly spelt word.

(a) necassery (b) nesessary (c) necessary  
(d) necessery

17). Select the most appropriate option to fill in the blank.

The Prime Minister was \_\_\_\_\_ a ceremonial welcome.

(a) initiated (b) extended (c) expected  
(d) invited

18). Identify the segment in the sentence, which contains the grammatical error.

My grandmother has been lives in Shimla since her childhood days.

(a) has been lives (b) her childhood days  
(c) My grandmother (d) in Shimla since

19). Select the most appropriate antonym of the given word.

POROUS

(a) spongy (b) permeable (c) impermeable  
(d) absorbent

20). Choose the most appropriate option to change the narration (direct/indirect) of the given sentence.

A new student said to me, "Where is the Principal's office?"

(a) A new student asked me where the Principal's office is.  
(b) A new student asked me where is the Principal's office.  
(c) A new student said to me where the Principal's office was.  
(d) A new student asked me where the Principal's office was

21). Identify the segment in the sentence, which contains the grammatical error.

Very little metals are as precious as gold.

(a) as precious is (b) metals are (c) as gold  
(d) Very little

22). Select the most appropriate meaning of the idiom underlined in the sentence.

Please come to the point, don't beat around the bush.



- (a) avoid the topic (b) hide behind a bush  
(c) make excuses (d) accept defeat

23). Given below are four jumbled sentences.  
Pick the option that gives their correct order.

- A) Yes, first get us some fresh juice and some sandwiches.  
B) May I take your order?  
C) Not now, maybe a little later.  
D) Sure. Would you like some coffee too?

- (a) CDBA (b) ABCD (c) BADC (d) BCDA

24). Select the word which means the same as the group of words given.

One who treats skin diseases

- (a) dermatologist (b) radiologist (c) geologist  
(d) cardiologist

25). Given below are four jumbled sentences.  
Pick the option that gives their correct order.

- P. Then she does some gardening.  
Q. Finally before her mid-morning nap, she eats a light breakfast.  
R. My grandmother is an active eighty years old.  
S. She begins her morning with meditation.

- (a) RSQP (b) SRQP (c) RPQS (d) RSPQ

## Quantitative Aptitude

1).  $\left( \frac{\sin \theta - 2 \sin^3 \theta}{2 \cos^3 \theta - \cos \theta} \right)^2 + 1, \theta \neq 45^\circ$  is equal to:

- (a)  $\sec^2 \theta$  (b)  $2 \tan^2 \theta$  (c)  $\operatorname{cosec}^2 \theta$  (d)  $\cot^2 \theta$

2). Raju's income is 20% more than his expenditure. If his income increases by 60% and his expenditure increase by 70%, then what percentage of the savings will increase / decrease?

- (a) will decrease 2% (b) will decrease 10%  
(c) will increase 10% (d) will increase 2%

3). The ratio of competencies A, B and C is 4: 5:

3. On working together, all three of them complete work in 25 days. In how many days will both A and C together complete 35% of the work?

- (a) 18 days (b) 15 days (c) 12 days  
(d) 10 days

4). Renu bought an item for Rs.1,240 and sold it at a loss of 25%. With that amount, she bought another item and sold it for 40% profit. What percentage of profit did Renu get?

- (a) 12% (b) 5% (c)  $6\frac{2}{3}\%$  (d) 15%

5). The table shows the production (in thousands) of different types of cars.

years/ Cars	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	48	48	55

The total production of A type cars in year 2015 and C type cars in 2013 is approximately what percent of the total production of D type cars in five years?

- (a) 42.4 (b) 42.8 (c) 43.5 (d) 40.2

6). The table shows the production (in thousands) of different types of cars.

years/ Cars	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	48	48	55

What is the ratio of total production of C and E type cars in the year 2013 to D in 2014 and 2016 and total production of E type cars in 2017?

- (a) 8:13 (b) 8:11 (c) 13:32 (d) 5:8

7). Circles of radius 10 cm and 8 cm cut each other at points P and Q. PQ = 12 cm and the distance between the centers of the circle is x



cm, then the value of  $x$  (correct to 1 decimal place):

- (a) 14.8 (b) 12.8 (c) 13.9 (d) 13.3

8). The nominal value of an article is Rs. 315. It is sold for Rs. 288. If this leads to a loss of 4%, then what percentage of the item was marked more than the cost?

- (a)  $6\frac{1}{2}\%$  (b) 5% (c)  $5\frac{1}{2}\%$  (d) 8%

9). A takes 30 minutes longer than B to cover a distance of 15 km at a certain speed. However, if A doubles his speed, he covers the same distance in an hour less time than B. What is the speed of B (in km / h)?

- (a) 5 (b) 6 (c)  $6\frac{1}{2}$  (d)  $5\frac{1}{2}$

10). The average weight of some students in a class is 68.5 kg. If four new students of 72.2 kg, 70.8 kg, 70.3 kg, 66.7 kg are enrolled in the class, the average weight of students increases to 300 g. Initially, how many students were there in the class?

- (a) 11 (b) 26 (c) 21 (d) 16

11). If  $16x + 9y^2 + 4z^2 = 24(x - y + z) - 61$ , then the value of  $(xy + 2z)$  will be:

- (a) 1 (b) 2 (c) 5 (d) 3

12). If  $x$  is subtracted from each of 23, 39, 32 and 56, then the numbers obtained in this sequence are in proportion. What will be the mean proportional between  $(x + 4)$  and  $(3x + 1)$ ?

- (a) 10 (b) 15 (c) 14 (d) 12

13). If  $[8(x + y)^3 - 27(x - y)^3] \div (5y - x) = Ax^2 + Bxy + Cy^2$ , then, value of  $(A + B + C)$  will be:

- (a) 26 (b) 19 (c) 13 (d) 16

14). A circle with center 'O' is drawn inside a triangle ABC. On increasing AO, it meets the circle on K and  $AD \perp BC$ . If  $\angle B = 80^\circ$  and  $\angle C = 64^\circ$ , then the measure of  $\angle DAK$  is:

- (a) 10 (b) 12 (c) 20 (d) 8

15). In  $\triangle ABC$ ,  $AD \perp BC$  and  $BE \perp AC$ . AD and BE cut each other at F. If  $BF = AC$ , what will be the measure of  $\angle ABC$ ?

- (a) 60 (b) 45 (c) 50 (d) 70

16).  $\triangle ABC$  is similar to  $\triangle DEF$ . The area of  $\triangle ABC$  is  $100 \text{ cm}^2$  and the area of  $\triangle DEF$  is  $49 \text{ cm}^2$ . If  $\triangle ABC$ 's altitude is 5 cm, then  $\triangle DEF$  will have corresponding altitude:

- (a) 4.5 cm (b) 6cm (c) 7 cm (d) 3.5 cm

17). The table shows the production (in thousands) of different types of cars.

years/ Cars	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	48	48	55

In the year 2013, 2014, 2015 and 2017, the total production of B type cars is how much percent less than the total production of all types of cars in the year 2017? (Correct to 1 decimal place)

- (a) 15.8 (b) 17.6 (c) 18.2 (d) 18.4

18). The table shows the production (in thousands) of different types of cars.

years/ Cars	2013	2014	2015	2016	2017
A	35	40	48	50	36
B	39	45	54	60	72
C	52	25	32	54	45
D	50	42	45	46	47
E	36	46	48	48	55

If the figures related to the production of B type cars are represented by a circle diagram (pie chart), then the central angle of the sector showing the production of cars in 2016 will be:

- (a) 72 (b) 60 (c) 96 (d) 80

19). If  $0^\circ < \theta < 90^\circ$  and  $\cos^2 \theta = 3(\cot^2 \theta - \cos^2 \theta)$ , then the value of  $\left(\frac{1}{2} \sec \theta + \sin \theta\right)^{-1}$  will be:

- (a)  $2(-1)$  (b) + 1 (c) + 2 (d)  $2(2 - )$

20). If,  $\cos \theta = \frac{2p}{1+p^2}$ , then  $\tan \theta$  is equal to:

- (a)  $\frac{p^2}{1+p^2}$  (b)  $\frac{1-p^2}{1+p^2}$  (c)  $\frac{2p}{1-p^2}$  (d)  $\frac{1-p^2}{2p}$

21). The value of  $[5 \div 5 \text{ of } 5 \times 2 + 2 \div 2 \text{ of } 2 \times 5 - (5 - 2) \div 6 \times 2]$  is:

- (a)  $\frac{9}{5}$  (b) 19 (c)  $\frac{23}{2}$  (d)  $\frac{19}{10}$

22). If the number of eight digits is 789x531y, the number is divisible by 72, then the value of  $(5x - 3y)$  will be:

- (a) 0 (b) -1 (c) 1 (d) 2

23). At a compounded interest rate of 10% per annum, the interest is Rs. 1,623 in  $2\frac{1}{2}$  years, when interest is annually combined. What is the amount?

- (a) Rs.5,000 (b) Rs.6,000 (c) Rs.7,200  
(d) Rs.6,500

24). If  $x + y + z = 19$ ,  $xy + yz + zx = 114$ , then the value of  $\sqrt{x^3 + y^3 + z^3 - 3xyz}$  will be:

- (a) 17 (b) 13 (c) 19 (d) 21

25). A cuboidal tank measuring 10 m  $\times$  8 m  $\times$  6 m with a circular hole of one-meter diameter on top, how much of iron sheets ( $m^2$ ) will be needed to make such a tank? (Correct to 1 decimal place)

- (a) 370.4 (b) 371.6 (c) 375.2 (d) 370.8