

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 02

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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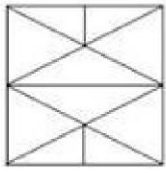
Total: 100 Que.

SSC CGL | Tier I | Mock Test 02

Time: 60 Min.

## General Intelligence & Reasoning

- 1). How many triangles are present in the given figure?



- (a) 28 (b) 26 (c) 22 (d) 30

- 2). A recent survey of married couples in Indian metro cities showed that 20% of the couples have only one child, 45% of the remaining couples have two children, and the rest of the couples have three or more children. What is the percentage of couples with three or more children?

- (a) 35% (b) 44% (c) 42% (d) 56%

- 3). Select the correct combination of mathematical signs to sequentially replace the \* signs, to balance the following equation.

$$(12 * 7 * 6) * 13 * 6$$

- (a)  $\times, -, \div, =$  (b)  $-, \div, \times, =$  (c)  $\div, -, =, \times$   
(d)  $\times, =, \div, -$

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

Jackal : Howl :: Rain : ?

- (a) Patter (b) Drops (c) Hustler (d) Thunder

- 5). Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.

\_ swws \_ wwww \_ swww \_ sss

- (a) w, s, s, s (b) w, s, w, s (c) w, w, s, s  
(d) w, s, s, w

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

7	11	14
53	127	?
4	6	3

- (a) 196 (b) 169 (c) 200 (d) 199

- 7). The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



- (a) (b)   
(c) (d)

- 8). In a certain code language, LARVAE is coded as 15-1-9-5-1-2. How will INSECT be coded as in that language?

- (a) 3-13-8-2-24-7 (b) 18-13-8-2-24-7  
(c) 3-13-8-22-24-7 (d) 9-13-8-22-24-7

- 9). Select the letter-cluster that can replace the question mark (?) in the following series.

DAC, GWH, JSM, MOR, ?

- (a) PJV (b) QKV (c) PKW (d) QJW

- 10). Select the option in which the words share the same relationship as that shared by the

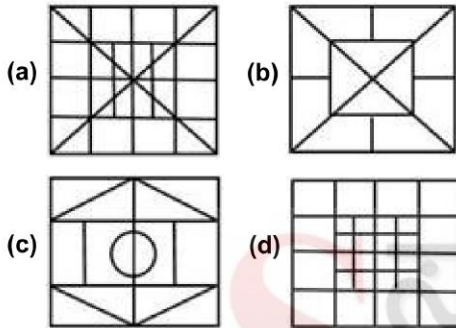
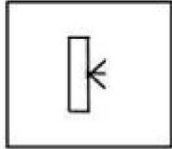


given pair of words.

Hive : Bee

- (a) Burrow : Hare (b) Sty : Dog (c) Eyrie : Bear  
(d) Stable : Cow

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



- 12). Arrange the following words in the order in which they appear in an English dictionary.

- 1) Gemlike  
2) Geminat  
3) Gemmier  
4) Geminal  
5) Gemini

- (a) 4, 2, 5, 1, 3 (b) 4, 3, 2, 1, 5 (c) 4, 5, 2, 1, 3  
(d) 3, 5, 4, 1, 2

- 13). Arsh is Shivam's father and Dhruv is the son of Bimla. Eshwar is the father of Arsh. If Shivam is the brother of Dhruv, how is Bimla related to Eshwar?

- (a) Daughter-in-law (b) Wife (c) Sister-in-law  
(d) Mother

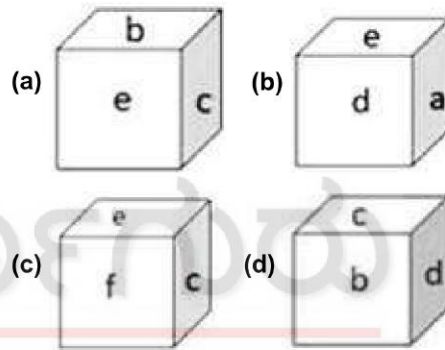
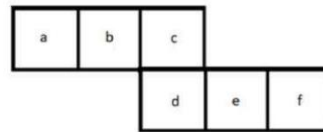
- 14). In a certain code language, STRAIGHT is written as TSARGITH. How will THURSDAY be written as in that language?

- (a) HTRUDSYA (b) HTRUDSAY (c) AYS DURTH  
(d) UHTDRSYA

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

- (a) TSR (b) NML (c) FGH (d) YXW

- 16). Select the box that CANNOT be formed by folding the given unfolded box.



- 17). Select the option in which the numbers are related in the same way as are the numbers in the given set.

(109, 114, 139)

- (a) (313, 318, 343) (b) (268, 302, 237)  
(c) (419, 424, 439) (d) (579, 534, 549)

- 18). Select the number that can replace the question mark (?) in the following series.

17, 20, 15, 22, 13, ?

- (a) 2 (b) 4 (c) 24 (d) 22

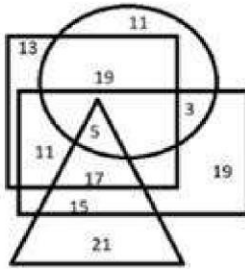
- 19). Four words have been given, out of which three are alike in some manner, while one is different. Select the odd word.

- (a) Virtue (b) Righteousness (c) Probity  
(d) Conduct

- 20). The given Venn diagram represents artists in a circus:

The triangle represents clowns, the circle represents acrobats, the rectangle represents males and the square represents ringmasters.

The numbers given in the diagram represent the number of persons in that particular category.



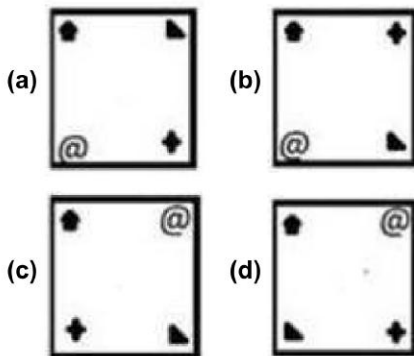
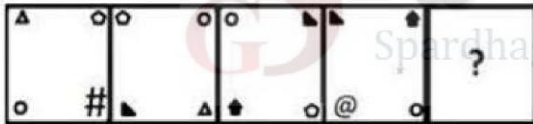
How many male clowns are also ringmasters, but NOT acrobats?

- (a) 17 (b) 5 (c) 11 (d) 15

- 21). Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.  
52 : 221 :: 20 : ? :: 64 : 272

- (a) 255 (b) 170 (c) 85 (d) 84

- 22). Select the figure that can replace the question mark (?) in the following series.



- 23). Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1) Some cars are rockets.

2) All rockets are engines.

Conclusions:

I. Some engines are rockets.

II. Some engines are cars.

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

- 24). Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

#PaV\$ArK@

- (a) #b9Λ2V1K@  
(b) #K1A2V69@  
(c) @K1A2V69#  
(d) @K1A2V69#

- 25). Which two signs should be interchanged to make the given equation correct?

$$225 + 5 \times 3 \div 5 - 7 = 133$$

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

## General Awareness

- 1). The major component of modern Olympic gold medals is \_\_\_\_\_.

- (a) Copper (b) Gold (c) Bronze (d) Silver

- 2). Private ownership of the means of production is a feature of a \_\_\_\_\_ economy.

- (a) Mixed (b) Socialist (c) Dual (d) Capitalist

- 3). Xerophthalmia is caused due to the deficiency of vitamin \_\_\_\_\_.

- (a) D (b) K (c) A (d) C

- 4). Recently Dina Boluarte has been elected as the first woman President of which country?

- (a) Peru (b) Ghana (c) Czech Republic  
(d) Hungary



5). Asia's largest wholesale spice market is located in \_\_\_\_\_.

- (a) Ahmedabad (b) Bengaluru (c) Delhi  
(d) Kolkata

6). The Holy River of Rig Vedic Age, along which, the Rig Vedic civilisation flourished was \_\_\_\_\_.

- (a) Narmada (b) Saraswati (c) Tapi  
(d) Godavari

7). The Biraja Temple, the Rajarani Temple and the Samaleswari Temple are all located in \_\_\_\_\_.

- (a) Tamil Nadu (b) Assam (c) Kerala  
(d) Odisha

8). In the 4<sup>th</sup> century BCE, the capital of Magadha was shifted to \_\_\_\_\_.

- (a) Varanasi (b) Mathura (c) Pataliputra  
(d) Panipat

9). The 14<sup>th</sup> Dalai Lama resides in \_\_\_\_\_.

- (a) Shillong (b) Kalimpong (c) Gangtok  
(d) Dharamsala

10). When is the South Asian Association for Regional Cooperation Charter Day celebrated every year?

- (a) 04 December (b) 05 December  
(c) 06 December (d) 08 December

11). The Harshacharita is a biography of Harshavardhana, the ruler of Kannauj, composed in Sanskrit by his court poet, \_\_\_\_\_.

- (a) Banabhatta (b) Kambar (c) Dandin  
(d) Jinsena

12). Which of the following is NOT a folk dance belonging to the union territory of Jammu and Kashmir?

- (a) Dhumal (b) Rouf (c) Hafiza (d) Dangi

13). Planetary scientists call the thin gaseous envelope around the Moon as the \_\_\_\_\_.

- (a) lunar endosphere (b) lunar stratosphere  
(c) lunar exosphere (d) lunar thermosphere

14). Recently Rs 250 crore was allocated by the Ministry of Railways for the rejuvenation of which of the following stations?

- (a) Varanasi Railway Station  
(b) Silchar Railway Station  
(c) Madurai Railway Station  
(d) Delhi Railway Station

15). Who was the President of the World Bank Group as on June 2, 2023.?

- (a) Paul Wolfowitz (b) Robert Zoellick  
(c) Ajay Banga (d) Jim Yong Kim

16). Recently Indian-origin Sushmita Shukla was appointed as the first Vice President of the Federal Reserve Bank, where is this bank located?

- (a) New York (b) Beijing (c) Tokyo (d) Moscow

17). Which Article of the Indian Constitution prohibits discrimination on the grounds of religion, race, caste, sex and place of birth?

- (a) Article 25 (b) Article 23 (c) Article 15  
(d) Article 19

18). In biological terms, \_\_\_\_\_ is a relationship between two organisms in which one organism benefits and the other is unaffected.

- (a) Parasitism (b) Commensalism  
(c) Amensalism (d) Mutualism

19). \_\_\_\_\_ was the capital of Magadha before the 4<sup>th</sup> century BCE.

- (a) Varanasi (b) Pataliputra (c) Rajagriha  
(d) Mathura

20). \_\_\_\_\_ expansion makes the Eiffel Tower taller during summers.

- (a) Gradient (b) Thermal (c) Chemical  
(d) Gravitational

21). King Harshavardhana ascended the throne of Thaneshwar and Kannauj on the death of his brother \_\_\_\_.

- (a) Suryavardhana (b) Indravardhana  
(c) Chandravardhana (d) Rajyavardhana

22). The Gol Gumbad (Gumbaz) of \_\_\_\_\_ is the mausoleum of Muhammad Adil Shah.

- (a) Bijapur (b) Allahabad (c) Agra (d) Delhi

23). The \_\_\_\_\_ lake in Gujarat was an artificial reservoir built during the rule of the Mauryas.

- (a) Loktak (b) Sudarshana (c) Pushkar  
(d) Lonar

24). Article 17 of the Constitution of India deals with the abolition of \_\_\_\_.

- (a) Untouchability (b) Titles (c) Savery (d) Sati

25). Who among the following is an Indian Olympic archer and Padma Shri winner?

- (a) Balbir Singh Dosanjh (b) Limba Ram  
(c) Kidambi Srikanth (d) Bajrang Punia

substitution is not required select 'No improvement'.

To fight on the battlefield for the sake of one's country needs a great strongness.

- (a) great courage (b) a lots of strength  
(c) No improvement (d) the greatest strongness

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

This beautiful story was written by Maya.

- (a) Maya is writing this beautiful story.  
(b) Maya writes this beautiful story.  
(c) Maya wrote this beautiful story.  
(d) Maya was writing this beautiful story.

5). Select the wrongly spelt word.

- (a) tamarind (b) tresure (c) truthful (d) turmoil

6). Select the wrongly spelt word.

- (a) consumation (b) compromise  
(c) competence (d) chronology

Read the following passage and fill in each blank with words chosen from options given.

'A stitch in time saves nine'. This wise saying suggests that an (1) \_\_\_\_\_ action taken on time to rectify an error rules (2) \_\_\_\_\_ the possibility of accumulation of such errors and future (3) \_\_\_\_\_. Wisdom, therefore, lies in correcting the error as soon as it is (4) \_\_\_\_\_. There is no point-in allowing the (5) \_\_\_\_\_ to grow and then take hasty actions to set things right.

## English Comprehension

1). Select the antonym of the given word.

LIBERTY

- (a) independence (b) deliverance  
(c) convenience (d) dependence

2). Select the most appropriate meaning of the given idiom.

Back to square one

- (a) Come to the original point  
(b) Neglect something (c) Draw a square  
(d) Move ahead

3). Select the most appropriate word to substitute the underlined word of the given sentence. If

7). Select the most appropriate option for blank no. 1

- (a) superficial (b) wrong (c) opposite  
(d) appropriate

8). Select the most appropriate option for blank no. 2

- (a) At (b) In (c) For (d) out



9). Select the most appropriate option for blank no. 3

- (a) facilities (b) qualities (c) advantages  
(d) Damages

10). Select the most appropriate option for blank no. 4

- (a) invented (b) discovered (c) managed  
(d) proposed

11). Select the most appropriate option for blank no. 5

- (a) parody (b) remedy (c) melody (d) malady

12). Select one word for the following group of words.

Open refusal to obey orders

- (a) defiance (b) defiance (c) adherence  
(d) obedience

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

BROAD

- (a) narrow (b) wide (c) long (d) large

14). In the sentence identify the segment which contains the grammatical error.

The boy which stole the money was caught by the police.

- (a) by the police (b) stole the money  
(c) The boy which (d) was caught

15). Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A) "We are going to the market", declared Reetu and Geetu.

B) "Where are you going?" the father asked.

C) "Take your umbrella, it is going to rain", the mother said.

D) "Yes, definitely. We will", replied the two.

- (a) DCAB (b) ABDC (c) BACD (d) BCDA

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

PREVENT

- (a) allow (b) construct (c) avert (d) provoke

17). Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A) Eventually, she overcame adversities and achieved success.

B) She engaged herself in 'earn while you learn' finance scheme in her college.

C) She needed financial support to complete her graduation.

D) Rama was a very poor girl.

- (a) CBDA (b) ADCB (c) ABCD (d) DCBA

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

REVERE

- (a) condemn (b) repeat (c) enjoy (d) respect

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

The teacher commanded the students not to shout.

(a) The teacher said to the students, "Don't shout."

(b) The teacher said to the students, "You should not shout."

(c) The teacher said to the students, "You must not shout."

(d) The teacher says to the students, "Do not shout."

20). Select the most appropriate meaning of the given idiom.

Dead heat

(a) a deadly blast of hot air (b) a strong heat wave

(c) close contest that ends in a tie

(d) strong opposition to one's ideas

21). Select the most appropriate word to fill in the blank.

The groom stood before the \_\_\_\_\_ for the wedding ceremony at the church.

- (a) atlas (b) alter (c) altar (d) attic

- 22). Select the most appropriate word to substitute the underlined word of the given sentence. If substitution is not required select 'No improvement'.

The animal resembled with a cat.

- (a) resembled by (b) resembled to (c) resembled  
(d) No improvement

- 23). Select one word for the following group of words.

Morals that govern one's behavior

- (a) ethics (b) intuition (c) psychology  
(d) attitude

- 24). Select the most appropriate word to fill in the blank.

She \_\_\_\_\_ on paying the bill at the restaurant.

- (a) requested (b) insisted (c) offered  
(d) suggested

- 25). In the sentence identify the segment which contains the grammatical error.

Saraswati college has maintained its reputation as one of the best college in the country.

- (a) Saraswati college has maintained  
(b) its reputation as (c) in the country  
(d) one of the best college

all the tables and chairs is Rs. 2,080, what is the cost price of 3 chairs?

- (a) Rs. 1,890 (b) Rs. 1,800 (c) Rs. 1,740  
(d) Rs. 1,860

- 3). In  $\triangle ABC$   $\angle A = 90^\circ$ , M is the midpoint of BC and D is a point on BC such that  $AD \perp BC$ . If  $AB = 7$  cm and  $AC = 24$  cm, then  $AD : AM$  is equal to :

- (a) 336 : 625 (b) 24 : 25 (c) 32 : 43  
(d) 168 : 275

- 4). Sonu saves 15% of her income. If her income increases by 20% and she still saves the same amount as before, then what is the percentage increase in her expenditure? (correct to one decimal place)

- (a) 24.2 (b) 23.8 (c) 22.8 (d) 23.5

- 5). When 732 is divided by a positive integer x, the remainder is 12. How many values of x are there?

- (a) 19 (b) 16 (c) 18 (d) 20

- 6). A can complete a certain work in 30 days. B is 25% more efficient than A and C is 20% more efficient than B. They all worked together for 3 days. B alone will complete the remaining work in:

- (a) 12 days (b) 20 days (c) 18 days  
(d) 15 days

- 7). The average of twelve numbers is 45.5. The average of the first four numbers is 41.5 and that of the next five numbers is 48. The 10<sup>th</sup> number is 4 more than the 11<sup>th</sup> number and 9 more than the 12<sup>th</sup> number. What is the average of the 10<sup>th</sup> and 12<sup>th</sup> numbers?

- (a) 47 (b) 46 (c) 47.8 (d) 46.5

- 8). In a  $\triangle ABC$ ,  $AB = AC$ . A circle drawn through B touches AC at D and intersects AB at P. If D is the mid point of AC and  $AP = 2.5$  cm, then AB is equal to :

- (a) 7.5cm (b) 10cm (c) 9 cm (d) 12.5 cm

- 9). If  $2x + 1$ ,  $x + 2$ , 2 and 5 are in proportion, then what is the mean proportional between  $3.5(1 - x)$  and  $8(1 + x)$ ?

## Quantitative Aptitude

- 1). The value of

$$\frac{7 - (4 + 3(2 - 2 \times 2 + 5) - 8) \div 5}{2 \div 2 \text{ of } (4 + 4 \div 4 \text{ of } 4)}$$

is :

- (a)  $8\frac{1}{2}$  (b) 26 (c)  $25\frac{1}{2}$  (d) 24

- 2). A person buys 5 tables and 9 chairs for Rs. 15,400. He sells the tables at 10% profit and chairs at 20% profit. If his total profit on selling



(a) 4.5 (b) 5.5 (c) 5.25 (d) 4.25

10). If  $a + b + c = 11$ ,  $ab + bc + ca = 3$  and  $abc = -135$ , then what is the value of  $a^3 + b^3 + c^3$ ?

(a) 925 (b) 827 (c) 929 (d) 823

11). A trader allows a discount of 18% on the marked price of an article. How much percentage above the cost price must he mark it so as to get a profit of 6.6%?

(a) 30 (b) 24 (c) 25 (d) 28

12). If  $5x + \frac{1}{3x} = 4$ , then what is the value of  $9x^2 + \frac{1}{25x^2}$ ?

(a)  $\frac{174}{125}$  (b)  $\frac{114}{25}$  (c)  $\frac{119}{25}$  (d)  $\frac{144}{125}$

13). The value of  $\frac{\tan 30^\circ \operatorname{cosec} 60^\circ + \tan 60^\circ \sec 30^\circ}{\sin^2 30^\circ + 4 \cot^2 45^\circ - \sec^2 60^\circ}$  is:

(a)  $\frac{8}{3}$  (b)  $\frac{32}{99}$  (c)  $\frac{32}{3}$  (d)  $\frac{2}{3}$

14). What is the compound interest on a sum of Rs 12,000 for  $2\frac{5}{8}$  years at 8% p.a., when the interest is compounded annually? (nearest to a rupee)

(a) Rs 2,712 (b) Rs 2,642 (c) Rs 2,697 (d) Rs 2,654

15). If  $\sec \theta - \tan \theta = \frac{x}{y}$ , ( $0 < x < y$ ) and  $0^\circ < \theta < 90^\circ$ , then  $\sin \theta$  is equal to:

(a)  $\frac{x^2 + y^2}{2xy}$  (b)  $\frac{2xy}{x^2 + y^2}$  (c)  $\frac{y^2 - x^2}{x^2 + y^2}$  (d)  $\frac{x^2 + y^2}{y^2 - x^2}$

16). ABCD is a cyclic quadrilateral in which AB = 16.5 cm, BC = x cm, CD = 11 cm, AD = 19.8 cm, and BD is bisected by AC at O. What is the value of x?

(a) 12.4cm (b) 12.8cm (c) 13.2cm (d) 13.8cm

17). If  $5 \sin^2 \theta + 14 \cos \theta = 13$ ,  $0^\circ < \theta < 90^\circ$ , then what is the value of  $\frac{\sec \theta + \cot \theta}{\operatorname{cosec} \theta + \tan \theta}$ ?

(a)  $\frac{32}{27}$  (b)  $\frac{21}{28}$  (c)  $\frac{31}{29}$  (d)  $\frac{9}{8}$

18). On simplification,  $\frac{x^3 - y^3}{x[(x+y)^2 - 3xy]} \div \frac{y[(x-y)^2 + 3xy]}{x^3 + y^3} \times \frac{(x+y)^2 - (x-y)^2}{x^2 - y^2}$  is equal to:

(a)  $\frac{1}{4}$  (b)  $\frac{1}{2}$  (c) 4 (d) 1

19). The circumference of the base of a conical tent is 66 m. If the height of the tent is 36 m, what is the area (in  $m^2$ ) of the canvas used in making the tent? (Take  $\pi = \frac{22}{7}$ )

(a) 1171.5 (b) 1155 (c) 1237.5 (d) 1254

20). A boat can go 3 km upstream and 5 km downstream in 55 minutes. It can also go 4 km upstream and 9 km downstream in 1 hour 25 minutes. In how much time (in hours) will it go 43.2 km downstream?

(a) 4.8 (b) 4.4 (c) 3.6 (d) 5.4

21). In  $\triangle ABC$ ,  $\angle B = 68^\circ$  and  $\angle C = 32^\circ$ . Sides AB and AC are produced to points D and E, respectively. The bisectors of  $\angle DBC$  and  $\angle BCE$  meet at F. What is the measure of  $\angle BFC$ ?

(a)  $39^\circ$  (b)  $65^\circ$  (c)  $50^\circ$  (d)  $55^\circ$

Directions for Questions (22 – 25) : The given table represents the number of computers sold by four dealers A, B, C and D during the first six months of 2016. Study the table carefully and answer the question that follows.

Dealer Month	A	B	C	D
January	102	92	95	107
February	94	96	104	106
March	85	94	100	90
April	108	97	99	96
May	98	102	100	89
June	95	108	102	91

The number of months, in which the number of computers sold by dealer B was less than the average number of computers sold by dealer C over six months, was:

- (a) 4 (b) 2 (c) 3 (d) 5

23). The total number of computers sold by dealer A during February to June is what percentage more than the total number of computer sold by all the dealers in June? (Correct to one decimal place)

- (a) 21.2 (b) 17.5 (c) 24.4 (d) 25.3

24). The total number of computers sold by dealer B in April, May and June is what percentage of the total number of computers sold by all the dealer in February and April?

- (a)  $38\frac{3}{8}$  (b)  $48\frac{5}{7}$  (c)  $43\frac{6}{7}$  (d)  $50\frac{7}{8}$

25). What is the ratio of the total number of computers sold by dealer A in February, April and May to the number of computer sold by dealer D in March, May and June?

- (a) 6:5 (b) 20:27 (c) 15:13 (d) 10:9