

100 Questions

Que. 1 **Direction:** In each of the following questions, select the related word from the given alternatives:-
Timid : Ass :: Cunning : ?

- 1. Ant
 - 2. Fox
 - 3. Rabbit
 - 4. Horse
- Correct Option - 2

Que. 2 **Direction:** In each of the following questions, select the related word from the given alternatives:-
Antonyms : Synonyms :: Analysis : ?

- 1. Synthesis
 - 2. Synchronize
 - 3. Simplify
 - 4. Summarise
- Correct Option - 1

Que. 3 **Direction:** In each of the following questions, select the related word from the given alternatives:-
Editor : Newspaper :: ? : ?

- 1. Farmer : Sell
 - 2. Wall : Mason
 - 3. Chef : Knife
 - 4. Poet : Poem
- Correct Option - 4

Que. 4 **Direction:** In each of the following questions, select the related word from the given alternatives:-
Amnesia : Memory :: Paralysis : ?

- 1. Legs
 - 2. Movement
 - 3. Limbs
 - 4. Handicapped
- Correct Option - 2

Que. 5 **Direction:** In each of the following questions, select the related word from the given alternatives:-
8 : 81 :: 10 : ?

- 1. 100
- 2. 121
- 3. 120
- 4. 111

Correct Option - 2

Que. 6 Select the word-pair in which the two words are related in the same way as are the two words in the word-pair

Spoke : Wheel

- 1. Word : Sentence
- 2. Printer : Computer
- 3. Square : Side
- 4. Tree : Branch

Correct Option - 1

Que. 7 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(16, 64, 8)

- 1. (15, 60, 8)
- 2. (18, 90, 6)
- 3. (10, 80, 8)
- 4. (14, 62, 4)

Correct Option - 1

Que. 8 AC : CF :: MO : ?

- 1. QR
- 2. PQ
- 3. OQ
- 4. OR

Correct Option - 4

Que. 9 BECD : YVXW :: DGEF : ?

- 1. VRTS
- 2. WTVU
- 3. WUTV
- 4. XUWV

Correct Option - 2

Que. 10 A is B's sister. C is B's mother. D is C's father. E is D's mother. Then how is A related to D?

- 1. Grandmother
- 2. Daughter
- 3. Grandfather
- 4. Granddaughter

Correct Option - 4

Que. 11 A and B are brother and sister respectively. C is A's father. D is C's sister and E is D's mother. How is B related to E?

- 1. Granddaughter
- 2. Great Granddaughter
- 3. Aunt
- 4. Daughter

Correct Option - 1

Que. 12 Raghu and Babu are twins. Babu's sister is Reema. Reema's husband is Rajan. Raghu's mother is Laxmi. Laxmi's husband is Rajesh. How is Rajesh related to Rajan?

- 1. Father-in-law
- 2. Cousin
- 3. Uncle
- 4. Son-in-law

Correct Option - 1

Que. 13 Gopal said, pointing at Govind, "His father is my father's only son." How is Gopal related to Govind?

- 1. Grandfather
- 2. Grandson
- 3. Son
- 4. Father

Correct Option - 4

Que. 14 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols:

If '-' stands for division '+' stands for subtraction, '÷' stands for multiplication, '×' stands for addition, then which one of the following is correct?

- 1. $70 - 2 + 4 \div 5 \times 6 = 44$
- 2. $70 - 2 + 4 \div 5 \times 6 = 21$
- 3. $70 - 2 + 4 \div 5 \times 6 = 341$
- 4. $70 - 2 + 4 \div 5 \times 6 = 36$

Correct Option - 2

Que. 15 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols:

If '+' means '÷', '-' means '+', '×' means '-' and '÷' means '×', then $8 \div 4 - 6 + 3 \times 4 = ?$

- 1. 4
- 2. 14
- 3. 28
- 4. 30

Correct Option - 4

Que. 16 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols:

If '+' means '÷', '-' means '×', '÷' means '+' & '×' means '-', then $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

- 1. 4
- 2. $6\frac{1}{2}$
- 3. 18
- 4. 42

Correct Option - 4

Que. 17 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols:

Which of the following interchange would make the equation $8 \times 20 \div 3 + 9 - 5 = 38$

- 1. (8, 9)
- 2. (3, 5)
- 3. (3, 9)
- 4. (3, 8)

Correct Option - 2

Que. 18 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols

In the following question, by using which mathematical operator will expression become correct?

$9 ? 27 ? 3 ? 4 ? 3$

- 1. +, +, < and $\times$
- 2. +, $\div$, > and $\times$
- 3. $\times$, $\div$, = and $\times$
- 4. + $\div$, < and +

Correct Option - 2

Que. 19 **Directions:** In the following question you have to identify the correct response from the given options according to following symbols:

If $1 \# 3 \# 7 = 21$ and $12 \# 1 \# 3 = 36$, then $14 \# 2 \# 0 = ?$

- 1. 28
- 2. 0
- 3. 16
- 4. 7

Correct Option - 2

Que. 20 A man drives his car 6 km towards the west, then turns left and drives 3 km and again turns left and drives 3 km. Find out the final direction of the man from his original position.

- 1. South-West
- 2. North-West
- 3. North-East
- 4. South-East

Correct Option - 1

Que. 21 **Directions:** In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

56, 90, 132, 184, 248, ?

1. 368
2. 316
3. 362
4. 326

Correct Option - 4

Que. 22 **Directions:** In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

14, 19, 29, 49, 89, ?

1. 139
2. 149
3. 159
4. 169

Correct Option - 4

Que. 23 **Directions:** In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

225, 289, ? , 441

1. 361
2. 375
3. 383
4. 386

Correct Option - 1

Que. 24 **Directions:** In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

2, 5, 9, ? , 20, 27

1. 14
2. 16
3. 18
4. 24

Correct Option - 1

Que. 25 **Directions:** In each of the following questions, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

1, 6, 13, 22, 33, ?

1. 47
2. 43
3. 46
4. 44

Correct Option - 3

- Que. 26
- If SEVEN is coded as 23136 and EIGHT as 34579, what will be the code for NINE?
1.

6463
2.

6364
3.

6346
4.

6436

Correct Option - 1

- Que. 27
- If in certain code, 'EDITION' 3891965, then how 'TIDE' will be written in that code?
1.

3819
2.

1983
3.

1839
4.

1586

Correct Option - 2

- Que. 28
- PROHIBITION is coded as 68032124205. How will you code INHIBITION?
1.

2531214205
2.

2532125205
3.

2542124205
4.

2532124205

Correct Option - 4

- Que. 29
- If E = 5, PEN = 35, then PAGE = ?
1.

27
2.

28
3.

29
4.

30

Correct Option - 3

- Que. 30
- If MEAT is written as TEAM, then BALE is written
1.

EBLA
2.

EALB
3.

ELAB
4.

EABL

Correct Option - 2

- Que. 31
- If MIGRANT is coded as LHFQZMS, then how will GEL be coded as?
1.

Q X K
2.

F D K
3.

I X Z

4. I F G

Correct Option - 2

Que. 32 B is twice as old as A but twice younger than F. C is half the age of A but is twice older than D. Who is second oldest?

- 1. B
- 2. F
- 3. D
- 4. C

Correct Option - 1

Que. 33 Five friends are sitting on bench. A is to the left of B but on the right of C. D is to the right of B but on the left of E. Who are at extremes?

- 1. AB
- 2. AD
- 3. BD
- 4. CE

Correct Option - 4

Que. 34 The salaries of B, R, G, A and M are compared with one-another, M receives more salary than that of A & G. The salary of R is less than the three persons. The salary of B is least. Whose salary is second lowest?

- 1. M
- 2. R
- 3. A
- 4. G

Correct Option - 2

Que. 35 **Direction** Find the missing number from the given responses in each of the following questions:



- 1. 90
- 2. 91
- 3. 103
- 4. 75

Correct Option - 2

Que. 36 **Direction** Find the missing number from the given responses in each of the following questions:

3	2
4	24

2	-1
-2	4

6	5
0	?

- 1. 1
- 2. 30
- 3. 11
- 4. 0

Correct Option - 4

Que. 37 **Direction** Find the missing number from the given responses in each of the following questions:

64	36	2
81	25	4
144	16	?

- 1. 6
- 2. 8
- 3. 3
- 4. 16

Correct Option - 2

Que. 38 **Direction** Find the missing number from the given responses in each of the following questions:

4	10	6
12	96	48
16	152	?

- 1. 110
- 2. 104
- 3. 112
- 4. 124

Correct Option - 2

Que. 39 **Direction** Find the missing number from the given responses in each of the following questions:

5	4	41
15	5	?
9	11	202

- 1. 261
- 2. 212
- 3. 209
- 4. 122

Correct Option - 1

Que. 40 The age of Ram is double as that of Shyam and half as that of Suresh. If the sum of their age is 70. What is the age of Ram?

1. 20
2. 30
3. 40
4. 10

Correct Option - 1

Que. 41 Anil is as much younger to Vivek as he is older to Tarun. If the total of the ages of Vivek & Tarun is 48 years, how old is Anil?

1. 20
2. 33
3. 24
4. 18

Correct Option - 3

Que. 42 If 4 cats kill 4 rats in 4 minutes, how many minutes will it take 8 cats to kill 8 rats?

1. 8
2. 4
3. 2
4. 16

Correct Option - 2

Que. 43 The last three digits of the binary equivalent of the number 85432578 is?

1. 001
2. 100
3. 110
4. 010

Correct Option - 4

Que. 44 A man takes 6 Km distance to go around the rectangular area. If the area of the rectangle is 2 sq Km find the difference between length & breadth?

1. 2 Km
2. 0.5 Km
3. 1 Km
4. 0.75 Km

Correct Option - 3

Que. 45 **Direction:** Which one of the given responses would be a meaningful order of the following words?
(a) Doctor

(b) Fever

- (c) Prescribe
- (d) Diagnose
- (e) Medicine

- 1. b, a, c, d, e
- 2. a, d, c, b, e
- 3. b, a, d, c, e
- 4. b, d, c, e, a

Correct Option - 3

Que. 46 **Direction:** Which one of the given responses would be a meaningful order of the following words?

(1) Brother

- (2) Husband
- (3) Father
- (4) Son
- (5) Son -in- law

- 1. 3, 2, 1, 5, 4
- 2. 4, 1, 2, 5, 3
- 3. 4, 1, 5, 2, 3
- 4. 3, 1, 4, 2, 5

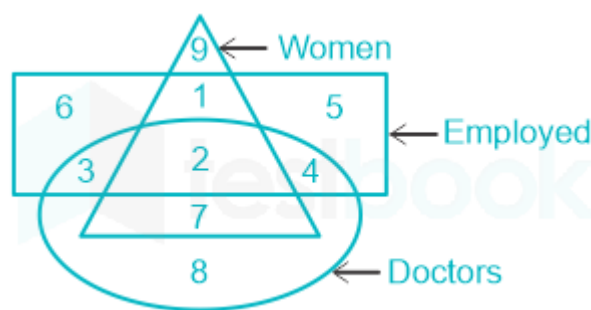
Correct Option - 3

Que. 47 Which of the following states the relationship between Sociology, Psychology and Humanities?

- 1. 
- 2. 
- 3. 
- 4. 

Correct Option - 1

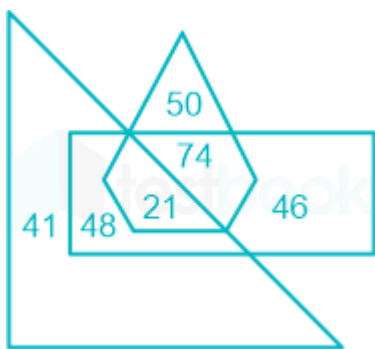
Que. 48 In the following figure, which member represents the women doctor who are not employed



- 1. 7
- 2. 3
- 3. 1
- 4. 8

Correct Option - 1

Que. 49 In Venn diagram the rectangle represents WOMEN, the pentagon represents ENTREPRENEURS and the triangle represents MOTHERS. The numbers given in the diagram represents number of persons in that category?



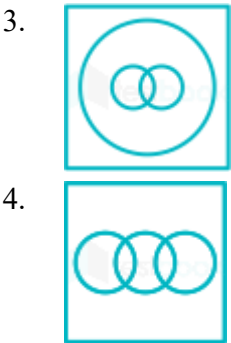
How many WOMEN are ENTREPRENEURS but not MOTHER

- 1. 21
- 2. 74
- 3. 50
- 4. 46

Correct Option - 2

Que. 50 Select the Venn diagram which best represents relationship among the given three classes? MALE, FATHER, BROTHER

- 1.
- 2.



Correct Option - 3

Que. 51 A fruit seller has a certain number of apples of which 5% are rotten. He sells 75% of the remainder and he is left with 190 apples. What was the initial number of apples with fruit seller?

- 1. 1000
- 2. 900
- 3. 800
- 4. 700

Correct Option - 3

Que. 52 Two numbers are in the ratio 3 : 5. If 13 is subtracted from each, the new number are in the ratio of 10 : 21. If 15 is added to each of the original number then the ratio becomes?

- 1. 5 : 7
- 2. 23 : 33
- 3. 4 : 5
- 4. 24 : 35

Correct Option - 4

Que. 53 Ramesh marks his goods 30% above cost price. If he sells the item for 910/- after allowing a discount of 15% find his cost price?

- 1. 823.5
- 2. 758
- 3. 814.2
- 4. 856.5

Correct Option - 1

Que. 54 'A' does 30% of a work in 30 days. He then call 'B' and they together finish the remaining work in 20 days. How long B alone world take to do the whole work?

- 1. 40
- 2. 80
- 3. 120
- 4. 160

Correct Option - 1

Que. 55 If for two real constant a and b , the expression $ax^3 + 3x^2 - 8x + b$ is exactly divisible by $(x + 2)$ and $(x - 2)$, then?

1. $a = 2, b = 12$
2. $a = 12, b = 2$
3. $a = 2, b = -12$
4. $a = -2, b = 12$

Correct Option - 3

Que. 56 If the diameter of a wire is decreased by 10%, by how much percent (approx) will the length be increased to keep the vol constant?

1. 5%
2. 17%
3. 20%
4. 23%

Correct Option - 4

Que. 57 The ratio of the outer and inner perimeters of a circular path is 23 : 22. If the path is 5m wide, the diameter of the inner circle is?

1. 55 m
2. 110 m
3. 220 m
4. 230 m

Correct Option - 3

Que. 58 In statistics, a suitable graph for representing the partitioning of total into subpart is?

1. An ogive
2. A pictograph
3. a histogram
4. a pie chart

Correct Option - 4

Que. 59 The sum of twice a number and thrice its reciprocal is $25/2$. What is the number?

1. 7
2. 6
3. 5
4. 4

Correct Option - 2

Que. 60 Three numbers are in the ratio of 3 : 4 : 5 and their LCM is 4200. Their HCF is?

1. 70
2. 60
3. 20

4. 15

Correct Option - 1

Que. 61 Find the value of $2.8 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$?

- 1. 6.45
- 2. 4.55
- 3. 8.45
- 4. 10.55

Correct Option - 4

Que. 62 If $x = 2 + \sqrt{3}$ then the value of $\frac{x^2 - x + 1}{x^2 + x + 1}$?

- 1. $\frac{2}{3}$
- 2. $\frac{3}{4}$
- 3. $\frac{4}{5}$
- 4. $\frac{3}{5}$

Correct Option - 4

Que. 63 On a journey across Mumbai, a taxi average 25 km per hr for 50% of the distance, 20 km pr hr for 40% of it and 10 km per hr for remaining. The average speed in (km/hr) for the complete journey is?

- 1. 16
- 2. 18
- 3. 20
- 4. 22.5

Correct Option - 3

Que. 64 Find the wrong number in the sequence 5, 10, 17, 26, 38, 50, 65

- 1. 10
- 2. 26
- 3. 38
- 4. 65

Correct Option - 3

Que. 65 If $x + y + z = 3$ and $x^2 + y^2 + z^2 = 101$, then what is the value of $\sqrt{x^3 + y^3 + z^3 - 3xyz}$

- 1. 28
- 2. 26
- 3. 24
- 4. 21

Correct Option - 4

Que. 66

In a class of 60 students, 40% are girls. The average weight of the whole class is 59.2 and the average weight of the girls is 55 kg. What is the average weight of the boys?

1. 61 kg
2. 62 kg
3. 63 kg
4. 64 kg

Correct Option - 2

Que. 67 The ratio of age of two boys is 5 : 6, after two years the ratio will be 7 : 8. Then find the ratio of their ages after 12 yrs

1. $\frac{21}{22}$
2. $\frac{15}{16}$
3. $\frac{17}{18}$
4. $\frac{11}{12}$

Correct Option - 3

Que. 68 A canister holds 36 Ltr of mixture of milk and water in a ratio 3 : 1. 15 Ltr of milk is added to the canister. The new ratio of the mixture is ?

1. 12 : 5
2. 14 : 3
3. 7 : 4
4. 9 : 4

Correct Option - 2

Que. 69 The sum of two positive numbers is 20% of the sum of their square and 25% of the difference of their squares. If the numbers are x & y then $\frac{x+y}{x^2}$ is equal to ?

1. $\frac{1}{4}$
2. $\frac{3}{8}$
3. $\frac{1}{3}$
4. $\frac{2}{9}$

Correct Option - 4

Que. 70 The top of two poles of height 24 m and 36 m are connected by a wire. If the wire makes an angle of 60° with the horizontal, then the length of the wire is?

1. 6 m
2. 8 m
3. $8\sqrt{3}$ m
4. $3\sqrt{3}$ m

Correct Option - 3

Que. 71 If the opposite sides of a quadrilateral and also its diagonal are equal, then each of the angles of quadrilateral is?

1. 90°
2. 105°
3. 120°
4. 60°

Correct Option - 1

Que. 72 Find length of the arc whose central angle is 45° and radius of the circle is 28 cm?

1. 11
2. 22
3. 33
4. 44

Correct Option - 2

Que. 73 In a farm there are cows and hens. If heads are counted they are 180, if legs are counted they are 420. The number of cows in the farm is?

1. 150
2. 130
3. 50
4. 30

Correct Option - 4

Que. 74 114 sweets are distributed among 20 children such that each girl gets 6 sweets and each boy gets 5 sweets. The number of boy is?

1. 6
2. 7
3. 8
4. 9

Correct Option - 1

Que. 75 If a sum of money on compound interest becomes three times in 4 years, then at the same interest rate, the sum will become 27 times in?

1. 15 years
2. 16 years
3. 12 years
4. 10 years

Correct Option - 3

Que. 76 Simple interest on a sum for 10 years is equal to 5% of the principle. In how many years interest will be equal to the principle?

1. 100
2. 150

3. 200

4. 250

Correct Option - 3

Que. 77 The sum of three consecutive integers is 81. The middle one is?

1. 24

2. 25

3. 26

4. 27

Correct Option - 4

Que. 78 The sum of two numbers is 1215 and their HCF is 81. How many such pairs of numbers can be formed?

1. 3

2. 4

3. 6

4. None of the above

Correct Option - 2

Que. 79 If $\sqrt{y} = \sqrt{4} - \sqrt{6}$ then find the value of $(y^2 - 20y + 12)$?

1. 4

2. 8

3. 10

4. 12

Correct Option - 2

Que. 80 The average of prime numbers between 1 and 30 is?

1. $11\frac{3}{7}$

2. $12\frac{7}{9}$

3. $12\frac{9}{10}$

4. $12\frac{9}{7}$

Correct Option - 3

Que. 81 A man covered a certain distance by a train running at the speed of 50 km/h and covers the same distance by walking back at the speed of 5 Km/h. If the whole journey took 5 hr and 30 min. then what was the distance (in Km) of one side?

1. 18

2. 20

3. 25

4. 30

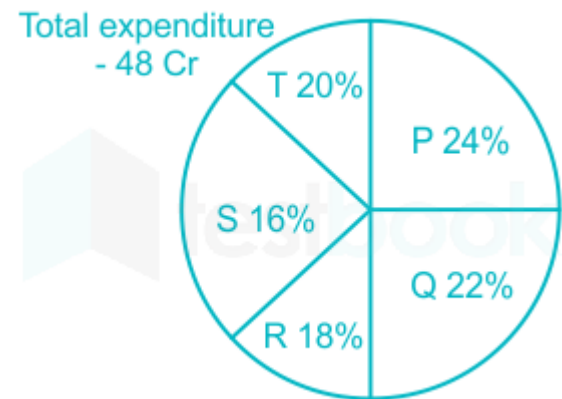
Correct Option - 3

Que. 82 A certain number of men complete a work in 60 days. If there are 8 more men, the work can be finished in 10 days less. The number of men originally is?

- 1. 30
- 2. 32
- 3. 36
- 4. 40

Correct Option - 4

Que. 83 **Directions:** The following pie chart shows the expenditure (in percentage) of five companies P, Q, R, S and T in one year 2020?

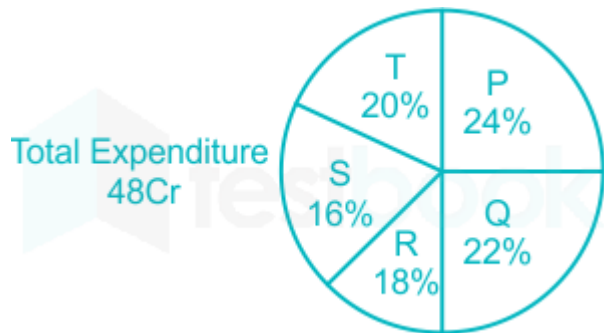


What was the total expenditure in (Rs Cr) of the company Q, R & T together?

- 1. 19.2
- 2. 28.8
- 3. 24.3
- 4. 31.4

Correct Option - 2

Que. 84 **Directions:** The following pie chart shows the expenditure (in percentage) of five companies P, Q, R, S and T in one year 2020?



By how much percent expenditure of company Q & R together is greater than that of company P?

- 1. 33.33%
- 2. 60%
- 3. 66.67%
- 4. 75%

Correct Option - 3

Que. 85 Two chords, AB and CD of a circle meet at a point O, outside the circle. It is given that AB = 7 cm, CD = 4 cm, OB = 5 cm. What is length of OD?

1. 5 cm
2. 6 cm
3. 7.5 cm
4. 10 cm

Correct Option - 2

Que. 86 The curved surface area of a cylinder is 594 cm^2 and its vol is 1336.5 cm^3 . What is the height (in cm) of the cylinder?

1. 114
2. 21
3. 24.5
4. 10.5

Correct Option - 2

Que. 87 Dinesh can row at 18 Km/h in still water. If speed of stream is 6 Km/h, then how long will Dinesh take to row upto a distance of 6km and return to the starting point?

1. 40 Min
2. 45 Min
3. 50 Min
4. 52 Min

Correct Option - 2

Que. 88 If $\cos \theta = \frac{3}{5}$ then the value of $\sin \theta$ is ?

1. $\frac{2}{5}$
2. $\frac{4}{5}$
3. $\frac{2}{3}$
4. can not be determined

Correct Option - 2

Que. 89 If $3\sqrt{5} + \sqrt{125} = 17.88$, then what will be the value of $\sqrt{80} + 6\sqrt{5}$?

1. 13.41
2. 20.46
3. 21.66
4. 22.35

Correct Option - 4

Que. 90 Water contains $14\frac{2}{7}\%$ of hydrogen and the rest is oxygen. In 350 g of water oxygen will be?

1. 300
2. 250

- 3. 200
- 4. None of the above

Correct Option - 1

Que. 91 The area of smallest square which can be formed with rectangle of dimension 6 cm × 4 cm, is?

- 1. 16 cm²
- 2. 24 cm²
- 3. 36 cm²
- 4. 144 cm²

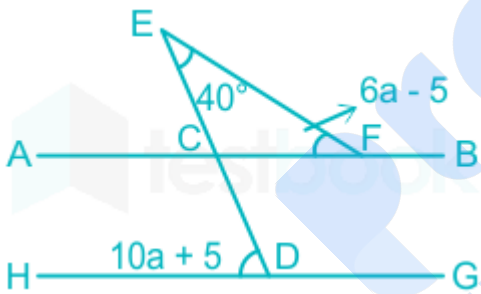
Correct Option - 4

Que. 92 The mean proportion between $(8 + \sqrt{15})$ and $(32 - 4\sqrt{15})$ is?

- 1. 14
- 2. 13
- 3. 12
- 4. 11

Correct Option - 1

Que. 93 If AB is parallel to HG, what is the value of a ?



- 1. 15
- 2. 2.5
- 3. 7.5
- 4. 9.5

Correct Option - 3

Que. 94 A well is dug 20 m and it has a diameter of 7 m. The earth taken out is spread as a regular plot 22 m × 14m dimension, then height of the platform formed is?

- 1. 2.1 m
- 2. 2.5 m
- 3. 2.9 m
- 4. 3.5 m

Correct Option - 2

Que. 95 If $\tan\left(\frac{\theta}{2}\right) \tan\left(\frac{2\theta}{5}\right) = 1$ what is the value of (in degree) θ ?

1. 45°
2. 90°
3. 100°
4. 120°

Correct Option - 3

Que. 96 If $x \left(3 - \frac{2}{x}\right) = \frac{3}{x}$ then the value of $x^2 + \frac{1}{x^2}$ is

1. $2\frac{1}{9}$
2. $2\frac{4}{9}$
3. $3\frac{1}{9}$
4. $3\frac{4}{9}$

Correct Option - 2

Que. 97 The efficiencies of A, B, and C are in the ratio 5 : 3 : 2. Working together, they can complete a task in 21 hours. In how many hours will B alone complete 40% of that task?

1. 28
2. 24
3. 21
4. 35

Correct Option - 1

Que. 98 A boat takes half time in moving a certain distance downstream than upstream. The ratio of the speed of the boat in still water and that of the current is?

1. 2 : 1
2. 4 : 3
3. 1 : 2
4. 3 : 1

Correct Option - 4

Que. 99 Find the value of x? $\text{Log } x\sqrt{3} = \frac{1}{4}$

1. 9
2. 3
3. 4
4. 1

Correct Option - 1

Que. 100 Which of the following statement is not correct?

1. $\log_{10}10 = 1$
2. $\log(2 + 3) = \log(2 \times 3)$
3. $\log_{10}1 = 0$

4. $\log (1 + 2 + 3) = \log 1 + \log 2 + \log 3$

Correct Option - **2**

