Steven is alwaysa sign of	about showing up for work because he feels that tardiness is a
irresponsibility	
A. legible	
B. tolerable	
C. punctual	
D. literal	
Candace would names	her little sister into an argument by teasing her and calling her
A. advocate	
B. provoke	
C. perforate	
D. lamente	
As beings we I	live each day conscious of our shortcomings and victories
A. sensational	
B. sentient	
C. sentimental	
D. static	
To a congressi documents	ional bill the president must use his official seal on all
A. nullify	
B. patronize	
C. victimize	
D. ratify	
The task of building th	ne cabin was a one but Rob was up to the challenge
A. laborious	
B. venerable	
C. archaic	
D. cynical	
I could tell by Angelica	a's tone that she was still very angry with me.
A. ingratiating	

B. adjacent
C. oblique
D. acerbic
e. eloquent
After years of living at a(n) pace, Paola decided it was time to slow down and learn
how to relax.
A. frenetic
B. pedestrian
C. pretentious
D. colloquial
The hospital had an outbreak of chicken pox and was forced to all patients and staff
to prevent more infected victims.
A. clandestine
B. saturate
C. germinate
D. quarantine
Living on several acres of land dotted with oak and maple trees makes autumn leaf-raking a task.
A. fatuous
B. toilsome
C. tardy
D. obsequious
Acting in the high school play served to Ander's appetite for professional acting
A. satiate
B. whet
C. purport
D. incriminate
Sean would whenever it became his turn to do the dishes
A. premeditate
B palter

C. reform
D. distend
TO CRY WOLF means
A. To listen eagerly
B. To give false alarm
C. To turn pale
D. To keep off starvation
It would take many hours of cleaning and repairing for the young family to transform the
into a clean and comfortable little cottage
A. territory
B. manor
C. hovel
D. demesne
Ms. Lu allowed her son a great deal of in spending his birthday money, because she
believed it should be his decision
A. injunction
B. assimilation
C. latitude
D. declamation
It was once believed that alchemists could common metals to gold
A. transmute
B. commute
C. execute
D. repute
The close-up of the actor drinking the popular brand of cola in the movie was a
display of commercialism
A. dispassionate
B. languid
C. apathetic

D. gratuitous

A MAN OF STRAW means

A. A man of no substance

- B. A very active person
- C. A worthy person
- D. An intelligent person

Identify the meaning of the idiom "Miss the boat".

- (A) Let too much time go by to complete a task.
- (B) Long for something that you don't have.
- (C) Miss out on an opportunity.
- (D) Not know the difference between right and wrong.

2-Identify the meaning of the idiom "Seeing eye to eye."

- (A) Agreeing with somebody
- (B) Treating someone with respect
- (C) Paying close attention to something someone is saying
- (D) Identifying a minor mistake

Identify the meaning of the idiom "spill the beans."

- (A) To be untidy
- (B) To be very talkative

(C) To reveal something that is supposed to be kept a secret

(D) To leave a place quickly

'Shedding	Crocodile tears	' means
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- (A) be in trouble
- (B) insincere display of emotions
- (C) be nervous
- (D) find the hidden meaning

Identify the meaning of the idiom "Can't judge a book by its cover."

- (A) It is easier to read a book than to protect the pages.
- (B) It is hard to tell how something is simply from its outward appearance.
- (C) A book's ending can't always be guessed by how it begins.
- (D) It takes a long time to really know someone.

The meaning for the idiom, 'fall on deaf ears' means:
(A) cannot remember
(B) people would not listen to
(C) to be in trouble
(D) find the hidden meaning
The phrase, "A hard nut to crack" means
(A) an interesting problem
(B) a difficult problem
(C) a unique problem
(D) a simple problem
Choose the one which best expresses the meaning of the idioms and phrases: Ram sold
their house because it was a real white elephant.
(A) A rare find
(B) Very expensive and useless
(C) A very big one
(D) A useless one
Choose the one which best expresses the meaning of the idioms and phrases: They
were having a whale of time dancing and singing.
(A) To enjoy yourself very much
(B) To enjoy life
(C) To enjoy leisure time
(D) To enjoy with loved ones
Identify the meaning of the idiom "a bed of roses".
(A) An easy situation
(B) A fragrant place
(C) A tough option
(D) An impossible situation
What does BAD BLOOD imply
A. Impure blood
B. Thick blood
C. III feelings

D. Harmful blood
A disease prevailing in a locality
A. epidemic
B. exotic
C. endemic
D. systemic
To remove all objectionable matter
A. expurgate
B. censure
C. edit
D. photoshop
Sword is related to Slaughter in the same way as Scalpel is related to
A. Murder
B. Stab
C. Surgery
D. Chopping
Chef is related to Restaurant in the same way as Druggist is related to
A. Medicine
B. Pharmacy
C. Store
D. Chemist
One who collects coins is a
A. Numismatist
B. Somnambulist
C. Philatelist
D. Chauninist
Act of deceiving somebody in order to make money is called
A. Pickpocket
B. Theft
C. Robbery
D. Fraud

Lack of skill is
A. insistence
B. ineptness
C. insolence
D. inertness
Poetry:Rhyme::Philosophy:
A. imagery
B. music
C. bi-law
D. theory
Marshal:Prisoner::Principal:
A. teacher
B. president
C. doctrine
D. student
Mend:Sewing::Edit:
A. darn
B. repair
C. manuscript
D. makeshift
Choose the correct statement
A. Do not make friend with selfish people
B. Do not make friendship with selfish people
C. Do not make friends with selfish people
D. Do not make friendly with selfish people
Some students are at copying
A. adapt
B. adept
C. adopt
D. edept

Choose the correct statement

A. The hooligans broke in the factory
B. The hooligans broke onto the factory
C. The hooligans broke at the factory
D.The hooligans broke into the factory
What they are doing does not seem working
A. be
B. being
C. been
D. to be
She is going to quit her job they give her a pay rise
A. or
B. until
C. unless
D. providing
Near the historic monument, there is a bridge the Thames River
A. above
B. over
C. off
D. towards
Katherine has finished her work, now she is home
A. going
B. going to
C. going to the
D. going towards the
Co4
01. How many 5's are there in the following sequence which are immediately followed by 3
but not immediately preceded by 7 ?
8 9 5 3 2 5 3 8 5 5 6 8 7 3 3 5 7 7 5 3 6 5 3 3 5 7 3 8
A. One B. Two C. Three D. Four E. More than four
ANSWER: C

02. In the series,

641228742153862171413286

how many pairs of successive numbers have a difference of 2 each?

A. 4 B. 5 C. 6 D. 7

ANSWER: C

03. Rahul ranked ninth from the top and thirty eighth from the bottom in a class. How many

students are there in the class?

A. 45 B.46 C. 47 D. 48

ANSWER: B

04. In a row of 21 girls, when Monika was shifted by four places towards the right, she became 12th from the left end. What was her earlier position from the right end of the row?

A. 9th B. 10th C. 11th D. 12th E. 14th

ANSWER: E

05. In a row of boys, Deepak is seventh from the left and Madhu is twelfth from the right. If

they interchange their positions, Deepak becomes twenty-second from the left. How many boys are there in the row?

A. 19 B. 31 C. 33 D. Cannot be determined E. None of these

ANSWER: C

06. Satish remembers that his brother's birthday is after fifteenth but before eighteenth of

February whereas his sister kajal remembers that her brother's birthday is after sixteenth

but before nineteenth of February. On which day in February is Satish's brother's birthday?

A. 16th B. 17th C. 18th D. 19th E. None of these

ANSWER: B

07. A bus for Delhi leaves every thirty minutes from a bus stand. An enquiry clerk told

passenger that the bus had already left ten minutes ago and the next bus will leave at 9.35 a.m. At what time did the enquiry clerk give this information to the passenger?

A. 9.10 a.m. B. 8.55 a.m. C. 9.08 p.m. D. 9.05 a.m. E. 9.15 a.m. ANSWER: E Symbols and Notations: 08. If '+'stands for division, '÷' stands for multiplication, 'x' stands for subtraction and stands for addition, which one of the following is correct? A. $18 \div 6 - 7 + 5 \times 2 = 20$ B. $18 + 6 \div 7 \times 5 - 2 = 18$ C. $18 \times 6 + 7 \div 5 - 2 = 16$ D. $18 \div 6 \times 7 + 5 - 2 = 22$ ANSWER: B 09. If '+' stands for multiplication, 'x' stands for division, '-' stands for addition and '÷' stands for subtraction, what is the answer for the following equation? $20 - 5 \div 18 \times (3 + 2) = ?$ A. 20 B. 18 C. 108 D. 22

10. If L = +, M = -, N = x, $P = \div$, then 5 N 5 P 5 L 5 M 5 =?

11. Which alternative clearly indicates the rule followed in the following set of

ANSWER: D

A. 0

B. 5

C. 10

D. 15

ANSWER: B

numbers?

A. -, x, x

B. x, +,÷

C. x, -, ÷

D. x, ÷,-

7482 = 24

ANSWER: C

12. In the following question, identify the correct response from the given premises stated

according to following symbols. 12 3 4 8 = 0

A. - + +

B. ÷ + ÷

C. ---

D. ÷ + –

ANSWER: D

13. After interchanging ÷ and =, 2 and 3, which one of the following statements becomes

correct?

A. $15 = 2 \div 3$

B. $5 \div 15 = 2$

 $C. 2 = 15 \div 3$

D. 3 - 2 ÷ 15

ANSWER: B

14. Select the correct combination of Mathematical signs to replace * signs and to balance the

given equation 4 * 6 * 6 * 2 * 20

 $A. + \div = \div$

B. x - + =

 $C. + - = \div$

 $D. - + = \div$

ANSWER: B

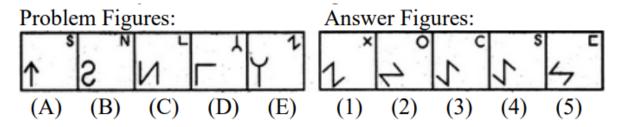
Nonverbal Reasoning:

Each of the following questions consists of five figures marked A, B, C, D and E called the Problem Figures followed by five other figures marked 1, 2, 3, 4 and 5 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

15. Select a figure from amongst the Answer Figures which will continue the same series as

established by the five Problem Figures.

Problem Figures: Answer Figures:



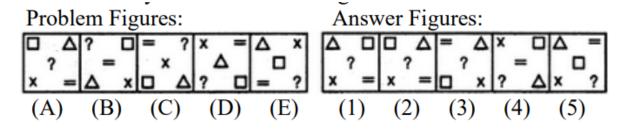
- (A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

ANSWER: C

16. Select a figure from amongst the answer figures which will continue the same series as

established by the five Problem Figures.

Problem Figures: Answer Figures:



- (A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

ANSWER: B

17. Select a figure from amongst the Answer Figures which will continue the same series as

established by the five Problem Figures.

Problem Figures: Answer Figures:

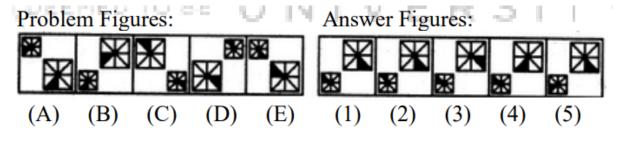
- (A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

ANSWER: D

18. Select a figure from amongst the Answer Figures which will continue the same series as

established by the five Problem Figures.

Problem Figures: Answer Figures:



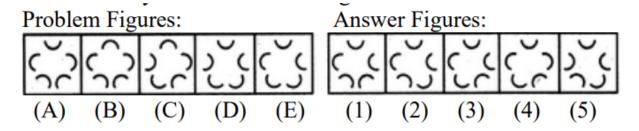
- (A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

ANSWER: A

19. Select a figure from amongst the Answer Figures which will continue the same series as

established by the five Problem Figures.

Problem Figures: Answer Figures:



(A) (B) (C) (D) (E) (1) (2) (3) (4) (5)

- A. 1
- B. 2
- C. 3
- D. 4
- E. 5

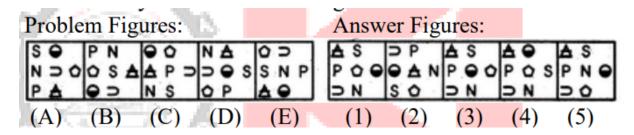
ANSWER: A

Each of the following questions consists of five figures marked A, B, C, D and E called the Problem Figures followed by five other figures marked 1, 2, 3, 4 and 5 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

20. Select a figure from amongst the Answer Figures which will continue the same series as

established by the five Problem Figures.

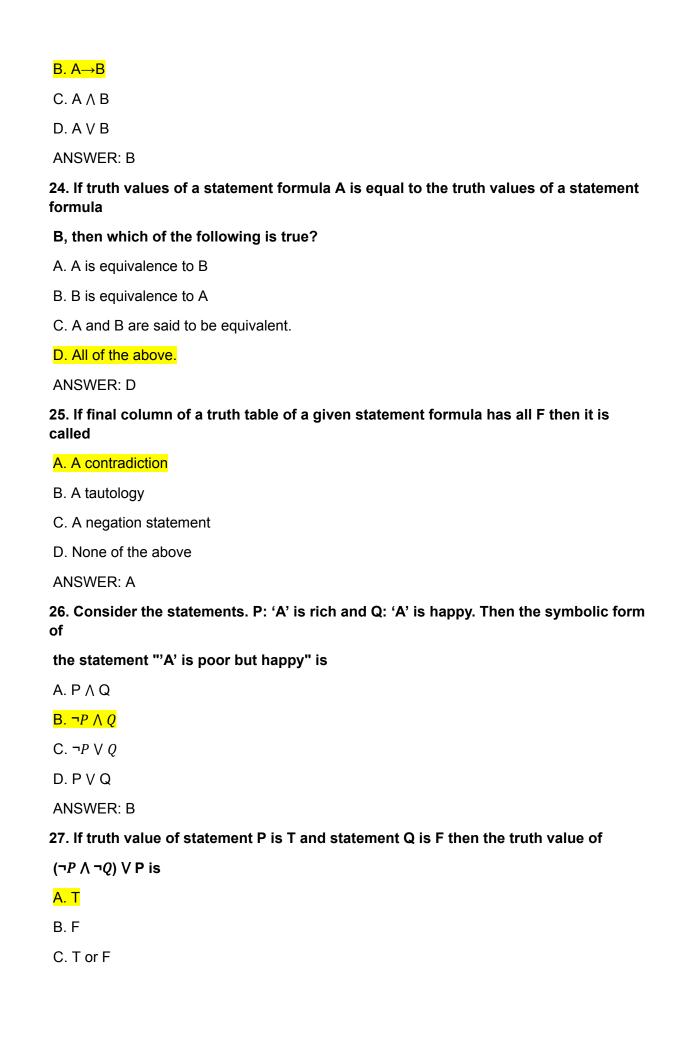
Problem Figures: Answer Figures:



(A) (B) (C) (D) (E) (1) (2) (3) (4) (5)

A. 1

B. 2
C. 3
D. 4
E. 5
ANSWER: A
21. Select a figure from amongst the Answer Figures which will continue the same series as
established by the five Problem Figures.
Problem Figures: Answer Figures:
Problem Figures: Answer Figures: Answer Figures: Answer Figures: (A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
(A) (B) (C) (D) (E) (1) (2) (3) (4) (5)
A. 1
B. 2
C. 3
D. 4
E. 5
ANSWER: D
Connectives:
22. Which of the following logic connectives is equivalent to \sim (p \rightarrow q)
A. p V ~q
B. p ∧ ~q
C. ~ p ∨ ~q
D. ∼p∧q
ANSWER: B
23. A statement is said to tautologically imply a statement if and only if is a
tautology.
A. B→A



D. None of the above

ANSWER: A

28. Let P be the statement "If X, then Y." Which of the following statements describes

inverse of P?

A. If Y, then X

B. If X, then not Y

C. If not Y, then not X

D. If not X, then not Y

ANSWER: D

Blood relations and Data Sufficiency:

Directions: Each question given below has a problem and two statements numbered I and II giving certain information. You have to decide if the information given in the statements is sufficient for answering the problem. Indicate your answer as

- (a) if the data in statement I alone are sufficient to answer the question;
- (b) if the data in statement II alone are sufficient answer the question;
- (c) if the data either in I or II alone are sufficient to answer the question;
- (d) if the data given in both the statements together are not sufficient to answer the question;
- (e) if the data in both the statements together are needed.
- 29. What is Reena's rank in the class?
- I. There are 26 students in the class.
- II. There are 9 students who have scored less than Reena.

ANSWER: E

- 30. Who is the father of M?
- I. A and B are brothers.
- II. B's wife is sister of M's wife.

ANSWER: D

- 31. What day is the fourteenth of a given month?
- I. The last day of the month is a Wednesday.
- II. The third Saturday of the month was seventeenth.

ANSWER: B

32. Among four friends A. B, C and D, who is the heaviest? I. B is heavier than A, but lighter than D. II. C is lighter than B. ANSWER: E 33. It is 8.00 p.m., when can Hemant get next bus for Ramnagar from Dhanpur? I. Buses for Ramnagar leave after every 30 minutes, till 10 p.m. II. Fifteen minutes ago, one bus has left for Ramnagar. ANSWER: E 34. Pointing out to a lady, Rajan said," she is the daughter of the woman who is the mother of the husband of my mother." Who is the lady to Rajan? A. Aunt B. Sister C. Cousin D. Sister in law ANSWER: A 35. Pointing to a man in the photograph, Asha said "His mothers only daughter is my mother." How is Asha related to that man? A. Aunt B. Sister C. Niece D. Sister in law ANSWER: C 36. If A+B means A is the sister of B; A-B means A is the brother of B; A*B means A is daughter of B. Which of the following shows the relation that E is the maternal uncle of D? A. D+F*E B. D-F*E C. D*F+E D. D*F-E ANSWER: C

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- 01. The 54th and 4th terms of an A.P. are 61 and 64; find the 23rd term.
- A. 12
- B. 20 1/4
- C. 26 ½
- D. 16 ½
- 02. The first term of a series is 5, the last 45, and the sum 400: find the number of terms, and the common difference.
- A. n = 14, d = 2(1/3)
- B. n = 15, d = 2(2/5)
- C. n = 16, d = 2(2/3)
- D. n = 17, d = 2(2/5)
- 03. Find the sum of the geometric series $2 + 6 + 18 + 54 + \dots$ where there are 6 terms in the
- series.
- A. 728
- B. 828
- C. 926
- D. 1016
- 04. Find the sum of the geometric series 8 4 + 2 1 + ... where there are 5 terms in the
- series.
- A. 7 ½
- B. 10 1/4
- C. 5 ½
- D. 8 1/4
- 05. How many terms are there in the geometric progression 2, 4, 8, . . ., 128?
- A. 5
- B. 6

C. 7 ½	
D. 7	
06. In the A.P3, -1/2, 2 The 11th term is	
A. 42	
B12	
C. 22	
D. 65	
07. Does 210 falls in the AP: 21, 42, 63, 84? If yes, then on which term?	
A. 12th	
B. 10th	
C. 5th	
D. 7th	
08. Find the sum of the following infinite G. P.	
A. 1/2	
B. 1	
C. 1/3	
D. 1/5	
09. Insert three geometric means between 2 and 81/8.	
A. 3, 9/2, - 27/4	
B 3, 9/2, 27/4	
C. 3, 9/2, 27/4	
D. 3, 9/2, 27/8	
10. The arithmetic mean between two numbers is 75 and their geometric mean is Find the numbers.	21.
A. 133 and 17	
B. 63 and 87	
C. 3 and 147	
D. 73 and 77	

			ra		

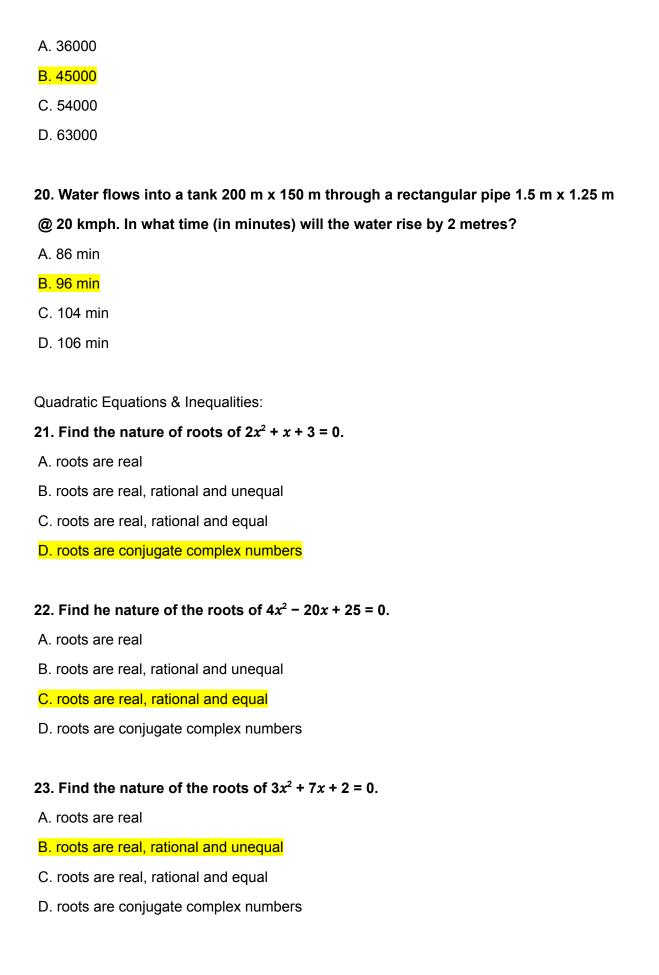
11. One side of a rectangular field is 15 i	n and one of its	s diagonals is 1	7 m. Find the
area of			

11. One side of a rectangular field is 15 m and one of its diagonals is 17 m. Find the area of
the field.
A. 100 m2
B. 120 m ²
C. 140 m2
D. 160 m2
12. A lawn is in the form of a rectangle having its sides in the ratio 2:3. The area of the lawn $\frac{1}{2}$
is 1/6
hectares. Find the length and breadth of the lawn.
A. 30 m
B. 40 m
C. 50 m
D. 60 m
13. Find the cost of carpeting a room 13 m long and 9 m broad with a carpet 75 cm wide at
the rate of Rs. 12.40 per square metre.
A. Rs. 1734.40
B. Rs. 1834.40
C. Rs. 1934.40
D. Rs. 2034.40
14. If the diagonal of a rectangle is 17 cm long and its perimeter is 46 cm, find the area of the $$ rectangle.
A. 100 cm ²
B. 120 cm2
C. 140 cm2
D. 160 cm2

15. The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq.cm. Find length of the rectangle. A. 10 cm B. 20 cm C. 30 cm D. 40 cm 16. Find the volume and surface area of a cuboid 16 m long, 14 m broad and 7 m high. A. Volume = 1268 m3 Surface area = 568 cm2 B. Volume = 1368 m3 Surface area = 668 cm2 C. Volume = 1468 m3 Surface area = 768 cm2 D. Volume = 1568 m3 Surface area = 868 cm217. Find the length of the longest pole that can be placed in a room 12 m long, 8 m broad and 9 m high. A. 16 m B. 17 m C. 18 m D. 19 m 18. The volume of a wall, 5 times as high as it is broad and 8 times as long as it is high, is 12.8 cu. metres. Find the breadth of the wall. A. 38 m B. 40 m C. 42 m D. 44 m

19. Find the number of bricks, each measuring 24 cm x 12 cm x 8 cm, required to construct a wall 24 m long, 8 m high and 60 cm thick, if 10 % of the wall is filled with

mortar?



24. For what values of x the expression $-7x^2 + 8x - 9$ is negative?

A. for all $x \in R$, f(x) is negative

- B. for all $x \in R$, f(x) is positive
- C. for all $x \in R$, f(x) = 0
- D. for all $x \in R$, $f(x) \ge 0$

25. For what values of x the expression $x^2 - 5x + 14$ is positive?

- A. for all $x \in R$, f(x) is negative
- B. for all $x \in R$, f(x) is positive
- C. for all $x \in R$, f(x) = 0
- D. for all $x \in R$, $f(x) \ge 0$

26. For what values of x the expression $x^2 - 4x - 32$ is positive?

A. f(x) > 0 for x > 8 and x < -4

- B. f(x) > 0 for x > 6 and x < -4
- C. f(x) > 0 for x > 4 and x < -8
- D. f(x) > 0 for x > 12 and x < -8

27. Find the quadratic equation whose one root is $3 - i\sqrt{2}$.

A.
$$x^2 - 6x + 11 = 0$$

B.
$$x^2 - 5x + 11 = 0$$

C.
$$x^2 - 4x + 12 = 0$$

D.
$$x^2 - 6x + 12 = 0$$

28. Find the quadratic equation whose one root is 1 + $\sqrt{5}$.

A.
$$x^2 - x - 4 = 0$$

B.
$$x^2 - 2x - 4 = 0$$

C.
$$x^2 - 3x - 4 = 0$$

D.
$$x^2 - 4x - 5 = 0$$

29. A train travels 360 kilometres at a consistent speed. It would have taken 1 hour less to

travel the same distance if the pace had been increased by 5 km/h. Determine the	ne
train's	



speed.

B. 40 km/hr

C. 50 km/hr

D. 60 km/hr

30. If one the roots of the equation px2 + qx + r = 0 is three times the other, then which one of the following relations is correct?

- A.p = q + r
- B. $q^2 = 24 pr$
- C. p + q + r = 1
- D. $3q^2 = 16 pr$

Logarithms:

31. Evaluate log5 3 × log27 25

- A. 1/3
- B. 2/3
- C. 3/4
- D. 5/6

32. Evaluate log9 27 - log27 9

- A. 1/3
- B. 2/3
- C. 3/4
- D. 5/6

33. Simplify: $(\log 75/16 - 2 \log 5/9 + \log 32/243)$

- A. log 2
- B. log 3
- C. log 4
- D. log 5

34. Find the value of x which satisfies the relation

$$\log 10.3 \times \log 10.(4x + 1) = \log 10.(x + 1) + 1$$

A. 5/2
B. 5/4
C. 7/2
D. 7/4
35. Simplify: $[\frac{1}{\log xy} (xyz) + \frac{1}{\log yz} (xyz) + \frac{1}{\log zx} (xyz)]$
A. 2
B. 3
C. 4
D. 5
36. If log10 2 = 0.30103, find the value of log10 50.
A. 1.69897
B. 2.69897
C. 3.69897
D. 4.69897
37. The value of log10 (0.0001) is:
A. 1/4
B1/4
C. −4
D. 4
38. The value of log0.01 1000 is:
A. 1/3
B1/3
C. 3/2
D3/2
39. If $\log x y = 100$ and $\log 2 x = 10$, then the value of y is:
A. 2 ¹⁰
B. 2 ¹⁰⁰
O 01000
C. 2 ¹⁰⁰⁰

D. 2¹⁰⁰⁰⁰

40. If $\log 2 = 0.30103$, the number of digits in 4^{50} is
A. 30
B. 31
C. 100
D. 200
Data Interpretation and Data Sufficiency:
41. The following table gives the sales of batteries manufactured by a company over the
years.
Number of Different Types of Batteries Sold by a Company Over the Years
(Numbers in Thousands)
1. What was the approximate percentage increase in the sales of 55AH batteries in 1998
compared to that in 1992?
A. 28%
B. 31%
C. 33%
D. 34%
2. The total sales of all the seven years is the maximum for which battery?
A. 4AH
B. 7AH
C. 32AH
D. 35AH
3. What is the difference in the number of 35AH batteries sold in 1993 and 1997?
A. 24000
B. 28000
C. 35000
D. 39000

4. The percentage of 4AH batteries sold to the total number of batteries sold was
maximum in the year?
A. 1994
B. 1995
C. 1996
D. 1997
5. In case of which battery there was a continuous decrease in sales from 1992 to 1997?
A. 4AH
B. 7AH
C. 32AH
D. 35AH
42. The bar graph given below shows the foreign exchange reserves of a country
(in million US \$) from 1991 - 1992 to 1998 - 1999.
01. The ratio of the number of years, in which the foreign exchange reserves are
above the average reserves, to those in which the reserves are below the average
reserves is?
A. 2:6
B. 3:4
C. 3:5
D. 4:4
02. The foreign exchange reserves in 1997-98 was how many times that in 1994-95?
A. 0.7
B. 1.2
C. 1.4
D. 1.5

previous year, is the highest?
A. 1992-93
B. 1993-94
C. 1994-95
D. 1996-97
04. The foreign exchange reserves in 1996-97 were approximately what percent of the
average foreign exchange reserves over the period under review?
A. 95%
B. 110%
C. 115%
D. 125%
05. What was the percentage increase in the foreign exchange reserves in 1997-98
over 1993-94?
A. 100
B. 150

C. 200

D. 620