

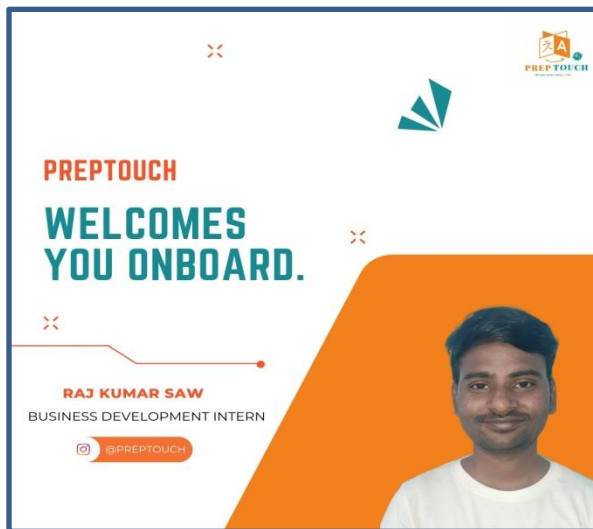


## Hitbullseye Level 1 LPU Aptitude Test 01

Computer Science (Anna University)



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# LEVEL 1: LPU APTITUDE TEST 01

Question No: .1

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

After the division of a number successively by

3, 4, and 7, the remainders obtained are 2, 1 and 4 respectively. What will be the remainder if 84 divide the same number ?

- ☐ 80
- ☐ 76
- ☐ 41
- ☒ 53

### Question No: 2

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Ghosh Babu thinks of a natural number, which is less than 100. This number has a property of being a perfect square as well as a perfect cube. What is the number of possible values that Ghosh Babu could have thought of?

- ☐ No value

- 2 values
- 1 value
- > 2 values

### Question No: 3

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If the roots of the quadratic equation  $ax^2 + bx + c = 0$  are  $\frac{a}{b}$  and  $\frac{b}{a}$  then the equation whose roots are  $a^2/b^2$  and  $b^2/a^2$  is

- $c^2x^2 + (b^2 + 2ac + c^2)x + c^2 = 0$
- $c^2x^2 + (b^2 - 2ac - c^2)x + c^2 = 0$
- $a^2c^2x^2 + (b^2 + 2ac + c^2)x + a^2c^2 = 0$
- $a^2c^2x^2 + (b^4 - 4ab^2c + 2a^2c^2)x + a^2c^2 = 0$

### Question No: 4

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**DIRECTIONS for the**

**question:** Solve the following question and mark the best possible option.

The average height of 10 students in a class is 105 cms. If 20 more students with an average height of 120 cms join them, what will be the average height of the whole class?

- ☐ 105 cms
- ☐ 110 cms
- ☐ 112 cms

- ☐ 115 cms

### Question No: 5

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

The average marks of a student in ten papers is 80. If the highest and the lowest score are not considered, the average is 81. If his highest score is 92, what is the lowest score ?

- ☐ 55
- ☒ 60
- ☐ 62
- ☐ 61

### Question No: 6

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**DIRECTIONS for the question:** Solve the following question and mark the best possible

option.

The function  $f(x)$  is defined as  $f(xy) = f(x) + f(y)$ . Also,  $f(2) = 3$  and  $f(3) = 2$ . Find the value of  $f(16/27)$ .

- ☐ 0
- ☒ 6
- ☐ 8
- ☐ None of these

### Question No: 7

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If  $f(m + n) = f(m) + f(n)$  and  $f(5) = 23$ , what is the value of  $f(12)$ ?

- ☐ 57.5
- ☐ 69
- ☒ 55.2

◉ 46

### Question No: 8

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

The sum of the series  $31 + 32 + 33 + \blacklozenge + t_n = 8050$ . What is the value of  $n$ ?

- ◉ 97
- ◉ 99
- ◉ 100
- ◉ 101

### Question No: 9

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

In an AP, the  $p^{\text{th}}$  term is  $q$  and the  $q^{\text{th}}$  term is  $p$ . What is  $(p \blacklozenge q)^{\text{th}}$  term?



- ☐  $p$
- ☒  $2q$
- ☐  $3p$
- ☐  $4p$

### Question No: 10

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A and B invest Rs. 3 lakh and Rs. 4 lakh in a business. A receives Rs. 1,000 per month out of the profit as remuneration for running the business and the rest of profit is divided in proportion to the  $\blacklozenge\blacklozenge$  investments. If in a year 'A' totally receives Rs 39,000, then what does B receive?

- ☒ Rs. 36,000
- ☐ Rs. 46,000
- ☐ Rs. 63,000

- Rs. 26,000

### Question No: 11

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

In a mixture of milk and water, the ratio of milk and water is 4 : 3, and total quantity of mixture is 105 litres. To change the ratio from 4 : 3 to 3 : 4, how much water need to be added in the mixture?

- 45
- 55
- 65
- 35

### Question No: 12

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**DIRECTIONS for the question:** Solve the following question and mark the best possible

option.

Marked price of an article is Rs. 275.

Shopkeeper allows a discount of 5% and he gets a profit of 4.5%. The actual cost of the article is

☒ 250

☐ 225

☐ 215

☐ 210

### Question No: 13

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

If the cost price of 15 articles is equal to the selling price of 12 articles, find gain %


☐ 20

☒ 25

☐ 18

### Question No: 14

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**DIRECTION**  *for the question:* Solve the following question and mark the best possible option.

Mohan credits 15% of his salary into his bank and spends 30% of the remaining amount on household articles. If cash on hand is Rs. 2,380/-, what is his salary ?

- Rs. 5,000
- Rs. 4,500
- **Rs. 4,000**
- Rs. 3,500

### Question No: 15

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**DIRECTION**  *for the question:* Solve the following question and mark the best possible

option.

Divya purchased 6 mangoes, 10 oranges and 5 apples for a certain amount. With 40% less amount Anu could purchase 3 mangoes, 5 oranges and 4 apples. What percentage of the total amount did Divya spend on apples?

- ☐ 25%
- ☒ 33.333%
- ☐ 40%
- ☐ can't be determined

### Question No: 16

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A man bought a horse and a carriage for Rs. 30000. He sold the horse at a gain of 20% and the carriage at a loss of 10%, thereby gaining 2% on the whole. Find the cost of the horse.

- ☐ Rs. 11000
- ☒ Rs. 12000
- ☐ Rs. 12500
- ☐ Rs. 11500

### Question No: 17

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

What is the simple interest for 9 years on a sum of Rs. 800 if the rate of interest for the first 4 years is 8% per annum and for the last 4 years is 6% per annum?

- ☐ 400
- ☐ 392
- ☐ 352
- ☒ Cannot be determined

## Question No: 18

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

The difference between the compound interest and simple interest for the amount Rs. 5,000 in 2 years is Rs. 32. The rate of interest is

- ☐ 5%
- ☒ 8%
- ☐ 10%
- ☐ 12%

## Question No: 19

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

A and B alone can each complete a task in 4 hours and 3 hours respectively. With C's

help, they can together complete the task in an hour. How long will C alone take to complete the task?

- ☐ 2 hrs 40 min
- ☐ 2 hrs 36 min
- ☒ 2 hrs 24 min
- ☐ 2 hrs 30 min

### Question No: 20

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**DIRECTIONS *for the question:*** Solve the following question and mark the best possible option.

A pipe can fill a tank in 15 hours. Due to a leak in the bottom, it is filled in 20 hours. If the tank is full, how much time will the leak take to empty it?

- ☐ 30hrs
- ☐ 40hrs
- ☐ 50hrs



☐ 60hrs

### Question No: 21

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Train A, travelling at 126 kmph, overtook train B, travelling in same direction, in 15 seconds. If train B had been travelling at twice its speed, then train A would have taken 30 seconds to overtake it. Find the length of train B, if it is one-fourth the length of train A.

- ☐ 35 m
- ☒ 70 m
- ☐ 100 m
- ☐ 175 m

### Question No: 22

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**DIRECTIONS for the question:** Solve the

following question and mark the best possible option.

A car travelled from city X to city Y in 1 hour while another car which started at the same time travelled from city Y to city X in 84 minutes. After how many minutes did the two cars meet?

- ☐ 58 min
- ☐ 48 min
- ☒ 35 min
- ☐ 28 min

**Question No: 23- C**

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Ram can row a boat in still water at 10 kmph. He decides to go boating in a river. To row upstream he takes 2 hours and to row downstream he takes  $1\frac{1}{2}$  hours. Find the speed of the river (in kmph).

☐  $\frac{5}{7}$

☐  $\frac{4}{3}$

☐  $\frac{10}{7}$

☐ None of these

### Question No: 24

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

In how many ways 5 balls of distinct colors can be put in 5 boxes of same colors (1 ball in 1 box) such that no ball goes to the box of its own color?

☐ 41

☐ 42

☐ 43

☐ None of these

## Question No: 25

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

At the farewell party of class X, every student in the class exchanged his or her photograph with every other student. If a total of 6006 photographs were exchanged, how many students were present at the party?

- ☐ 68
- ☐ 74
- ☒ 78
- ☐ 84

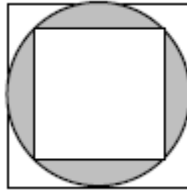
## Question No: 26

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

In the diagram below, the area of the shaded region is  $224 \text{ m}^2$ . What is the area of the outer

square?



- ☐ 196 m<sup>2</sup>
- ☐ 841 m<sup>2</sup>
- ☐ 462 m<sup>2</sup>
- ☒ 784 m<sup>2</sup>

**Question No: 27-B**

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Henry bought a triangular piece of land of area 150 m<sup>2</sup>. He took a piece of rope and measured the two sides of the plot and found the largest side to be 50 m long and another side to be 10 m long. What is the exact length of the third side?

- ☒  $40\sqrt{3}$  m

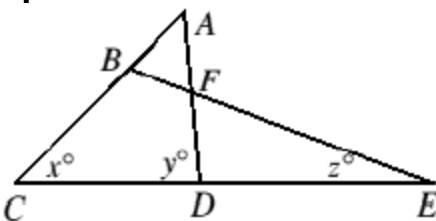
$$30\sqrt{2}$$

☐  $\sqrt{1560} \text{ m}$

☐  $24\sqrt{2} \text{ m}$

## Question No: 28

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.



In the figure shown,  $AB = AF$  and  $ABC$ ,  $AFD$ ,  $BFE$ , and  $CDE$  are all straight lines. Which of the following expressions gives  $z$  in terms of  $x$  and  $y$ .

☐  $(y - x)/2$

☐  $y - x/2$

☐  $(y - x)/3$

☐  $y - x/3$

### Question No: 29

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

I recently returned from a trip. Today is Thursday. I returned three days before the day after the day before tomorrow. On what day did I return?

☐ Sunday

☐ Monday

☒ Tuesday

☐ Wednesday

### Question No: 30

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**DIRECTIONS for the question :** Solve the following question and mark the best possible option.

If  $\log 2 = 0.3010$  and  $\log 3 = 0.4771$ , the value of  $\log_5 512$  is:

- ☐ 2.870
- ☐ 2.967
- ☒ 3.876
- ☐ 3.912

**Question No: 31-B**

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**DIRECTIONS for the question :** Solve the following question and mark the best possible option.

If  $\log_3 x + \log_9 x + \log_{81} x = 4$ , then the value of  $x$  is:

- ☐  $3^{\frac{8}{7}}$
- ☐  $3^{\frac{16}{7}}$
- ☐  $3^{\frac{10}{7}}$



## Question No: 32

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

There are a total of 180 students. Of these, 75 speak English and 45 speak French. 20 students speak English and French. No student speaks both French and German. 30 students speak English and German. If 70 students speak German and no student who speaks any of the above languages speaks Hindi, what is the number of students who speak languages other than English, German and French?

- ☐ 0
- ☐ 20
- ☐ 30
- ☒ 40

## Question No: 33

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

21 boys turn out for an NCC parade. Of these 19 are wearing NCC caps and 11 are wearing NCC shoes. There are no boys without one or the other. How many boys are wearing the full uniform?

- ☐ 2
- ☐ 6
- ☒ 9
- ☐ 10

DL

## Question No: 1

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What is the respective ratio of total number of people applying for LIG, MIG and HIG flats in all the cities together?

- ☐ 24 : 21 : 19
- ☐ 8: 7: 6
- ☒ 71 : 63 : 57
- ☐ 48 : 42 : 37
- ☐ None of these

**Question No: 2**

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What is the total number of people applying for MIG flats in all the cities together (in thousands)?

- ☐ 1775
- ☐ 1425
- ☐ 1625
- ☒ 1575
- ☐ None of these

**Question No: 3**

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Number of people applying for LIG flats in Pune forms what percent of total number of people applying from all the categories in Pune?  
(Rounded off to two digits after decimal)

- 41.67
- 54.16
- 35.29
- 44.44

○

None of these

### Question No: 4

**DIRECTIONS**  *for the question:*  *The 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.*



If  $ab < 3$ , is  $a < 1$ ?



i.  $b > 3$



ii.  $a + b = 3$

- if the data in statement (i) alone is sufficient to answer the question;
- if the data in statement (ii) alone is sufficient to answer the question;

- if the data in both the statements together are needed;
- if either statement (i) alone or statement (ii) alone suffices to answer the question;
- if even by combining both the statements the answer can not be found ;

### Question No: 5

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**DIRECTIONS**  *for the question:*  *The 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.*



What is the value of y?



i.  $y = (x^2 - 5x + 4) / (x - 1)$

ii.  $x = 2$

- if the data in statement (i) alone is sufficient to answer the question;
- if the data in statement (ii) alone is sufficient to answer the question;

- if the data in both the statements together are needed;
- if either statement (i) alone or statement (ii) alone suffices to answer the question;
- if even by combining both the statements the answer can not be found ;

### Question No: 6

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**DIRECTIONS for the questions:** Mark the best option:

In a certain code 'DESCRIBE' is written as 'FCJSDTFE◆'. How will 'CONSIDER' be written in that code?

- **SFEJTOPD**
- SEFJTOPD
- QFETJOPD
- QEFJTOPD
- None of these

### Question No: 7

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**DIRECTIONS for the question:** Mark the best option:

In a certain code GOAL is written as AGLO

and BEAR is written as ABRE. How is SEND written in that code?

- ☒ NSDE
- ☐ NDES
- ☐ DENS
- ☐ SNED
- ☐ None of these

### Question No: 8

**DIRECTIONS for the question:** Mark the best option:

How many 7s are there in the following sequence which are immediately preceded by 4 but not immediately followed by 2

?◆◆◆◆◆◆◆◆◆◆

4 7 2 7 2 3 5 9 7 4 7 5 2 4 7 9 4 7 8 4 7 1

- ☐ 1
- ☐ 2
- ☐ 3
- ☒ 4
- ☐ More than 4

### Question No: 9

**DIRECTION for the question:** What should come in place of question mark (?) in the following number series?

64 512 1728 4096 8000 13 824 ?

- 15625
- **21952**
- 19683
- 17576
- 12167

### Question No: 10

**DIRECTIONS for the question:** Solve the following question and mark the most appropriate option.

How many such pairs of letters are there in the word DONATIVE; each of which have as many letters between them in the word, as they have in English alphabet?

- None
- One



- Two
- Three
- **More than three**

### Question No: 11

**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

'P © Q' means 'P is not greater than Q'

'P \$ Q' means 'P is not smaller than Q'

'P @ Q' means 'P is neither smaller than nor greater than Q'

'P \* Q' means 'P is neither equal to nor greater than Q'.

'P % Q' means 'P is neither smaller than nor equal to Q'.



Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.



**Statements :**  $D @ M$ ,  $M \$ B$ ,  $B * R$ ,  $R \% T$

**Conclusions:** I.  $B * D$

◆?

◆? II.  $B @ D$

◆?

◆? III.  $T * M$

◆?

- None is true
- Only I is true
- Only II is true
- Only III is true
- **Only either I or II is true**

**Question No: 12**

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**DIRECTIONS for the question:** In the question, some symbols are used which define the relationship between two categories. Using those, solve the question and mark

' $P @ Q$ ' means 'P is not greater than Q'

' $P \$ Q$ ' means 'P is not smaller than Q'

' $P @ Q$ ' means 'P is neither smaller than nor greater than Q'

' $P * Q$ ' means 'P is neither equal to nor greater than Q'.

' $P \% Q$ ' means 'P is neither smaller than nor

equal to Q'.



Now in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III given below them is/are definitely true and give your answer accordingly.



**Statements :**  $W \odot F, F @ D, D * K, K \$ J$

**Conclusions:** I.  $K \% W$



II.  $D \$ W$



III.  $F * K$



- ☐ Only I and II are true
- ☐ Only I and III are true
- ☐ Only II and III are true
- ☐ All I, II and III are true
- ☐ None of these

**Question No: 13**

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**DIRECTIONS for the question:** Solve the following question and mark the best possible

option.

W walked 30 metres towards South, took a left turn and walked 50 metres, again he took a left turn and walked 30 metres. How far is he from the starting point ?

- ☐ 80 metres
- ☐ 100 metres
- ☐ 130 metres
- ☐ 50 metres
- ☐ None of these

### Question No: 14

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**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Manila walks a distance of 6 km towards North, then turns left and walks for 4 km. He again turns left and walks for 6 km. At this point he turns to left and walks for 6 km. How many kilometers is he from the starting point?

- ☐ 10 km
- ☐ 6 km

- 4 km
- 2 km
- None of these

### Question No: 15

**DIRECTIONS** for the question: The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Statements : Some phones are cells. All cells are batteries. Some batteries are tools

Conclusions : I. Some tools are cells.



II. Some batteries are phones.

?














- if only conclusion I follow
- if only conclusion II follow



























































- if either conclusion I or conclusion II follow
- if neither conclusion I nor conclusion II follow
- if both conclusions I and II follow

## Question No: 16

**DIRECTIONS**  *for the question:*  The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Statements           :    All numbers are letters. Some letters are words. Some words are symbols.

Conclusions           :    I. Some symbols are letters.

                                                          II. Some words are numbers.







- if only conclusion I follow
- if only conclusion II follow
- if either conclusion I or conclusion II follow
- **if neither conclusion I nor conclusion II follow**
- if both conclusions I and II follow

### Question No: 17

**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

Statements    :    All keys are cards. All cards are locks. No keys are doors.    

Conclusions   :    I.  No lock is door.

     II. Some locks are doors.





- if only conclusion I follow
- if only conclusion II follow
- **if either conclusion I or conclusion II follow**
- if neither conclusion I nor conclusion II follow
- if both conclusions I and II follow

### Question No: 18

**DIRECTIONS for the question:** Study the following information carefully to answer the question:



Eight members P, Q, R, S, T, V, H & L are sitting in two rows with equal number of members in each row. Members of one row are facing North and those in the other row are facing South. Each member in one row is sitting exactly opposite a member in the other row.

P sits in the row facing North, to the immediate right of H who is exactly opposite of R. L is to the immediate right of R and S is exactly opposite of T who is to the immediate right of P. V does not sit at any of the ends of any row. Which of the following members sit at the ends



of the same row?

- TH
- SR
- LQ
- LT
- **None of these**

### Question No: 19

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**DIRECTIONS** *for the question:* Study the following information carefully to answer the question:



Eight members P, Q, R, S, T, V, H & L are sitting in two rows with equal number of members in each row. Members of one row are facing North and those in the other row are facing South. Each member in one row is sitting exactly opposite a member in the other row.

P sits in the row facing North, to the immediate right of H who is exactly opposite of R. L is to the immediate right of R and S is exactly opposite of T who is to the immediate right of P. V does not sit at any of the ends of any row.

Who sits opposite of P?

- L
- Q
- V
- Cannot be determined
- None of these

### Question No: 20

**DIRECTIONS** *for the question: Study the following information carefully to answer the question:*



Eight members P, Q, R, S, T, V, H & L are sitting in two rows with equal number of members in each row. Members of one row are facing North and those in the other row are facing South. Each member in one row is sitting exactly opposite a member in the other row.

P sits in the row facing North, to the immediate right of H who is exactly opposite of R. L is to the immediate right of R and S is exactly opposite of T who is to the immediate right of P. V does not sit at any of the ends of any row. Which of the following members sit exactly opposite each other?

- ☐ VQ
- ☐ LV
- ☐ **VH**
- ☐ VP
- ☐ None of these

### Question No: 21

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**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

- (i) There are 8 friends A, B, C, D, E, F, G, H seated in a circle facing the centre.
- (ii) AC, DG, HE and FB are seated adjacent to each other. A is also seated adjacent to H.
- (iii) B is 2nd to the right of H.
- (iv) E is 3rd to the right of C.



Who is 2nd to the left of A ?



- ☐ D
- ☐ G
- ☐ F
- ☐ **Cannot be determined**

- None of these

### Question No: 22

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**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

- (i) There are 8 friends A, B, C, D, E, F, G, H seated in a circle facing the centre.
- (ii) AC, DG, HE and FB are seated adjacent to each other. A is also seated adjacent to H.
- (iii) B is 2<sup>nd</sup> to the right of H.
- (iv) E is 3<sup>rd</sup> to the right of C.



Who is 3<sup>rd</sup> to the left of C ?



- G
- D
- B
- **Cannot be determined**
- None of these

### Question No: 23

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**DIRECTIONS for the question:** Read the

information given below and answer the question that follows.

- (i) There are 8 friends A, B, C, D, E, F, G, H seated in a circle facing the centre.
- (ii) AC, DG, HE and FB are seated adjacent to each other. A is also seated adjacent to H.
- (iii) B is 2nd to the right of H.
- (iv) E is 3rd to the right of C.



What is C's position with reference to E ?



- ☐ 5th to the right
- ☐ 4th to the left
- ☐ 4th to the right
- ☐ 3rd to the right
- ☐ 5th to the left

### Question No: 24

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Vikas Mehrotra is a graduate and postgraduate in Economics with 70% and 60% marks respectively. He has also got PhD in Economics in 2005 at the age of 26 years. Immediately after submitting his PhD thesis in July 2005, he joined a private bank as a Finance Executive.

He has cleared the selection test with 64% marks.

- if the candidate is to be selected.
- if the case is to be referred to the Board of Directors
- if the case is to be referred to the Vice-President
- if the data provided is not adequate to take a decision
- if the candidate is not to be selected

### **Question No: 25**

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Shyam Lal, an Economics graduate with 68% marks, did his post graduation in Economics in 2004 at the age of 24 years. He has cleared the selection test with 70% marks. He has secured a second class with 56% marks at post-graduation. He has been working as an officer since December 2004.

- if the candidate is to be selected
- if the case is to be referred to the Board of Directors
- if the case is to be referred to the Vice-President

- if the data provided is not adequate to take a decision
- if the candidate is not to be selected

### **Question No: 26**

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Ranjana is a graduate in Economics and MBA in Finance with 70% marks at each level. She is 25 years old and has been working as a Finance Executive for the last 2 years. She has cleared the selection test with 60% marks.

- if the candidate is to be selected.
- if the case is to be referred to the Board of Directors.
- if the case is to be referred to the Vice-President.
- if the data provided is not adequate to take a decision.
- if the candidate is not to be selected.

### **Question No: 27**

---

**DIRECTIONS for the question:** *Given an input line the machine arranges the words and numbers*

*step by step in a systematic manner as illustrated below :*

◆

Input◆◆◆ :◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ subsidy 76  
48 follow 35 next 63 must

Step I◆◆ :◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 76  
48 follow next 63 must

Step II◆ :◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48  
76 follow next 63 must

Step III :◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48  
next 76 follow 63 must

Step IV:◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 next  
63 76 follow must

Step V :◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 next  
63 must 76 follow

Output in Step V is the final output and  
Step V is the last step.

◆

As per the rules followed in the above steps,  
find out in each of the following questions the  
appropriate step for the given input.

If the second step of an input is "21 white  
direct 72 status front 37 69", how many more  
steps are required to complete the



arrangement?

- Three
- Four
- **Five**
- Six
- None of these

### Question No: 28

**DIRECTIONS** *for the question: Given an input line the machine arranges the words and numbers step by step in a systematic manner as illustrated below :*

◆

Input ◆◆◆ : ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ subsidy 76 48  
follow 35 next 63 must

Step I ◆◆ : ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 76  
48 follow next 63 must

Step II ◆ : ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 76  
follow next 63 must

Step III : ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 next  
76 follow 63 must

Step IV: ◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 next  
63 76 follow must

Step V : ◆◆◆◆◆◆◆◆◆◆ 35 subsidy 48 next  
63 must 76 follow

Output in Step V is the final output and Step  
V is the last step.



As per the rules followed in the above steps,  
find out in each of the following questions the  
appropriate step for the given input.

What will be the third step for the input "17 85  
pearls garland 67 93 restriction judgement"?

- 17 restriction 67 pearls garland 85 93 judgement
- 17 restriction 67 pearls 93 garland 85 judgement
- 17 restriction 85 pearls 67 garland 93 judgement
- 17 restriction 67 pearls 85 garland 93 judgement
- None of these

**Question No: 29**

---

**DIRECTIONS for the question:** Given an input  
line the machine arranges the words and numbers  
step by step in a systematic manner as illustrated  
below :



Input ◆◆◆ : ◆◆◆◆◆◆◆◆◆◆ subsidy 76 48

follow 35 next 63 must

Step I  $\diamond \diamond : \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond$  35 subsidy 76  
48 follow next 63 must

Step II  $\diamond :$   $\diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond$  35 subsidy 48 76  
follow next 63 must

Step III  $:$   $\diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond$  35 subsidy 48 next  
76 follow 63 must

Step IV  $:$   $\diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond$  35 subsidy 48 next  
63 76 follow must

Step V  $:$   $\diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond \diamond$  35 subsidy 48 next  
63 must 76 follow

Output in Step V is the final output and Step  
V is the last step.



As per the rules followed in the above steps,  
find out in each of the following questions the  
appropriate step for the given input.

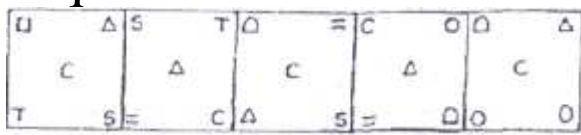
If the fourth step of an input is "35 wealth 52  
task 72 57 jogging playground" what will  
definitely be the first step?

- task wealth 35 52 57 jogging 72 playground
- wealth task 35 52 57 jogging 72 playground
- wealth task 35 52 jogging 57 72 playground
- **Cannot be determined**

- None of these

### Question No: 30-E

**DIRECTIONS for the question:** In the question given below which one of the answer figures should come after the problem figures given, if the sequence were continued?



- 
- 
- 
- 
- 

### Question No: 31-B

**DIRECTIONS for the question:** In the question given below which one of the answer figures should come after the problem figures given, if

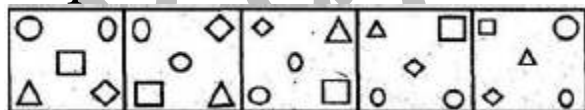
the sequence were continued?



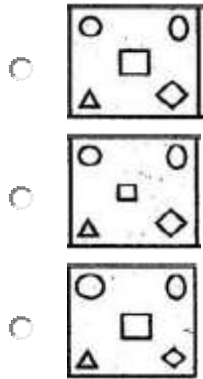
- ☐
- ☐
- ☐
- ☐
- ☐

**Question No: 32-D**

**DIRECTIONS for the question:** In the question given below which one of the answer figures should come after the problem figures given, if the sequence were continued?



- ☐
- ☐



VERBAL

### Question No: 1

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.

The keys are \_\_\_\_\_ the kitchen counter

- ☐ At
- ☒ On
- ☐ Upon
- ☐ In

### Question No: 2

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.

Just be yourself \_\_\_\_\_ fear not.

- ☐ but

☐ and

☐ to

☐ or

### Question No: 3

---

**DIRECTIONS for the question:** Fill in the blank with the right options provided.  
We received \_\_\_\_\_ information about the patient's treatment.

☐ an

☐ a

☐ the

☐ None of these

### Question No: 4

---

**DIRECTIONS for the question:** Identify the correct part of speech of the underline word.  
There is more evidence yet to be offered.

☐ verb

☐ adverb

☐ preposition

☐ none of the above

## Question No: 5

---

**DIRECTIONS for the question:** Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. if there is 'No Error" the answer is (D). (Ignore errors of punctuation if any.)

None could dare to encroach on his rights.

- ☐ None could
- ☐ dare to encroach
- ☐ on his rights.
- ☐ No error

## Question No: 6

---

**DIRECTIONS for the question:** Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. if there is 'No Error" the answer is (D). (Ignore errors of punctuation if any.)

When shall we arrive to our destination?



- When shall we
- arrive
- to our destination
- No error

### Question No: 7

---

**DIRECTIONS for the question:** Choose the pair of words which best expresses the relationship similar to that expressed in the capitalized pair.

DENTIST : TEETH ::

- Paleontologist: Monuments
- Dermatologist : Skin
- Astrologist: Past
- Genealogist: Genes

### Question No: 8

---

**DIRECTIONS for the question:** Choose the trio of words which best expresses the relationship similar to that expressed in the capitalized pair.

CLASS : SCHOOL : STUDENT

- Ball : Bat : Pitch
- Sister : Family : Brother
- Hand : Body : Finger
- Leaf : Tree : Root

### Question No: 9

---

**DIRECTIONS for the question:** Choose the trio of words which best expresses the relationship similar to that expressed in the capitalized pair.

Select the group of words that has same relation as in the Given group: ◆

INK: PEN: PAPER

- Watch: Dial: Strap
- Book: Paper: Words
- Farmer: Plough: Field
- Colour: Brush: Canvas

### Question No: 10

---

**DIRECTIONS for the question:** A part of the sentence has been omitted and four alternate ways of phrasing the blank text have been

given in the options below. Choose the option that provides the most meaningful sentence.



Climate change has been \_\_\_\_\_ in the developing countries.

- identified as a new battleground, as an elaborate conspiracy by developed world to throttle growth
- identified as the new battleground, as an elaborate conspiracy by the developed world for throttling the growth
- identified as the new battleground, as the elaborate conspiracy by the developed world to throttle growth
- identified as the new battleground, as an elaborate conspiracy by the developed world to throttle growth

### Question No: 11

**DIRECTIONS for the question:** Look at the underlined part of each sentence. Below each sentence are given three possible substitutions for underlined part. If one of them (A), (B) or (C) is better than the underlined part, indicate

your response. If none of the substitutions improve the sentence, indicate (D) as your response which will signify a **❖No improvement❖** response.

Will you lend me few rupees in this hour of need?

- borrow me a few rupees
- lend me any rupees
- **lend me a few rupees**
- No improvement

### Question No: 12

---

**DIRECTIONS for the question:** Look at the underlined part of each sentence. Below each sentence are given three possible substitutions for underlined part. If one of them (A), (B) or (C) is better than the underlined part, indicate your response. If none of the substitutions improve the sentence, indicate (D) as your response which will signify a **❖No improvement❖** response.

She has decided to canvas for the Conservative Party.

- ☐ advertise
- ☒ canvass
- ☐ canvassing
- ☐ No improvement

### Question No: 13

---

**DIRECTIONS for the question:** Select the best option which completes the sentence (s) in the most meaningful manner

I .....that I witnessed the signing of his will.

- ☐ Censure
- ☐ Carry
- ☐ Canvass
- ☒ Certify

### Question No: 14

---

**DIRECTIONS for the question:** Select the best option which completes the sentence (s) in the most meaningful manner

Rahul Gandhi is a .....of the Gandhi family.

- ☐ belaud
- ☐ Stoic

- Default
- **Descendant**

### Question No: 15

**DIRECTIONS for the question:** Pick the best option which completes the sentence in the most meaningful manner.

I \_\_\_\_\_ scorpions, they are diabolic.



i. Hate

Scare

iv. Wary

Cagey



- i, v
- v, iii
- **i, iii**
- ii, iv

### Question No: 16

**DIRECTIONS for the question:**

Following are 4 segments of a scrambled

sentence marked as A, B, C & D. Choose the alternative with the order of segments that best reconstruct the sentence.

◆?

◆?

A. ◆ applicable equally to the peer or peasant.

B. ◆ prevailing in his particular class.

C. ◆◆ who cannot maintain the standard of life.

D. ◆◆ poverty is a relative term.

☐ DACB

☐ ADCB

☐ BCAD

☐ DCAB

**Question No: 17**

---

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

(i) She was so innovative that she had begun to include the songs composed by Rabindranath Tagore in her repertoire even before the word "Rabindra Sangeet" was

coined.

(ii) Gauhar knew she could gain the goodwill of the Bengali babus by singing as many Bengali songs as she could in her soirees.

(iii) Instead, she rendered them in her own style, giving them a classical twist.

(iv) Gauhar was not afraid to defy the norms and in fact she seldom used the tunes that Tagore had set his songs to.



- i, ii, iii, iv
- ii, iv, iii, i
- **ii, i, iv, iii**
- iv, ii, i, iii

### Question No: 18

---

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

(i) At dusk, I allowed Adele to put away books and work, and to run downstairs.

(ii) Twilight and snowflakes together thickened the air and hid the very shrubs in the lawn.



(iii) The afternoon was wild and snowy and we passed it in the schoolroom.

(iv) Left alone, I walked to the window but nothing was to be seen there.



- ☐ i, ii, iii, iv
- ☒ iii, i, iv, ii
- ☐ i, iii, iv, ii
- ☐ iv, iii, ii, i

### Question No: 19

---

According to the passage, the state of affairs in Iceland is due to

A. financial collapse of 2008.

B. the creditor nations are in dire straits themselves.

C. Iceland was one of the first economies to have fallen in 2008.

- ☒ A, B and C
- ☐ A and C
- ☐ A and B
- ☐ B and C

### Question No: 20

---

It can be inferred from the passage that

- Iceland is a poor country
- Iceland is trying to repay the loan to the creditor nations
- Lehman Brothers have not given enough loans to Iceland
- The citizens of Iceland are not hard-working

### **Question No: 21**

---

According to the passage, subjects that are not discussed include

- Recession in the world economy
- Why Iceland is defaulting on repayment of its loans
- The revolt within the country for immediate repayment of loan to creditors
- UK and Netherlands have not agreed to sanction additional loans

### **Question No: 22**

---

According to the passage, which one of the following inferences is **not** true?

- Icelanders have actually revolted

- The creditor nations were not happy at the defaults by Iceland
- The three major banks of Iceland - Glitnir, Kaupthing and Landsbanki – have collapsed
- Iceland's President, Ólafur Grímsson resorted to delaying tactics

### Question No: 23

---

**DIRECTION for the question:** *The passage below is followed by a question based on it. Read the passage and choose the best answer to each question.*

Our school district should not spend its money on the new remedial English reading program. After all, our students get all the reading practice they need by studying history and science. The argument above depends on which the following assumptions?

- The remedial English reading program would not help the students learn history and science
- Other reading programs are just as effective but less expensive than the remedial English reading program
- The remedial English reading program involves only reading practice

- Teaching students history and science is more important than teaching them reading skills

### Question No: 24

---

**DIRECTIONS for the question:** Answer the question based on the following passage.

The increase in the number of newspaper articles exposed as fabrications serves to bolster the contention that publishers are more interested in boosting circulation than in printing the truth. Even minor publications have staff to check such obvious fraud.

The argument above assumes that

- newspaper stories exposed as fabrications are a recent phenomenon
- everything a newspaper prints must be factually verifiable
- fact checking is more comprehensive for minor publications than for major ones.
- the publishers of newspapers are the people who decide what to print in their newspapers

### Question No: 25

---

**DIRECTION for the question:** The following question is based on the passage given below. Answer the question by choosing the best option on the basis of what the question asks for?



Twenty percent of all energy consumed in the country is consumed by home appliances. If appliances that are twice as energy-efficient as those currently available are produced, this figure will eventually be reduced to about ten percent.



The argument above requires which of the following assumptions?

- Home appliance usage would not increase along with the energy efficiency of the appliances
- The percentage of energy consumed by home appliances will increase if existing appliances are not replaced by more energy efficient models
- It would not be expensive to produce home appliances that are energy-efficient
- Home-appliance manufacturers now have the technology to produce appliances that are twice

as energy-efficient as those currently available.

### Question No: 26

---

**DIRECTIONS for the question:** For each of the words below, a contextual usage is provided. Pick the word from the alternatives given that is most appropriate in the given context.

In the vast majority of cases the condition is temporary and mild, causing only----- discomfort.

- ☐ Dominant
- ☐ Wassail
- ☐ Primary
- ☐ **Transient**

### Question No: 27

---

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

A. Of course, the training was damn tough, both physically and mentally.

B. But, once he became a fighter pilot in the Air Force, he was the happiest man going around.

C. As a child, watching flying aircraft was a passion for him.

D. So, he took the NDA exam to become a pilot in the Air Force.

E. He thought flying was the best career for him.

- DCBAE
- **CEDAB**
- BADEC
- EACDB

### Question No: 28

---

**DIRECTION for the question:** Answer the question based on the information given in the passage.

Alcohol companies have been complaining for a very long time that they have to pay the highest amount of taxes, yet they are not allowed to directly advertise to their clientele. ❖ They believe this is inherently unfair and actually causing a loss of revenue to the government, as by allowing them to advertise, the overall sales of alcohol will go up even

further, and bring in greater revenue for the government. The government does not pay heed to this demand as it does not see merit in the argument of the alcohol companies.



Which, out of the following, justifies the action of the government?

- The government's responsibility is not only to earn profit but also to ensure that its citizens are healthy and wise.
- The government can clearly see through the fact that an increase in alcohol consumption is not actually possible.
- The government is the one that bears the cost of patient care due to alcohol abuse, and increasing existing levels of alcohol consumption fractionally will lead to an exponential increase in alcohol abuse.
- The government is bound by its ethical duty to perform the functions of the state, and its function is definitively not to act on behalf of the companies.

**Question No: 29**

---



**DIRECTIONS for the**  
**question:** Choose the correct  
Synonym of the word in bold  
letters

### Low-Key

- ☐ official
- ☐ secret
- ☐ subdued
- ☐ complicated

**Question No: 30**

---

**DIRECTIONS for the**  
**question:** Choose the correct  
Synonym of the word in bold  
letters

### Glib

- ☐ dull
- ☐ thin
- ☐ weak
- ☐ fluent

**Question No: 31**

---

**DIRECTIONS for the**

**question:** Choose the word from the options which is most **Similar** in meaning to the given word.

**Accuse**

- ☐ Belaud
- ☐ Exhilarating
- ☒ Implicate
- ☐ Announce

**Question No: 32**

---

**DIRECTIONS for the**

**question:** Choose the word from the options which is **Opposite** in meaning to the given word.

**Dutiful**

- ☐ Whimsical
- ☐ pious
- ☒ Irresponsible
- ☐ Reverence

**Question No: 33**

---

**DIRECTIONS for the**

**question:** Choose the word from the options which is most **Similar** in meaning to the given word.

**Bunk**

- ☐ Accuse
- ☐ Reciprocate
- ☐ Indecent
- ☒ **Escape**

**Question No: 34**

---

**DIRECTIONS for the**

**question:** Choose the word from the options which is **Opposite** in meaning to the given word.

**Malleable**

- ☐ flexible
- ☒ **rigid**
- ☐ weak
- ☐ slippery

**Question No: 35**

---

**DIRECTIONS for the**

**question:** Choose the word from the options which is **Opposite** in meaning to the given word.

Tolerable

- Supportable
- Acceptable
- **Objectionable**
- Endurable