

## About Essar

Essar Global Limited (EGL) is a diversified business corporation with a balanced portfolio of assets straddling the manufacturing and services sectors: Steel, Energy, Power, Communication, Shipping & Logistics, and Construction. EGL, through its six sectoral holding companies, has an enterprise value of over US \$ 50 billion (INR 200,000 crores) and employs 30,000 people worldwide.

With a firm foothold in India, Essar Global has been focusing on global expansion with projects/investments in Canada, USA, Africa, the Middle East, the Caribbean and South East Asia. Among its recent global acquisitions are the Ontario (Canada) based Algoma Steel and US-based companies, Minnesota Steel, as well as Global Vantage.

EGL has an excellent track record, having succeeded in the capital intensive and competitive manufacturing sectors. Better focus for each business through integration, incorporation of state-of-the-art technology and innovative in-house research has made Essar Global a leading player in each of its businesses.

## History

The Essar group was founded over three decades ago by the Ruia family and is headed by Chairman Shashi Ruia and Vice-Chairman Ravi Ruia. The Ruia family has been in business and trading since the 1800s, when the family first moved to Mumbai from Rajasthan in Western India. In 1956, Nand Kishore Ruia, the group founder, moved south to Chennai to begin independent business activities. In 1969, following the untimely demise of Nand Kishore Ruia, his sons Shashi and Ravi Ruia took over the group. Along with a team of seasoned professionals, the Ruias have built the perfect platform for Essar's accelerating growth. With a strong foundation at India's industrial core and in the sunrise services sector, Essar has stayed firmly in the forefront of new opportunities. An early start has made us a key player in India's exploding telecom market. Similarly, we set up India's first independent power plant and its first new generation private steel plant.

Touching millions of lives For decades, we have quietly touched the lives of millions of people with the steel to build cars, the oil to fuel factories, the power to light up thousands of lives and the pipe lines to bring drinking water to remote villages. Today, we have come closer by connecting customers with our cellular phone services and talking to thousands of people through our call centres, a countrywide chain of fuel outlets and marketing steel at the retail level.

## Mission

To create enduring value for customers and stakeholders in core manufacturing and service businesses, through world-class operating standards, state-of-the-art technology and the '**positive attitude**' of our people.

#### Management Team Essar Group

Shri. Shashi Ruia	Chairman
Shri. Ravi Ruia	Vice Chairman
Shri. Prashant Ruia	Director
Shri. Anshuman Ruia	Director
Ms. Smiti Ruia	Director
Shri. Rewant Ruia	Director

#### Corporate Functions

Mr. S. V. Venkatesan	Resident Director - Chennai
Mr. J. Mehra	Resident Director - New Delhi
Mr. Jayesh Buch	Resident Director - Ahmedabad
Mr. Madhu S. Vuppuluri	Resident Director - New York
Mr. Suresh Sundaram	Director - Corporate Aviation
Mr. Adil Malia	President - Human Resources
Mr. Sunil Bajaj	President - Corporate Affairs
Mr. Mukesh Bhavnani	President - Legal
Mr. Vijay Mehra	Chief Information Officer
Mr. Manish Kedia	Head - Corporate Communications
Mr. N. S. Paramasivam	Head - Forex & Treasury
Mr. Dinyar M. Jivaasha	Head - Corp. Risk & Ins. Mgmt.

Each company within the Essar Group is independently and professionally run by a team of professionals in each field. For more details about the Management Team of each of our Group companies, click on the respective Company names, as listed below.

- [Essar Steel Ltd.](#)
- [Essar Power Ltd.](#)
- [Essar Shipping Ltd.](#)
- [Essar Constructions Ltd.](#)
- [Essar Oil Ltd.](#)

#### **Essar Test Paper**

## ESSAR GROUPS

### PROCEDURE:

- STAGE I : WRITTEN TEST (ELIMINATION)
- STAGE II : GROUP DISCUSSION (ELIMINATION)
- STAGE III : [INTERVIEW](#) (ELIMINATION)

### Essar Whole Testpaper2

ESSAR PAPER ON 14th AUGUST

Hi friend.....This is just to give a brief idea about ESSAR STEEL selection procedure.....

#### **PATTERN:**

**Written Test,  
GD,  
Technical Interview,  
HR Interview.**

**WRITTEN** : There is no negative marking (All are objective type only)

Aptitude : Time:80min

Total 120 Qs, 40-reasoning, 40-Arithmetic, 40-English,

In this section cut-off is 27 only and you have to get 9 in each section i.e there is a sectional cut-off.

Be careful about sectional cut-off. Don,t concentrate on any one section more...Try to get 9 marks first in each section .Out of these three sections arithmetic is quite easy, reasoning and English are little bit time consuming. At last try to fill all questions. Don,t leave any question.....

Preparation : Quantitative aptitude,Verbal and non-verbal reasoning by R.S.AGARWAL are enough.

Technical( for EEE) : Time:30min, 50 questions(for all).Cut-off is 23.It is also quite easy.... In technical they will ask only basic questions.....No indepth questions.

At the time of our test, they haven,t covered all the subjects....They concentrated more on dc motors, dc generators only. And some questions on batteries and on power systems etc.....

Some questions are like this.....

1. Given voltage and power ratings of three bulbs and asked to find which bulb has large resistance?
2. In batteries after completion of charging which colour gas is emitted from it?
3. In dc generators brush lead is given to which side(i.e towards rotor direction or in opposite direction) to avoid armature reaction?
4. Given an application and asked which type of dc motor is used?
5. One question from dc machine windings.....
6. Basic questions from transformers.....(1 or 2) etc....

Note: Don't go for test by studying dc machines only.....you may suffer...But concentrate more on dc machines(out of 50 they gave upto 30 questions).....You will qualify in written easily.....Try to score maximum in technical paper.It will add value to you throughout the selection procedure.

### **GROUP DISCUSSION:**

This may or may not be there(depending on the number of selected candidates in written ).It is just for formality.....Ur performance in GD plays less role and ur percentage and written performance plays more role to get through GD.But try to perform better.....Topics are very common topics. You can clear it easily....

### **TECHNICAL INTERVIEW:** On the next day....

It is the toughest round. They will test you in depth. Most were eliminated here only...Here also % plays a vital role. He may ask ur favorite subject...and may ask very deep questions in that....

Questions asked for me are:

1. Tell me about ur self? told confidently....
2. Which is ur favourite subject? told machines....
3. Have you seen machine rotor any time? told yes....(I haven,t seen the rotor any time....)
4. why each rotor slot is partitioned into small strips? unable to understand the question....But tried to answer it(about laminations and Cu losses etc...) He does not satisfied.....
5. In ac machines can we get any speed range?ans: we will have some limitations because of losses etc..explained
6. Draw the characteristics of Zener diode and explain it,s applications?I did....
7. Tell me about IGBT?Some how explained but not completely....

and some other, unable to remember.sorry.....He sent me to the HR round....

### **HR INTERVIEW:**

He is very friendly....He invited me with a cherishing face. So I felt free. He asked abot my eye site (because i am wearing glasses). If eye site is more he will reject u nicely... After that a general HR interview was done....It,s not a problem. He given a HR form for all most all the people who came for HR.

After some time they told results will we sent to ur respective colleges.....and we left the venue. Results came after a month.....(on sep 13th). But I haven,t got the job.....I felt very sad.....In that list total 38 members were selected.....

After some days (on oct 12th )they sent another list. By God,s grace I was also selected in that list (another 17 was selected). i.e until that date we are in waiting list.... I came to know that we are all in waiting list because of eye site.....

**work hard in technical u will surely pass it.because technical will me main consider there**

**GD topics:**

**Democracy is the only way to sustain economy growth**

**Should Indian youth involving Politics**

**Foreign investment should allow directly to India**

**Foods come first ethics come later**

**TV channels can be regional , International**

**Essar Aptitude - General**

**Analytical Reasoning - I**

**Time Limit: 9 min 10 sec**

**Question 1. (Single Selection)**

STATE is related to ESTATE in the same way as TUMBLE is related to \_\_\_\_\_ ?

- 1. Fumble
- 2. Crumble
- 3. Stumble
- 4. Mumble
- 5. Humble

**Question 2. (Single Selection)**

If the following alphabet were written in the reverse order, which will be the fifth letter to the right of the eleventh letter from the left?

**A B C D E F G H I J K L M N O P Q R S T U V W X Y Z**

- 1. J
- 2. K
- 3. L
- 4. P
- 5. U

**Question 3. (Single Selection)**

Four of the following five English words are alike in a certain way and so form a group. Which is the one that does not belong to that group?

- 1. C-G
- 2. T-X
- 3. E-I
- 4. J-N
- 5. M-Q

**Question 4. (Single Selection)**

If the first and the third letters in the word CONTRIBUTION were interchanged, also the second and fourth letters, the fifth and seventh and so on, which letter would be eighth, counting from your left?

- 1. I
- 2. B
- 3. U
- 4. R
- 5. None of these

**Question 5. (Single Selection)**

If  $A \wedge B$  means 'A is the father of B',  $A < B$  means 'A is the sister of B',  $A > B$  means 'A is the brother of B', then how is P related to R in the following codified relationship?

$R < S \wedge P > T$

- 1. Aunt
- 2. Cousin
- 3. Niece
- 4. Nephew
- 5. None of these

**Question 6. (Single Selection)**

Given that 'Mountain is greater than or equal to Tree', 'Tree is smaller than Ocean', and 'Ocean is not greater than River', which of the following statements can be definitely TRUE?

- 1. Mountain is either greater than or equal to River
- 2. River is either smaller than or equal to Tree
- 3. River is greater than Tree
- 4. Mountain is either greater than or equal to Ocean
- 5. None of these

**Question 7. (Single Selection)**

In a certain code ASHOK is written as LMIQB, how will MEDHA be written in that code?

- 1. BFCDN
- 2. BFECN
- 3. BFEFN
- 4. BIECN
- 5. None of these

**Question 8. (Single Selection)**

â€œetâ€ is in â€œOftenâ€™ in the same way as â€œehâ€ is in \_\_\_\_\_?

- 1. Inhibit
- 2. House
- 3. Enhance
- 4. Hope
- 5. Hour

**Question 9. (Single Selection)**

In a certain code LARGEST is written as SRDFQZK. How would RATION be written in the code?

- 1. MNHSAQ
- 2. MNISZQ
- 3. MNHDZQ
- 4. MNHSZQ
- 5. None of these

**Question 10. (Single Selection)**

If Y denotes  $\tilde{\Delta}$ , Q denotes x, and T denotes +, then 15Q13Y3T6 = ?

- 1. 65
- 2. 591
- 3. 71
- 4. 946
- 5. None of these

**Question 11. (Single Selection)**

In a certain game, if a person steps on the particular square he gets one rupee and every time he misses the particular square he has to pay one rupee. He is allowed to try 100 times and gets an amount of Rs. 40. How many times did he step on the particular square?

- 1. 75
- 2. 65
- 3. 55
- 4. 60
- 5. 70

**Analytical Reasoning - II**

**Description:**

These questions are based on the following series of elements (English letters, numerals and symbols).

**A B 8 @ E 2 \$ + 5 J 3 6 M \* % P 7 9 S 4 U ? 1 X { }**

**Time Limit:** 3 min 20 sec

**Question 1. (Single Selection)**

If the first two elements interchange their positions, the third and the fourth elements interchange their positions, and so on and so forth, which of the following triplet will show the exact sequence of the three elements in the new arrangement?

- 1. X 1 {
- 2. 5 6 3
- 3. P M %

- 4. \* P M
- 5. None of these

**Question 2. (Single Selection)**

If this series is of English alphabet, in which some letters are represented by numerals or symbols, which letter is represented by the element which is exactly midway between 11th element from the left and the 10th element from the right?

- 1. L
- 2. Q
- 3. O
- 4. N
- 5. None of these

**Question 3. (Single Selection)**

How many such letters are there in the above series, each of which is immediately preceded by a numeral and immediately followed by a symbol?

- 1. 2
- 2. 3
- 3. 4
- 4. 5
- 5. None of these

**Question 4. (Single Selection)**

If numbers from 1 to 9, in the serial order, expresses the English letters that appear in the above series, what will be the sum of all the numerals, the old and the new together?

- 1. 90
- 2. 45
- 3. 36
- 4. 18
- 5. None of these

### Analytical Reasoning - III

#### Description:

In the following questions the symbols  $<$ ,  $>$ ,  $\&$ ,  $\hat{=}$  and  $?$  are used with the following meaning:

$A > B$  means A is smaller than B

$A < B$  means A is greater than B

$A \& B$  means A is either greater than or equal to B

$A \hat{=} B$  means A is either smaller than or equal to B

$A ? B$  means A is equal to B

Now in each of the following questions assuming the given statements to be true, find which of the two conclusions I & II given below them is/ are definitely true?

**Time Limit:** 4 min 10 sec

#### Question 1. (Single Selection)

##### Statement

$J \& I, C > O, I < O$

##### Conclusions

I.  $C > J$

II.  $C > I$

- 1. Only Conclusion I is true
- 2. Only Conclusion II is true
- 3. Either Conclusion I or Conclusion II is true
- 4. Neither Conclusion I nor Conclusion II is true
- 5. Both the Conclusions I and II are true

#### Question 2. (Single Selection)

##### Statement

$J > S, S ? Z, Z > W$

##### Conclusions

I.  $Z ? J$

II.  $W > J$

- 1. Only Conclusion I is true
- 2. Only Conclusion II is true
- 3. Either Conclusion I or Conclusion II is true

- 4. Neither Conclusion I nor Conclusion II is true
- 5. Both the Conclusions I and II are true

**Question 3. (Single Selection)**

**Statement**

$Y \neq W, W \neq X, X \neq U$

**Conclusions**

- I.  $Y > X$
- II.  $Y \neq X$

- 1. Only Conclusion I is true
- 2. Only Conclusion II is true
- 3. Either Conclusion I or Conclusion II is true
- 4. Neither Conclusion I nor Conclusion II is true
- 5. Both the Conclusions I and II are true

**Question 4. (Single Selection)**

**Statement**

$C < L, Z > J, L \neq Z$

**Conclusions**

- I.  $L > J$
- II.  $C < J$

- 1. Only Conclusion I is true
- 2. Only Conclusion II is true
- 3. Either Conclusion I or Conclusion II is true
- 4. Neither Conclusion I nor Conclusion II is true
- 5. Both the Conclusions I and II are true

**Question 5. (Single Selection)**

**Statement**

$E \neq C, L < Z, C > Z$

**Conclusions**

- I.  $E < Z$
- II.  $L < C$

- 1. Only Conclusion I is true
- 2. Only Conclusion II is true
- 3. Either Conclusion I or Conclusion II is true
- 4. Neither Conclusion I nor Conclusion II is true
- 5. Both the Conclusions I and II are true

### Analytical Reasoning - IV

#### **Description:**

Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and “

Give answer (1) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (2) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (3) if the data in Statement I alone OR in Statement II alone are sufficient to answer the question.

Give answer (4) if the data in both the Statements I and II are not sufficient to answer the question.

Give answer (5) if the data in both the Statements I and II together are necessary to answer the question.

**CAUTION:** Do NOT mark your answer unless you consider both the statements carefully.

**Time Limit:** 4 min 10 sec

If “6 5 9” stands for “we are healthy”, which digit stands for ,healthy,?

I. “5 7” stands for “healthy habits” .

II. “6 9 3” stands for “we are busy” .

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

#### **Question 2. (Single Selection)**

Who among A, B, C, D and E is the tallest?

I. E is taller than three of them but not as tall as A.

II. B is taller than D and C; but not tall as A.

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

**Question 3. (Single Selection)**

In a seven-storey building with one flat on each storey, who among A, B, C, D, E, & F occupies the middlemost flat?

I. A and D occupy the flats on the two extremes storeys and they have C and E as their immediate neighbors.

II. The flat occupied by B is not in the middle.

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

**Question 4. (Single Selection)**

Which code stands for "Brazil" in a code language in which "Mob" stands for "Argentina"?

I. "Dip Mob Nod" denotes "Brazil defeated Argentina", in that code.

II. "Italy defeated Argentina" is denoted by "Sip Dip Mob" in that code.

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

**Question 5. (Single Selection)**

What is the area of a circular playground that has a wire fencing around it?

I. The cost of fencing was Rs. 15,626 at the rate of Rs. 35 per Kg.

II. The fencing is 63 meters away from the center of the playground.

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

### **Analytical Reasoning - V**

#### **Description:**

Read the following information and answer the questions.

(A) A Cultural Organization desires to organize a programme of two categories, Viz.: Classical Dance performances and Music Concerts in a week commencing from Sunday to Saturday.

(B) There will be four dance performances viz: Kathakali, Bharatnatyam, Katthak and Oddysyi, and three musical concerts : Pure Classical, Semi Classical and Light music.

(C) Of these seven performances, no two of the same category will be organized on two consecutive days.

(D) The programme is to start with Kathakali, and Semi-Classical is to be organized on the middle day of the week.

(E) Bharatnatyam is to be organized on the previous day of Pure Classical.

**Time Limit:** 4 min 10 sec

#### **Question 1. (Single Selection)**

Bharatnatyam can be organized on:

- 1. only Tuesday
- 2. only Friday
- 3. only Thursday
- 4. cannot be determined
- 5. None of these

#### **Question 2. (Single Selection)**

With the given specifications, the only programme that can be arranged on Monday is:

- 1. Semi classical
- 2. Light music
- 3. Pure classical

- 4. Cannot be determined
- 5. None of these

**Question 3. (Single Selection)**

Which of the following can be the last programme of the week?

- 1. Oddyssi or Katthak
- 2. only Oddyssi
- 3. only Pure classical
- 4. cannot be determined
- 5. none of these

**Question 4. (Single Selection)**

If the programme is required to start with Pure Classical on Sunday, which of the conditions given above can NOT be adhered to?

- 1. Only (E)
- 2. Only (C)
- 3. Only (D)
- 4. Cannot be determined
- 5. None of these

**Question 5. (Single Selection)**

Katthak can be organized on:

- 1. only Thursday
- 2. only Friday
- 3. only Saturday
- 4. on Tuesday or Saturday
- 5. None of these

### Description:

In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement. Give answer

- (1) if only assumption I is implicit.
- (2) if only assumption II is implicit
- (3) if either I or II is implicit;
- (4) if neither I nor II is implicit
- (5) if both I and II are implicit.

**Time Limit:** 4 min 10 sec

### Question 1. (Single Selection)

#### Statement

The only way to contain the circulation of black money in the market is to make the tax laws more liberal and user friendly.

#### Assumptions

- I. Tax laws in India are draconian and inadequate.
- II. Circulation of black money in the market is undesirable.

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

### Question 2. (Single Selection)

#### Statement

Teachers of many schools and colleges are breaking all norms of the profession and provoking unnecessary controversies by entering into the active party politics.

#### Assumptions

- I. Teachers should be above party politics.
- II. Teachers should take part in social activities rather than party politics.

- 1.
- 2.
- 3.

- 4.
- 5.

### Question 3. (Single Selection)

#### Statement

What is needed at the center to-day is the will and determination to govern and not authoritarian government.

#### Assumptions

- I. Authoritarianism and effective governance go hand in hand.
- II. Will and determination to govern and non-authoritarian government are the two sides of the same coin.

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

### Question 4. (Single Selection)

#### Statement

India needs competent manpower just as urgently as it needs massive capital inflow for rapid economic development.

#### Assumptions

- I. India cannot achieve fast economic growth without massive does of capital.
- II. Competent manpower is necessary for rapid economic development.

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

### Question 5. (Single Selection)

#### Statement

If you want to understand the determinants of effective leadership, this is one of the available books.

#### Assumptions

- I. If is essential for everyone to understand the determinants of effective leadership.  
II. Wrong understanding may be gained if this book is not read.

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

### Analytical Reasoning - VII

#### **Description:**

In each question below are given three statements followed by three conclusions, which are numbered I, II and III. Assuming that all the given statements are True, decide which of the given conclusions logically follow(s) from the given statements.

**Time Limit:** 4 min 10 sec

#### **Question 1. (Single Selection)**

##### **Statements**

All fans are phones. All phones are letters. Some letters are bulbs.

##### **Conclusions**

- I. Some letters are phones.  
II. Some phones are fans.  
III. All fans are letters

- 1. Only I follows
- 2. Only II follows
- 3. Only III follows
- 4. Only II and III follow
- 5. None follows

#### **Question 2. (Single Selection)**

##### **Statements**

Most psychologists are historians. No historian is economist. All economists are psychologists.

##### **Conclusions**

I. Some historians are psychologists  
II. All psychologists are economists  
III. No economist is historian.

- 1. Only II follows
- 2. Only I and II follow
- 3. Only II and III follow
- 4. Only I and III follow
- 5. None of these

**Question 3. (Single Selection)**

**Statements**

Some flowers are gifts. All gifts are books. All books are tables.

**Conclusions**

I. Some tables are flowers.  
II. Some flowers are tables.  
III. All tables are books.

- 1. Only I follows
- 2. Only II follows
- 3. Only I and II follow
- 4. Only II and III follow
- 5. None of these

**Question 4. (Single Selection)**

**Statements**

Some banks are factories. Some factories are offices. All offices are prisons

**Conclusions**

I. All prisons are factories.  
II. Some Banks are prisons.  
III. Some offices are banks.

- 1. None follows
- 2. All the three follow
- 3. Only I and II follow

- 4. Only II and III follow
- 5. Only I and III follow

**Question 5. (Single Selection)**

**Statements**

All principals are teachers. All teachers are schools. All schools are grounds.

**Conclusions**

- I. Some teachers are grounds.
- II. All teachers are principals.
- III. All principals are grounds.

- 1. Only I and II follow
- 2. Only I and III follow
- 3. Only II and III follow
- 4. None follows
- 5. All follow

**Essar Aptitude - Numerical**

**Quantitative Aptitude - I**

**Time Limit: 20 min 50 sec**

**Question 1. (Single Selection)**

The sum of the squares of three consecutive natural numbers is 2030, then the middle number is:

- 1. 24
- 2. 26
- 3. 25
- 4. 27
- 5. None of these

**Question 2. (Single Selection)**

A student got thrice as many marks in [Arithmetic](#) as in English. If the total of his marks in the two subjects is 128, how many marks did he get in English?

- 1. 32
- 2. 64
- 3. 96
- 4. 16
- 5. None of these

**Question 3. (Single Selection)**

On selling 17 balls at Rs. 720/-, there is a loss equal to the cost price of 5 balls. The cost price of a ball in rupees is:

- 1. 45
- 2. 50
- 3. 55
- CheckBox1  4. 60
- 5. None of these

**Question 4. (Single Selection)**

?  $\hat{A}; \tilde{A}, \hat{A}; \tilde{A} \text{€ } 0.81 = 300$

- 1. 2700
- 2. 270
- 3. 33.33
- 4. 540
- 5. None of these

**Question 5. (Single Selection)**

The difference between a number and its four-fifth is 25. What is the number?

- 1. 75
- 2. 100
- 3. 125
- 4. 150
- 5. None of these

**Question 6. (Single Selection)**

The difference between simple and compound interests compounded annually on certain sum of money for two years at 4% per annum is Rs. 1/-. The sum in Rs. is:

- 1. 625
- 2. 630
- 3. 640
- 4. 650
- 5. None of these

**Question 7. (Single Selection)**

A batsman scored 150 runs which included 5 boundaries, 2 sixes and other singles. What percentage of his total score did he make by running between the wickets?

- 1. 78.66
- 2. 75.66
- 3. 80.66
- 4. 82.66
- 5. None of these

**Question 8. (Single Selection)**

How many of the following numbers are divisible by 3 and not by 9?  
2133, 2343, 3474, 4131, 5286, 5340

- 1. 2
- 2. 3
- 3. 4
- 4. 6
- 5. None of these

**Question 9. (Single Selection)**

Which of the following number will be wrong in the number series?

7 13 22 31 49 67 88

- 1. 13
- 2. 21
- 3. 31
- 4. 49
- 5. 67

**Question 10. (Single Selection)**

Two radios and one calculator can cost Rs.3300, while two calculators and one radio cost Rs.5400. What is the price of a radio?

- 1. Rs. 2500
- 2. Rs. 700
- 3. Rs. 400
- 4. Rs. 1100
- 5. None of these

**Question 11. (Single Selection)**

The interest on a certain deposit at 4.5 p.c.p.a is Rs.202.50 in one year. How much will the additional interest be in one year on the same deposit at 5 p.c.p.a?

- 1. 20.25
- 2. 22.50
- 3. 225
- 4. 427.5
- 5. None of these

**Question 12. (Single Selection)**

An alloy is to contain copper and zinc in the ratio 9 : 5. How much zinc is required to be melted with 24 kg of copper?

- 1. 43.00
- 2. 43.20
- 3. 44.00
- 4. Cannot be determined
- 5. None of these

**Question 13. (Single Selection)**

$(16 \times 16 - 56) - [(13 \times 12) - (8 \times 7)] = ?$

- 1. 4
- 2. 20
- 3. 200
- 4. 100
- 5. None of these

**Question 14. (Single Selection)**

A man in a train notices that he can count 20 electric poles in one minute. If the poles are 40 meters apart, what is the speed of the train in Km/Hr?

- 1. 60
- 2. 45
- 3. 48
- 4. 54
- 5. None of these

**Question 15. (Single Selection)**

Two pipes A and B can fill a tank independently in 20 minutes and 30 minutes respectively. If both the pipes were used together, how long would it take to fill the tank?

- 1. 12 min
- 2. 15 min
- 3. 25 min
- 4. 50 min
- 5. None of these

**Question 16. (Single Selection)**

If 24 men do a work in 40 days, in how many days will 30 men do it?

- 1. 30
- 2. 28
- 3. 26
- 4. 34
- 5. None of these

**Question 17. (Single Selection)**

? X 15 = 65% of 300

- 1. 195
- 2. 130
- 3. 2925
- 4. 13
- 5. None of these

**Question 18. (Single Selection)**

The average age of 28 employees is 23 years. If the manager's age is also included, the average age increases by one year. What is the manager's age in years?

- 1. 28
- 2. 51
- 3. 52
- 4. 53
- 5. None of these

**Question 19. (Single Selection)**

The difference between squares of two consecutive even numbers is always divisible by:

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

- 4. 2
- 5. None of these

**Question 20. (Single Selection)**

Ashutosh purchased a motor cycle at  $(13/15)$ th of its selling price and sold it at 12% more than its selling price. Ashutosh's net gain is:

- 1. 20%
- 2. 29.23%
- 3. 30.67%
- 4. 38.13%
- 5. None of these

**Question 21. (Single Selection)**

Which number should replace both the question marks in  $? \times 32 = 392 \times ?$

- 1. 112
- 2. 32
- 3. 16
- 4. 196
- 5. None of these

**Question 22. (Single Selection)**

If  $3690 \times 20.5 = 180$ ;  $36.90 \times 2.05 = ?$

- 1. 0.18
- 2. 1.8
- 3. 18
- 4. 1800
- 5. None of these

**Question 23. (Single Selection)**

A mother is three times as old as her son. After 15 years she will be twice as old as her son. What is the present age of the mother in years?

- 1. 40
- 2. 50
- 3. 60
- 4. 70
- 5. None of these

**Question 24. (Single Selection)**

A started business investing Rs.6000/-. Three months later B joined him investing Rs.4000/-. If they make a profit of Rs.5100/- at the end of the year, how much should be A's share?

- 1. Rs. 1700
- 2. Rs. 3400
- 3. Rs. 1300
- 4. Rs. 1732.75
- 5. None of these

**Question 25. (Single Selection)**

20 transistors go in a box and two dozen boxes are packed in a carton. How many cartons will be needed to pack 1920 transistors?

- 1. 96
- 2. 12
- 3. 8
- 4. 4
- 5. None of these

**Quantitative Aptitude - II**

**Classification of 100 students based on the marks obtained by them in Mathematics and Accounts in an examination**

Subjects	Marks Interval (Marks out of 50)				
	41-50	31-40	21-30	11-20	1-10
Mathematics	23	09	48	12	08

<b>Accounts</b>	04	21	60	10	05
<b>Approximate number of students in marks interval for both the subjects</b>	13	15	54	11	7

**Time Limit: 4 min 10 sec**

**Question 1. (Single Selection)**

If it is known that at least 28% marks are required for the students to be eligible for a seminar on Accounts. The numbers of Accounts students who can give the seminar are:

- 1. 85
- 2. 80
- 3. 95
- 4. 91
- 5. None of these

**Question 2. (Single Selection)**

The approximate number of students securing less than 41 marks in both the subjects is

- 1. 91
- 2. 85
- 3. 93
- 4. 87
- 5. None of these

**Question 3. (Single Selection)**

What is the difference between the number of students getting at least 21 marks in Accounts over those getting at least 21 marks in Mathematics approximately?

- 1. 19
- 2. 12
- 3. 7

- 4. 5
- 5. None of these

**Question 4. (Single Selection)**

What is the difference between the number of students passed with at least 31 marks both in Accounts and Mathematics?

- 1. 9
- 2. 19
- 3. 12
- 4. 7
- 5. None of these

**Question 5. (Single Selection)**

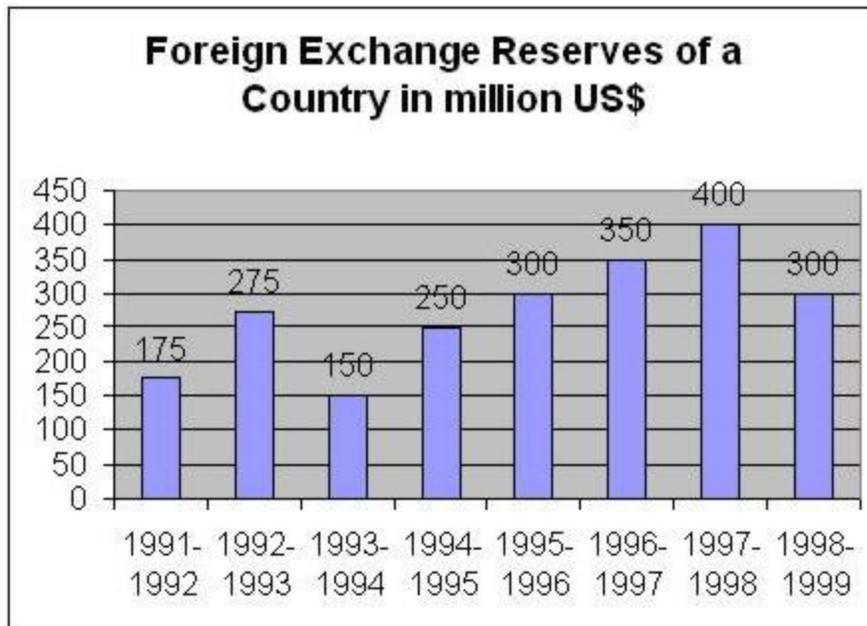
If at least 31 marks in Mathematics are required for pursuing higher studies in Mathematics, how many students would be eligible to pursue higher studies in Mathematics?

- 1. 60
- 2. 32
- 3. 57
- 4. 68
- 5. None of these

**Quantitative Aptitude - IV**

**Description:**

The bar graph given below shows the foreign exchange reserves of a country in million US\$ for the years 1991-1992 to 1998-1999. Answer the questions based on this graph given below:



**Time Limit: 4 min 10 sec**

**Question 1. (Single Selection)**

What was the % decrease in foreign exchange reserves in 1998-1999 over 1996-1997?

- 1. 11.28
- 2. 14.28
- 3. 11.28
- 4. 17.28
- 5. None of these

**Question 2. (Single Selection)**

The average foreign exchange reserves over the period under review are:

- 1. 325
- 2. 300
- 3. 314
- 4. 250
- 5. None of these

**Question 3. (Single Selection)**

The foreign exchange reserves of how many years is above the average foreign exchange reserves of the given period?

- 1. 5
- 2. 2
- 3. 3
- 4. 4
- 5. None of these

**Question 4. (Single Selection)**

The foreign exchange reserves in 1996-1997 was approximately how many times that of the year 1992-1993?

- 1. 1.21
- 2. 1.24
- 3. 1.27
- 4. 1.30
- 5. None of these

**Question 5. (Single Selection)**

What was the approximate % increase in foreign exchange reserves in 1997-1998 over 1995-1996?

- 1. 33
- 2. 36
- 3. 39
- 4. 30
- 5. None of these

**In Technical cum HR Interview:**

- a) I explained my miniproject
- b) Asked question in my area of specialization?
- c) Asked my name details?.
- d) What is ur future plan about ur career?