

16 out of 16 questions attempted. [Review?](#)

## 2 Quantitative

16 questions, 1 mark each

**Q 17** "A" is earning 30% more than "B" and "B" is earning 40% more than "C". "A" is spending 10% more than "B" and "B" is spending 8% more than "C". What percent of C's income is A's saving?

- Ops: A. ☐ Data insufficient  
B. ☐ 65%  
C. ☐ 75%  
D. ☐ 80%

**Q 18** A train travels first 800 kms at an average rate of 150 kmph and further travels the same distance at an average rate of 250 kmph. Determine the average speed of the train over the whole journey.

- Ops: A. ☐ 187.5 kmph  
B. ☐ 200 kmph  
C. ☐ 205 kmph  
D. ☐ 195 kmph

**Q 19** Rahul's age is three times the sum of ages of his two children. After 5 years his age will be twice the sum of ages his two children. Rahul's present age is:

- Ops: A. ☐ 35 years  
B. ☐ 45 years  
C. ☐ 40 years  
D. ☐ None of the mentioned options

**Q 20** Rs. 1,000 is to be divided as incentives among three best employees in the firm such that Ekta receives twice as much as Ajay, who receives one-fifth as much as Rahul. How much money did Rahul receive?

- Ops:** A. ☐ Rs. 480  
B. ☐ Rs. 780  
C. ☐ Rs. 325  
D. ☐ Rs. 625

**Q 21** I sold a book at a profit of 12%. Had I sold it for Rs. 18 more, 18% would have been gained. Find the cost price.

- Ops:** A. ☐ Rs. 250  
B. ☐ Rs. 400  
C. ☐ Rs. 350  
D. ☐ Rs. 300

**Q 22** Priya and Meena, alone, can complete a sketch in 15 days and 20 days respectively. If they do sketching together for 4 days, then what is the amount (in units) of sketch left if the total sketch is for 225 units?

- Ops:** A. ☐ 200  
B. ☐ 125  
C. ☐ 120  
D. ☐ 222

**Q 23** 6 boys can complete a work in 16 days. 1 boy can complete it in:

- Ops:** A. ☐ 112 days  
B. ☐ 80 days  
C. ☐ 96 days  
D. ☐ 128 days

---

**Q 24** Determine the average of the following data.

40, 19, 75, 83, 56, 33

- Ops: A. ☐ 52  
B. ☒ 51  
C. ☐ 54  
D. ☐ 53

[reset answer](#)

---

**Q 25** When four times a number is added to the square of the same number, the result is 96. What is the number?

- Ops: A. ☐ 6  
B. ☐ 5  
C. ☐ 7  
D. ☐ 8
- 

**Q 26** The ratio of incomes of two friends is 3 : 5. In the next month their incomes are increased by Rs. 300 and Rs. 400 respectively. What is the new ratio of their incomes, if the difference in their incomes after increment is Rs. 500?

- Ops: A. ☐ 1 : 4  
B. ☐ 4 : 5  
C. ☐ 2 : 3  
D. ☐ 9 : 14
-

**Q 26** The ratio of incomes of two friends is 3 : 5. In the next month their incomes are increased by Rs. 300 and Rs. 400 respectively. What is the new ratio of their incomes, if the difference in their incomes after increment is Rs. 500?

- Ops: A. ☐ 1 : 4  
B. ☐ 4 : 5  
C. ☐ 2 : 3  
D. ☐ 9 : 14

**Q 27** Simplify:

$$\log_{13}(12) * \log_{14}(13) * \log_{15}(14) * \log_{16}(15) * \text{----} * \log_{20}(19)$$

- Ops: A. ☐  $\log_{20}(12 + 13 + 14 + \text{---} + 19)$   
B. ☐  $\log_{20}(12)$   
C. ☐  $\log_{12}(20)$   
D. ☐ None of the mentioned options

**Q 28** Read the information given below and answer the question that follows.

$$f(x) = f(x - 1) + f(x + 1), \text{ "x" is a whole number}$$

$$f(0) = 2$$

$$f(2) = 0$$

What is the value of  $f(f(2))$ ?

- Ops: A. ☐ 2  
B. ☐ 0  
C. ☐ Not defined  
D. ☐ 1

**Q 29**  $(3/21)^{\text{th}}$  of 315 is:

- Ops: A. ☐ 70  
B. ☒ 45  
C. ☐ 84  
D. ☐ 56

[reset answer](#)

**Q 30** A train running at certain speed crosses a stationary engine of another train in 5 seconds. The length of the train is 100 metres. Determine the speed of the train.

- Ops: A. ☒ 23 m/s  
B. ☐ Data inadequate  
C. ☐ 20 m/s  
D. ☐ 22 m/s

**Q 31** What is the chance of getting the sum of at least 7 in a single throw of two dice together?

- Ops: A. ☐ 17/36  
B. ☐ 5/12  
C. ☐ 1/4  
D. ☐ 7/12

**Q 32** A man walks at a speed of 54 kmph. He covers a distance of 90 m in:

- Ops: A. ☐ 4 seconds  
B. ☐ 5 seconds  
C. ☐ 6 seconds  
D. ☐ 8 seconds

## 1 Analytical Reasoning

16 questions, 1 mark each

**Q 1** Before you begin to compose a business letter, sit down and think about your purpose for writing the letter. Do you want to request information, order a product, register a complaint, or apply for something? Do some brainstorming and gather information before you begin writing. Always keep your objective in mind.

This paragraph best supports the statement that:

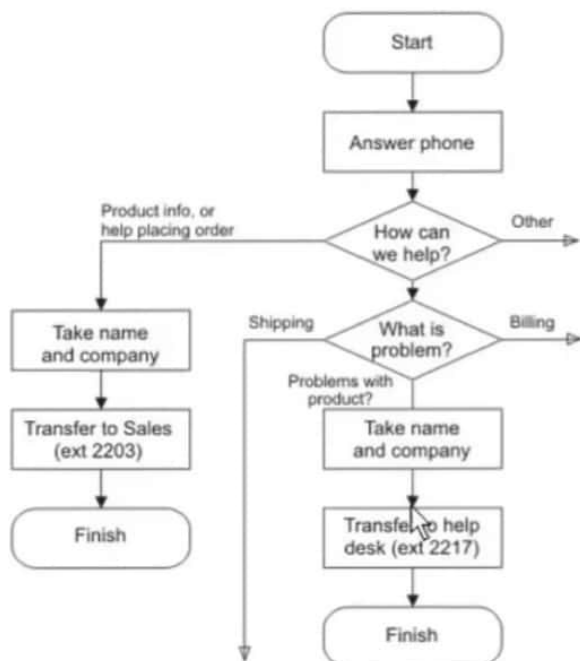
- Ops:** A. ☐ for many different kinds of writing tasks, planning is an important first step.  
B. ☐ business letters are frequently complaint letters.  
C. ☐ brainstorming and writing take approximately equal amounts of time.  
D. ☐ while some people plan ahead when they are writing a business letter, others do not.

**Q 2** Which of the given options can be formed using the letters of the following set?

{a, w, r, t, i, s, o, n, m, l, b, h, e, p}

- Ops:** A. ☐ help  
B. ☐ coup  
C. ☐ mouse  
D. ☐ peak

Study the flowchart given below and answer the questions that follow:



**Q 3** Taking details of a company is:

- Ops:**
- A. ☐ Decisional call
  - B. ☐ Process step
  - C. ☐ Starting of the process
  - D. ☐ Instruction

---

**Q 3** Taking details of a company is:

- Ops:** A. ☐ Decisional call  
B. ☐ Process step  
C. ☐ Starting of the process  
D. ☐ Instruction
- 

**Q 4** Which of the following statements is correct regarding the given diagram?

- Ops:** A. ☐ This is a complete flow chart.  
B. ☐ None of the mentioned options  
C. ☐ This is not a flow chart.  
D. ☐ This flow chart is part of a bigger flow chart.
- 

**Q 5** For the following questions, choose the answer that best completes the comparison.

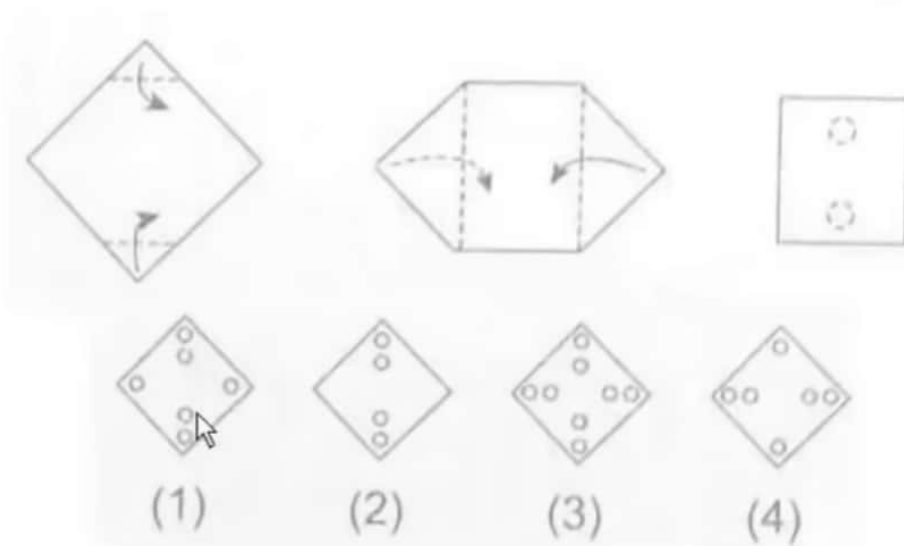
Vehicle : Passenger Car :: Tree : ?

- Ops:** A. ☐ Air  
B. ☐ Roots  
C. ☐ Fruit  
D. ☐ Green
-



**Q 6** Directions:

The question that follows contains a set of figures showing a sequence of folding of a piece of paper. The dotted lines in last figure shows the manner in which the folded paper was cut. The figures are followed by four answer figures marked (1), (2), (3) and (4) from which you have to choose a figure which would closely resemble the pattern in which the cuttings appear when the paper is unfolded.



- Ops:** A. ☐ (1)  
B. ☐ (2)  
C. ☐ (3)  
D. ☐ (4)

**Q 7** In a certain code, REFLECTED is coded as EDQBDKCDS, how would STRENGTHS be coded in the same language?

- Ops: A. ☐ QSRFMDRGS  
B. ☐ QSRFMERGS  
C. ☐ QSRFMDSGS  
D. ☐ QSRFMDRHS

**Q 8** From the given options identify which should complete the following sequence.



Ops: A. ☐



B. ☐



C. ☐



D. ☐



**Q 9** Study the following information and answer the question that follows.

B5D means B is the father of D

B9D means B is the sister of D

B4D means B is the brother of D

B3D means B is the wife of D

Which of the following expressions indicates that F is the mother of K?

- Ops:** A. ☐ F3M5K  
B. ☐ F5M3K  
C. ☐ F9M4N3K  
D. ☐ F3M5N3K

**Q 10** Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.

**Question:** What is the projected population in Cebadoor for 1995?

**Statements:**

- I. The population in Cebadoor is projected to decline 2 - 8 percent annually from 1990 to 1995.
- II. The population in Cebadoor peaked in 1990 at 14.5 million.

- Ops:**
- A. ☐ Each statement alone is sufficient to answer the question.
  - B. ☐ Only one of the statements, alone, is sufficient to answer the question but other statement is not.
  - C. ☐ Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.
  - D. ☐ Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

**Q 11** Below is/are given statement/s followed by (two) conclusions. Take the given statement/s to be true, even if they contradict commonly known facts, and determine the conclusion/s that logically follow/s from the statement/s.

**Statement(s):**

Money plays a vital role in politics.

**Conclusions:**

I. The poor can never become politicians.

II. All the rich men take part in politics.

- Ops:** A. ☐ Both conclusion I and conclusion II follow  
B. ☐ Only conclusion I follows  
C. ☒ Neither conclusion I nor conclusion II follows  
D. ☐ Only conclusion II follows

[reset answer](#)

**Q 12** Find the missing term in the following series.

3, 9, 45, 315, ?, 31185

- Ops:** A. ☐ 1999  
B. ☐ 1654  
C. ☐ 3442  
D. ☐ 2835

A company ABC Ltd. is into the business of selling personal computers. The refunds that it has to make to its customers on account of various faults are given in the table below.

Refund Cause	This Year	Last Year
Faulty Software	27%	32%
Faulty Hardware	48%	41%
Delivery Damage	9.50%	8%
False Advertisement	1.50%	1%
Customer Service	12%	15%
Other	2%	3%

**Q 13** If total refunds last year totalled 912 and this year saw a 20% increase in the number of refunds, then approximately how many refunds were issued this year due to delivery damage?

- Ops: A. ☐ 124  
B. ☐ 102  
C. ☐ 104  
D. ☐ 1040



**Q 14** If refunds totalled 912 last year and 615 this year, then by how much did faulty hardware refunds decrease?

- Ops: A. ☐ 93%  
B. ☐ 28%  
C. ☐ 21.05%  
D. ☐ 79%

**Q 15** Below is given a question followed by two statements numbered I and II. The question may or may not be answered with the help of these statements. You have to decide if these statements are sufficient to answer the question.

**Question:** Trains P and Q are travelling on straight, parallel tracks at different constant speeds. How many minutes from now will train P be 4 miles behind train Q, when the train P is currently 2 miles behind train Q?

**Statements:**

I. 3 minutes ago, train P was 1 mile behind train Q.

II. Train P is travelling at 80 miles/hr and train Q is travelling at 100 miles/hr.

- Ops:** A. ☐ Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.  
B. ☒ Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.  
C. ☐ Only one of the statements, alone, is sufficient to answer the question but other statement is not.  
D. ☐ Each statement alone is sufficient to answer the question.

reset answer

**Q 16** In the following question(s), symbols @, &, #, \$ and % are used with different meanings as follows:

'A # B' means 'A is not smaller than B'.

'A \$ B' means 'A is neither smaller than nor equal to B'.

'A % B' means 'A is neither smaller than nor greater than B'.

'A @ B' means 'A is not greater than B'.

'A & B' means 'A is neither greater than nor equal to B'.

Now assuming in the following question the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

**Statements:**

I. B @ V

II. V % M

III. J \$ M

**Conclusions:**

I. J \$ B

II. J \$ V

- Ops:**
- A. ☐ Only conclusion I follows.
  - B. ☐ Only conclusion II follows.
  - C. ☒ Both conclusion I and conclusion II follow.
  - D. ☐ Neither conclusion I nor conclusion II follows.

[reset answer](#)