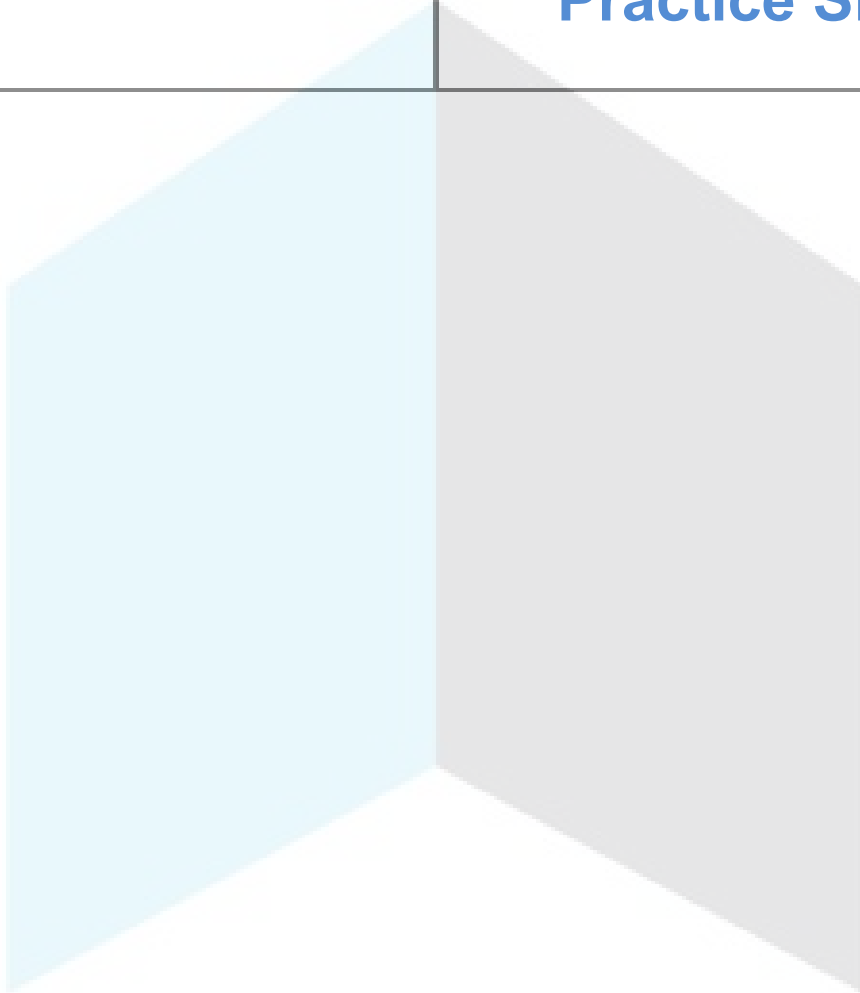


# Accenture

## Critical Reasoning and Problem Solving Practice SET 2



## 18 Questions

**Que. 1** Jeff Bezos worked in a factory. He make a solution in a jar in which 3 parts of which are water and 5 parts of some chemical. He want to mix both things in such a way that the resulting solution may be half water & half chemical. Find how much of the solution must be taken out and replaced with the water.

1.  $1/5$
2.  $1/7$
3.  $1/4$
4.  $1/3$

**Testbook Solution** Correct Option - 1

**Que. 2** A pipe can fill a cistern in 12 minutes while a second pipe fills it in 15 minutes. But a third pipe can empty that completely filled cistern in 6 minutes. The fist two pipes are kept open for 5 minutes initially and then the third one is also opened. Then the further time (in minutes) taken to empty that cistern is

1. 30
2. 40
3. 45
4. 50

**Testbook Solution** Correct Option - 3

**Que. 3** A man sells table and two chair at 5% and 10% profit respectively and makes profit as Rs. 350. If he sells table at 10% profit and chairs at 15% loss, then no profit and no loss is there. What is the value of two chairs?

1. 1000
2. 2000
3. 3000
4. 4000

**Testbook Solution** Correct Option - 2

**Que. 4** Chandu takes twice as much time as Avinash and thrice as Satish to finish a piece of work. Together they can finish the work in a day. Chandu started that work and after 2 days he left it. The time (in hours) needed for Avinash and Satish to finish the remaining work together is:

1.  $26\frac{1}{5}$
2. 24
3.  $22\frac{1}{3}$
4.  $19\frac{1}{5}$

**Testbook Solution** Correct Option - 4

**Que. 5** A vessel contains 80 litres of pure alcohol. A certain quantity of water is added to make the ratio of alcohol and water 4 : 1. Some quantity of mixture was removed and 10 liters of water were added to it.

If the quantity of water is 20 less than that of alcohol in the resultant mixture then alcohol is what percent of the water in the resultant mixture?

1. 100%
2. 200%
3. 300%
4. 400%

**Testbook Solution** Correct Option - 2

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**Que. 6** In a multiple choice question, there are four alternative answers, of which one or more are correct. A candidate will get marks in the question only when if he ticks all the correct answers. The candidate decides to tick answers at random. If he is allowed up to three chances to answer the question, find the probability that he will get marks in the question.

1.  $1/2$
2.  $1/3$
3.  $1/4$
4.  $1/5$

**Testbook Solution** Correct Option - 4

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**Que. 7** Even after giving a discount of 12%, an article was sold at a profit of 10%. By what percentage the marked price was more than the cost price?

1. 30%
2. 25%
3. 22%
4. 11.36%

**Testbook Solution** Correct Option - 2

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**Que. 8** Pipe first can fill a tank in 12 hours and pipe second can fill tank in 15 hours. Both the pipes are opened alternatively for an hour and start with pipe second, but after 4 hours, pipe first is closed. How many hours will be taken to fill the tank?

1. 15.5 hours
2. 11.5 hours
3. 14.5 hours
4. 10.5 hours

**Testbook Solution** Correct Option - 3

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**Que. 9** Consider the given question and decide which of the following statement is sufficient to answer the question.

If the total marks obtained by 5 students is 500. The average marks of the first 2 students are 150. Marks obtained by the third students are?

**Statements:**

1. Average marks obtained by the last two students are 50.
  2. Marks obtained by 4th students are 25.
1. Both 1 and 2 are sufficient to answer the given question.
  2. 2 alone is sufficient while 1 alone is not sufficient to answer the given question.

3. 1 alone is sufficient while 2 alone is not sufficient to answer the given question.
4. Neither 1 nor 2 is sufficient to answer the given question.

**Testbook Solution** Correct Option - 3

**Que. 10** If  $1^2 + 2^2 + 3^2 + \dots + n^2 = \frac{n(n+1)(2n+1)}{6}$ , find the value of  $5^2 + 6^2 + 7^2 + \dots + 10^2$ .

1. 330
2. 345
3. 355
4. 360

**Testbook Solution** Correct Option - 3

**Que. 11** **Statement:**

In many states, children below the age of 6 years cannot be admitted to class I.

**Argument I:**

Children should have necessary mental and physical development.

**Argument II:**

In the early years, the child should be accompanied by his parents.

1. Argument I is effective
2. Argument II is effective
3. Arguments I and II are effective
4. Neither argument I nor II is effective

**Testbook Solution** Correct Option - 1

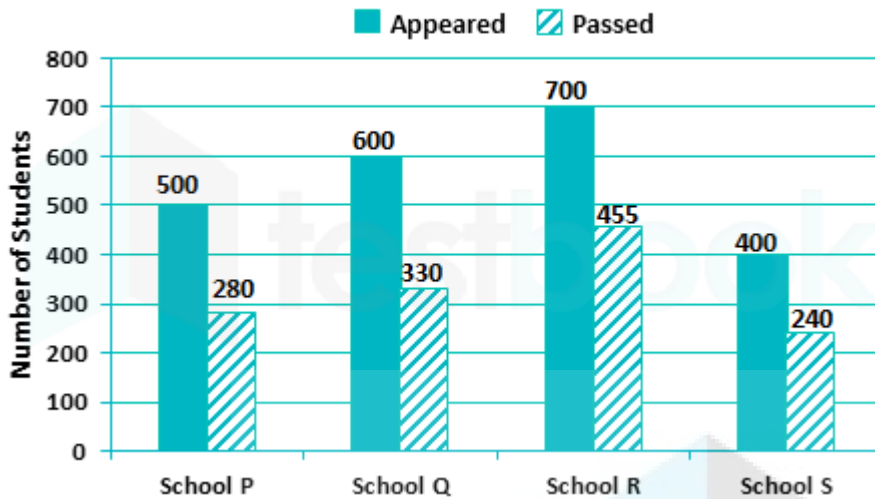
**Que. 12** If  $n$  be a positive integer. If the coefficient of  $2^{\text{nd}}$ ,  $3^{\text{rd}}$ ,  $4^{\text{th}}$  terms in the expansion of  $(1+x)^n$  are in A. P. Then the value of  $n$  is:

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

**Testbook Solution** Correct Option - 4

**Que. 13** The bar graph shows the data of the students who appeared and passed in an examination for four school P, Q, R and S. The average of success rates (in percentage) of these four schools is \_\_\_\_\_.

### Performance of School P, Q, R and S



1. 58.5%
2. 58.8%
3. 59.0%
4. 59.3%

**Testbook Solution** Correct Option - 3

**Que. 14** The number of those who passed and failed in an examination was in the ratio of 25 : 4. Now if one more student appears for the exam and the number of failed students are reduced by 3 than before, then the ratio becomes 22 : 3. Find the number of students who appeared in the examination initially:

1. 174
2. 173
3. 180
4. 175

**Testbook Solution** Correct Option - 1

**Que. 15** **Directions:** Statement is given followed by two inferences I and II. You have to consider the statement to be true even if it seems to be at variance from the commonly known facts. You have to decide which of the given inferences, if any, follow from the given statement?

**Statement:** Tulsi is used in more than 80% of ayurvedic medicines.

**Inferences:**

**I:** Tulsi is well known for its medicinal properties.

**II:** Tulsi is worshipped by Hindus.

1. Only inference I follows
2. Only inference II follows
3. Both inferences follow
4. None of the inference follows

**Testbook Solution** Correct Option - 1

**Que. 16** Read the given statement and conclusions carefully. Assuming that the information given in the statement is completely true, even if it differs from commonly known facts, decide which of the given conclusions follow/s the statement ?

**Statement:** All pianists are good at dance.

**Conclusions:**

- i) All people who are good at dance are pianists.
  - ii) Some people who are good at dance are pianists.
1. Only conclusion i) follows.
  2. Only conclusion ii) follows.
  3. Both conclusion i) and conclusion ii) follow.
  4. Neither conclusion i) nor conclusion ii) follows.

**Testbook Solution** Correct Option - 2

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**Que. 17** A statement and some logics are given below. Consider the given statement to be true even if it is different from commonly known facts and identify which of the given arguments is stronger.

statement:

Should parents of tenth grade students force their children to study only and not play games during the year?

**logic:**

- I. Yes, involvement in sports is responsible for low marks in examinations.
  - II. No, the balance of study and play will develop both mental and physical children.
1. Both are strong.
  2. Only I is strong.
  3. Neither I nor logic II are strong.
  4. Only logic II is strong.

**Testbook Solution** Correct Option - 4

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**Que. 18** In the question below is a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement:

**Statements:** In major win for government's Aatamnirbhar India initiative, Apple has started manufacturing of one of its flagship devices, the iPhone 11, at Chennai's Foxconn plant. This is the first time Apple has manufactured a top of the line model in India.

**Conclusions:**

- I. All iPhone 11 devices are manufactured only in India.
  - II. Only Foxconn company manufacture iPhone.
1. Only conclusion I follows
  2. Only conclusion II follows
  3. Either I or II follows
  4. Neither I nor II follows

**Testbook Solution** Correct Option - 4