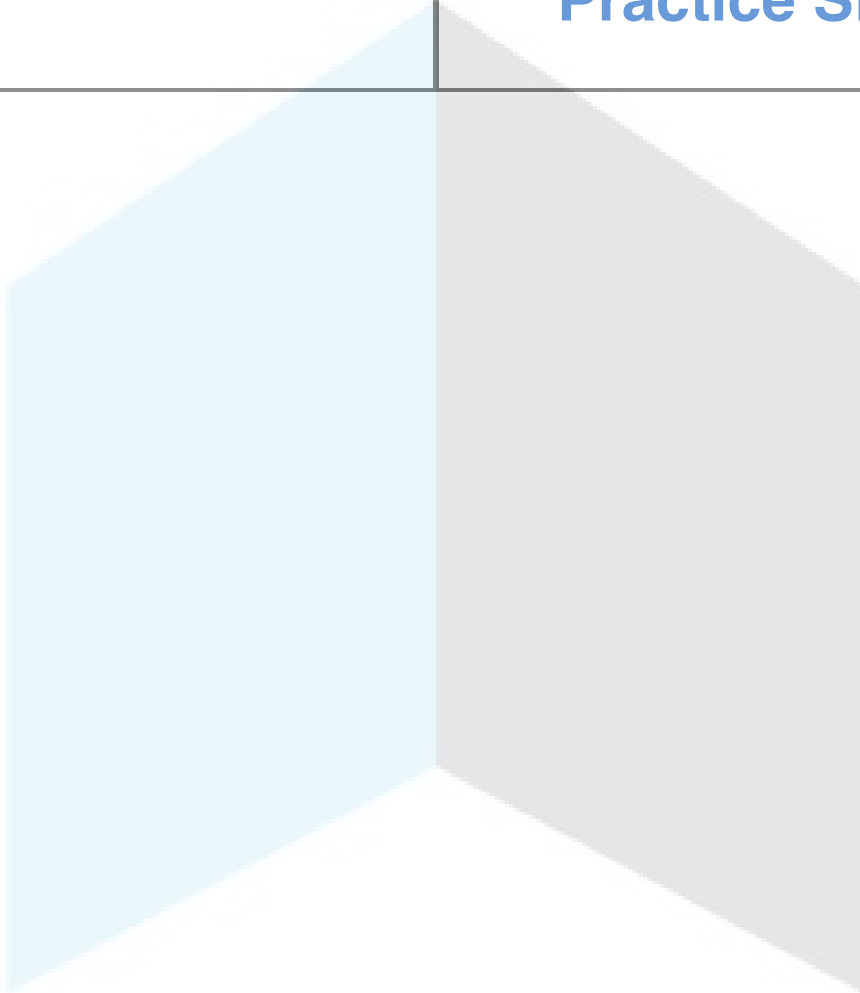**testbook.com**

Accenture

Critical Reasoning and Problem Solving Practice SET 1

18 Questions

Que. 1 In a pot of 80 kg, 60% is copper 15% zinc and remaining is aluminium after melting 5% of aluminium lost. How much should aluminium (in kg) be required for the formation of the pot?

1. 21.05 kg
2. 22 kg
3. 25 kg
4. 25.01 kg

Testbook Solution Correct Option - **1**

Que. 2 There are three taps of diameters 1 cm, 4/3 cm and 2 cm respectively. The ratio of the water flowing through them is equal to the ratio of the square of their diameters. The biggest tap can fill the tank alone in 61 min. If all the taps are opened simultaneously, then how long will the tank take to be filled?

1. 44 min
2. 45 min
3. 36 min
4. 51 min

Testbook Solution Correct Option - **3**

Que. 3 A manufacturer sells an item marked at INR 500 to the wholesaler at a profit of 20% and the wholesaler sells it to the retailer at a 10% profit. The price at which retailer bought the item is?

1. INR 700
2. INR 660
3. INR 720
4. INR 600

Testbook Solution Correct Option - **2**

Que. 4 100 men can make 60 chairs in 4 days working 2 hours a day. How many men are required to make 120 chairs in 10 days working 4 hours a day?

1. 34 men
2. 40 men
3. 30 men
4. 28 men

Testbook Solution Correct Option - **2**

Que. 5 In 84 ml solution of beer and wine, 3/7 part of solution is beer and rest is wine, now 'x' ml of mixture is taken out 8 ml of beer is added now the concentration of beer and wine in the solution is same. Find the value of 'x'.

1. 28 ml
2. 22 ml
3. 36 ml
4. 20 ml

Testbook Solution   Correct Option **- 1**

Que. 6   A bag contains only red, green and white balls. The probability of selecting a red ball from the bag at random is $\frac{1}{3}$ and that of selecting a white ball at random is $\frac{1}{2}$. If the bag contains 9 green balls, the total number of balls in the bag is:

1.   45
2.   48
3.   42
4.   54

Testbook Solution   Correct Option **- 4**

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**

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**

Que. 9   **Directions:** The question given below consists of a question and three statements numbered I,II and III given below it. You have to decide which of the statements are sufficient to answer the question.

How many students in the school are getting merit cum need scholarship ?

Statements :

I. The school has seven hundred students, out of which 10% belong to below poverty line families.

II. The number of students who got I division is 140

III. Out of these III divisions, 65% belong to well to do families

1.   Only I and II
2.   Only I and III
3.   All the three
4.   Only I and either II and III

Testbook Solution   Correct Option **- 1**

Que. 10   There are 960 people stranded in a forest for rescue. The Air force put 2 helicopters of capacity of 48 seats and 60 seats. After doing 5 and 6 rounds respectively they were grounded. A third helicopter

having capacity of 72 seats was introduced to complete the job. How many rounds will the third helicopter have to undertake?

1. 6
2. 5
3. 3
4. 4

Testbook Solution   Correct Option **- 2**

Que. 11   In the question, a statement is given followed by two arguments 1 and 2. You have to take the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given arguments, if any, support the given statement.

Statement: Should we declare war on our neighboring country Pakistan?

Argument:

1. Yes, because the latter has been involved in many terrorist activities in India. This is the only way to stop them from doing such things.

2. No, war will cause great loss of money, infrastructure and human life.

1.   Neither Argument 1 nor Argument 2 is strong
2.   Argument 1 and Argument 2 are both strong
3.   Only Argument 2 is strong
4.   Only Argument 1 is strong
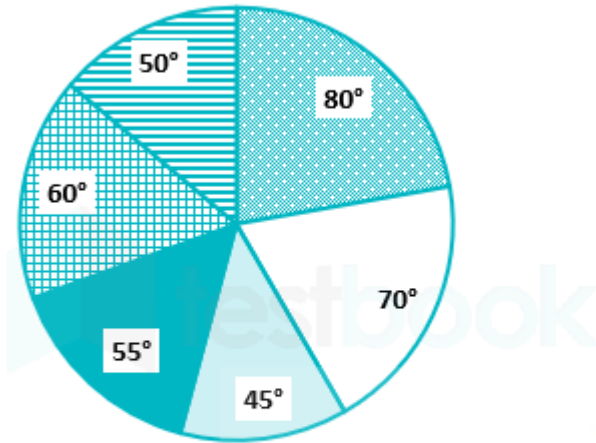
Testbook Solution   Correct Option **- 3**

Que. 12   Sum to infinity of a geometric is twice the sum of first two terms. Then what are the possible values of the common ratio?

1. $\pm\frac{1}{\sqrt{2}}$
2. $\pm\frac{1}{2}$
3. $\pm\frac{1}{\sqrt{3}}$
4. $\pm\frac{1}{3}$

Testbook Solution   Correct Option **- 1**

Que. 13   The given pie chart shows the marks obtained in an examination by a student (in degrees). Observe the pie chart and answer the question that follows.

Mark obtained in examination

- **Maths**
- **Physics**
- **Chemistry**
- **Biology**
- **English**
- **Physical Education**

If the total marks are 720, then the marks obtained in English is what percentage of the marks obtained in Maths?

1. 50%
2. 55%
3. 75%
4. 60%

Testbook Solution Correct Option **- 3**

Que. 14 180 chocolates were distributed among A, B and C such that A received 5 times as much as B and C received 3 times as much as B. Find the number of chocolates received by B.

1. 25
2. 30
3. 20
4. 35

Testbook Solution Correct Option **- 3**

Que. 15 **Directions: A statement is 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 statement.**

Statement: The DNA of human matches that of apes

Inferences:

I, Therefore, humans have evolved from apes.

II, Therefore, many physiological processes of humans resemble that of apes.

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

Testbook Solution Correct Option **- 2**

Que. 16 **Directions: In the question below, a statement and assumptions numbered I and II are given. An assumption is something supposed or taken for granted. You have to consider the following assumption and decide which of the assumption is implicit in the statement.**

Statement: Students should learn keyboarding instead of writing with pen and paper, given the universality of digital communication.

Assumptions:

I. Digital communication is a preferred mode of communication.

II. Many trees are felled to generate paper.

1. Only assumption I is implicit.
2. Only assumption II is implicit.
3. Both assumptions I and II are implicit.
4. Neither assumption I nor II is implicit.

Testbook Solution Correct Option **- 1**

Que. 17 A question is given, followed by two arguments numbered I and II. Decide which of the arguments is/are strong with respect to the question.

Question

Should government officers be transferred after one or two years?

Arguments:

I. Yes. They get friendly with local people and are manipulated by them.
II. No. By the time their policies and schemes start taking shape, they have to learn.
III. No. This will create a lot of administrative hassles and cause a lot of inconvenience

1. Only argument I is strong
2. Only arguments II and III are strong
3. All are strong
4. Only arguments I and II are strong.

Testbook Solution Correct Option **- 2**

Que. 18 Read the given statement and conclusions carefully and decide which of the conclusions logically follow(s) from the statement.

Statement:

There is a general protest from the inhabitants of a certain area that the report submitted on riots in that area has been fabricated based on prejudices and the commission has not presented the whole event.

Conclusions:

I. Another inquiry commission should be sent for proper investigation.

II. The members of the commission should be severely punished.

Ill. The next commission should consist of inhabitants of that area only.

1. Both conclusion I and II follow.
2. Both conclusion II and III follow.
3. All of the conclusions follow.
4. None of the conclusion follow.

Testbook Solution Correct Option **- 1**