

# Management Aptitude Test

## December 07, 2003

The test comprised 200 questions, to be solved in a time span of 150 minutes. As such no sectional time limit were mentioned. While there was 1 mark allotted for each correct answer, the instructions mentioned that there are negative marks for wrongly marked answers, however no quantification of the same was done. Thus, while solving the paper students had to concentrate more on accuracy.

Sections	Number Of Questions
Intelligence and critical reasoning	40
Data analysis and sufficiency	40
Language comprehension	40
Mathematical aptitude	40
Indian and global environment	40
<b>Total</b>	<b>200 Questions</b>

### A bird's eye view :

- Total Number of Questions** : 200 Objective types question.  
**Total Time** : 150 minutes.  
**The Marking Scheme** : 1 mark for correct answers.  
 Negative marking was not quantified

### Detailed Analysis :

## INTELLIGENCE AND CRITICAL REASONING

The following Venn diagrams show the relationship between the words mentioned below

**DIRECTIONS for Q.1 to 7 :** Find the relationship that best relates the diagrams.



1. Atmosphere : Water : Hydrogen  
 Sol. **Ans.(1)**

2. Shirt : Collar : Pocket  
 Sol. **Ans.(3)**

Five more relations based on the same concept .....

A committee decides to recruit a team of 5 members for a project out of which there are three book keepers named A, B, C and five secretaries named D, E, F, G, H.

**DIRECTIONS for Q.8 to 14 :** The following are the premises on which the selections are based.

- A and C have a feeling of animosity between each other hence cannot go together.
- C and E are competing for promotion, so must not be accompanied together.
- D and G always have differences in their opinion, and hence cannot be teamed up.
- D and F are never together.

8. Which of the following CANNOT be a possible combination.

- (1) ABGFE (2) BCFGH  
 (3) ABDEH (4) BCEHG

Sol. Clearly option (4) is in conflict with the second premise hence **Ans.(4)**

9. If 'C' is selected then a possible combination can be:

- (1) ACFGH (2) BCEGH  
 (3) BCFGH (4) ABEGH

Sol. **Ans.(3)**

10. If A and H are selected as team members then a possible combination of the rest of the team members can be :

- (1) ABFGH (2) ACDGH  
 (3) ACFGE (4) ABDFH

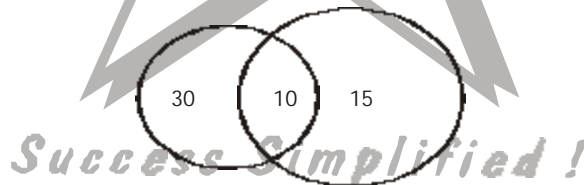
Sol. **Ans.(1)**

Four more questions based on the same concept .....

15. In a colony 40% of the population drink coca-cola 25% of them drink pepsi, 10% of the population drink both, how many of them like none of the drinks.

- (1) 25% (2) 45%  
 (3) 35% (4) 55%

Sol.



People liking more of the during are  $100 - (30 + 10 + 15) = 45\%$  **Ans.(2)**

16. A monkey attempts to climb a pole 15 meters high, in a minute he climbs 5 meters and in another minute falls down 3 meters. The total time taken to climb the vault will be :

- (1) 13 minutes (2) 15 minutes  
 (3) 14 minutes (4) 11 minutes

Sol. In the first minute he climbs 5 metres and in the second minute he slides down 3 metres. That means in 2 minutes he advances 2 meters upwards or we can say that in 10 minutes he advances 10 meters, in the next minute he will reach the top. Hence the total time taken will be 11 minutes. **Ans.(4)**

17. A person 'x' sorts out 'L' letters in every 60 minutes another person 'y' sorts out 'L' letters in every 30 minutes. How much time will both take in sorting 'L' letters.

- (1) 10 min (2) 30 min  
 (3) 20 min (4) 40 min

Sol. 'X' sorts 'L' letters in 60 minutes or  $L/60$  letters in a single minute, y sorts 'L' letters in 30 minutes or  $L/30$  letters in a single minute.

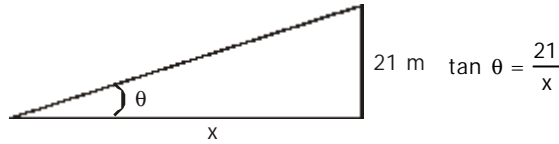
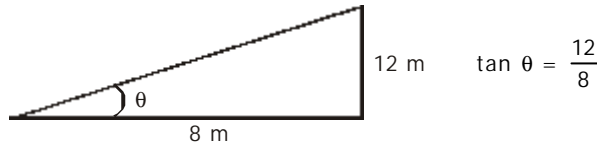
Working together they would sort  $\frac{L}{60} + \frac{L}{30} \Rightarrow \frac{L + 2L}{60} \Rightarrow \frac{3L}{60} \Rightarrow \frac{L}{20}$

Or 'L' letters will be sorted in 20 min.

**Ans.(3)**

18. A pole 12 meters long casts a shadow 8 meters long, the length of the shadow of a pole 21 meters at the same time will be :
- (1) 10 meters (2) 11 meters  
 (3) 20 meters (4) 14 meters

Sol.



At the same time. The angle of elevation of sun will remain the same. Hence  $\tan \theta$  will be the same.

$$\therefore \frac{12}{8} = \frac{21}{x}$$

$\therefore$  Length of shadow = 14 m. **Ans. (4)**

19. If Parikshit gets more points than Nutan and Nutan gets same number of points as that of Suman; also if Suman gets more points than Bijoy and Bijoy gets less number of points than Laxman, which of the following must be definitely true:
- (1) Laxman got more points than Nutan  
 (2) Laxman got more points than Parikshit  
 (3) Nutan got more points than Bijoy  
 (4) Nutan got more points than Laxman.

Sol. Let the names Parikshit, Nikhil, Suman, big is Laxman be denoted by P, N, S, B and L respectively.

$$P > N \dots (1)$$

$$N = S \dots (2)$$

$$S > B \dots (3)$$

$$L > B \dots (4)$$

Combining (1), (2) and (3)

$$P > N = S > B \text{ and } L > B. \text{ Ans. (3)}$$

11 questions were based on assertions and reasonings.

31. A company claims that the fumes leaked by its manufacturing plant pose no threat to the human population residing within the vicinity of its plant and that the level of pollution is not alarming enough to vacate the area.

*Which of the following premise would weaken the statement?*

- (1) A recent report states that 50 % of the deaths in the region happened due to poisonous gases in the atmosphere.  
 (2) Flue gases leaked by the company are within the accepted limits.  
 (3) Natural vegetation has deteriorate over the years.  
 (4) Government and people have taken steps to combat air pollution through afforestations.

Sol. The first option clearly weakens the contention that poisonous gases do not pose a threat to the human population. **Ans. (1)**

32. The carbon di oxide gases passed on by industrial units pose a serious threat to the average temperature of the globe. And that if not checked early it might lead to global warming with a consequence of melting polar ice caps.

*Which of the following statement would seriously undermine the premise put forth?*

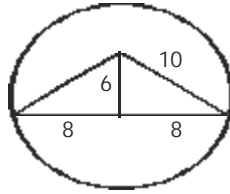
- (1) Most of the carbon-dioxide passed on to the atmosphere is done by automobiles.  
 (2) Carbon-dioxide produced increases the average temperature upto  $1^\circ \text{C}$ .  
 (3) Melting of polar ice caps do not pose a serious threat to our civilisation.  
 (4) Melting polar ice caps generate huge amounts of water thereby reducing water scarcity.

Sol. **Ans. (1)**

33. A straight path cuts across a circular garden the length of which is 16 units, if the distance of that path from the center is 6 units, the area of that circular field will be :

- (1) 15 m (2) 10 m  
(3) 12 m (4) 20 m

Sol.



Straightaway applying the pythagoras theorem

$$\sqrt{6^2 + 8^2} \text{ or } \sqrt{36 + 64} \text{ or } \sqrt{100} = 10\text{m} . \text{ Ans. (2)}$$

Seven more questions based on a set of statements wherein relationships between individuals of a family were given and questions were based on the relationships among them.

## DATA ANALYSIS AND DATA SUFFICIENCY

**For Q.41 to Q.80 :**

There were four sets data interpretation. The first one was a combination of line graphs, and histograms. The second was again a bar chart and the third was based on a pie-chart.

There were six to seven questions wherein students were asked to draw conclusions upon a given set of statements.

There were about eight to nine questions from data sufficiency which were on the manageable side.

## LANGUAGE COMPREHENSION

The language section comprised of three passages, followed by questions based on them.

**DIRECTIONS for Q.81 to 86 :** *Success Simplified !*

The first passage was based on the achievement of Indian Olympic association getting the honour of hosting the common wealth games 2010.

**Here is a gist of the passage:**

India's successful bid to host the common wealth games came as a moment of pride and honour to the Indian Olympic association. Now when the ball lies in our court it is the collective responsibility of the government and the sponsors to handle the entire event cautiously. Kudos to the committee in successfully grabbing the opportunity to host the event that comes next in line to the Olympics. After having the pride to host the Olympics, our close competitor amongst the developing nations- china, its now our turn to show our competence in hosting the event, not only the hosting part but also the sports authority should be geared up to show a decent enough performance in every field of sporting.

Sponsors on the other hand must give their best in developing the infrastructure and in the development of the sports village, this hosting should also be taken an opportunity to develop relations with the business community when the whole world would be watching us from very close quarters.

Five to six questions were based on this passage.

**Here is a gist of the second passage :**

***DIRECTIONS for Q.87 to 93 :***

The prima facie objective of education is to develop a sense of commitment and sincerity in a student so that when he/she graduates himself/herself from schooling, he/she must be willing to take charge of the society as a whole. In today's highly competitive world, where money is the epitome of power, it's a sorry state of affairs that even the education industry is also finding itself engulfed in the lust for money.

A lot many academicians are driven by thirst for money, which in turn affects the ways and means through which education is imparted. The author stresses that universities must be strict and the laws stringent for awarding affiliations to colleges. With colleges mushrooming each day and more and more students graduating, it's been found that the colleges are not satisfying even the bare minimum requirements.

Universities must see to it that colleges are given their due but not at the cost of diluted standards. Business with education will be as harmful as politics without values or business without ethics. The author stresses that the concept of TQM must be applied to colleges and universities cause this is the field which has direct and indirect implications on the society. Red tapism and nepotism has to be eliminated while recruiting faculties, and that a faculty must strive to be a true leader not only in the core subject concerned but also in every walk of life.

Six to seven questions were based on this passage.

***DIRECTIONS for Q.94 to 100 :***

The third passage was based on socialism and a line of comparison was drawn between science and socialism.

*Again four to five questions were based on it .*

Find the word which is closest in meaning to the below mentioned words:

101. Baroque

- (1) Extravagant
- (3) Crushed

- (2) Plain
- (4) Bright

Sol. **Ans.(1)**

102. Inundate

- (1) Removal
- (3) Kudos

- (2) Flood
- (4) Exalt

Sol. **Ans.(2)**

103. Fraught

- (1) Peaceful
- (3) Filled

- (2) Buoyant
- (4) Absence

Sol. **Ans. (3)**

104. Castigate

- (1) Eulogy
- (3) Worship

- (2) Admonish
- (4) Praise

Sol. **Ans.(2)**

Find the word which is close in meaning with the following phrases:

105. Very untidy

- |                 |               |
|-----------------|---------------|
| (1) Dishevelled | (2) Well kept |
| (3) Beautiful   | (4) Handsome  |

Sol. **Ans.(1)**

106. Natural ability

- |               |              |
|---------------|--------------|
| (1) Tendency  | (2) Prodigal |
| (3) Acclimate | (4) Flair    |

Sol. **Ans. (4)**

Fill in the blanks:

107. These are the trendiest wears I 've ever come across that's what you call .....

- |                   |                  |
|-------------------|------------------|
| (1) Haute couture | (2) Lethargic    |
| (3) Baroque       | (4) Ostentatious |

Sol. **Ans. (1)**

108. .... very hungry, he bought a sandwich at a local joint.

- |                 |                   |
|-----------------|-------------------|
| (1) Having felt | (2) Feeling       |
| (3) Being       | (4) After feeling |

Sol. **Ans.(2)**

In each of the following statements some words or phrases are underlined, find out the erroneous part.

109. Leaves are believed to be one of the best substance to form composite piles.

- |               |                     |
|---------------|---------------------|
| (1) Substance | (2) Leaves          |
| (3) believed  | (4) Composite piles |

Sol. The correct usage will be 'substances'. **Ans.(1)**

110. Against her parents wishes she has decided to go for the camp.

- |             |                |
|-------------|----------------|
| (1) Against | (2) has        |
| (3) Wishes  | (4) decided to |

Sol. The correct usage will be "Against her parents wish" **Ans.(3)**

*Success Simplified!*

Analogies:

111. Barge : vessel

- |                        |                        |
|------------------------|------------------------|
| (1) Synthetic : Fabric | (2) Chalk : Blackboard |
| (3) Table : chair      | (4) Pea : pencil       |

Sol. **Ans.(1)**

112. Renegade : Patriot

- |                         |                         |
|-------------------------|-------------------------|
| (1) Loyal : Loyalty     | (2) Prafab : Produce    |
| (3) Carpenter : Artisan | (4) Notorious : Reputed |

Sol. **Ans.(4)**

113. Potboiler : novelist

- |                         |                          |
|-------------------------|--------------------------|
| (1) Decorous : Delicate | (2) Employee : Salary    |
| (3) Dancer : Dance      | (4) Research : Professor |

Sol. **Ans.(4)**

114. Moderator : Debate

- (1) Business : Profit
- (3) Height : Hackneyed

- (2) Invigilator : Cheating
- (4) Patriot : Jingoist

Sol. **Ans.(2)**

Given below are some phrases followed by their meanings, choose the correct alternative:

115. Bark is worse than one's bite.

- (1) Not as harmful as it appears to be
- (3) To show off more than one has

- (2) To be unproductive
- (4) None of these

Sol. **Ans.(1)**

116. By the skin of one's teeth

- (1) To be immaterial
- (3) Annoy or irritate someone

- (2) Display of deep understanding
- (4) By a very narrow margin

Sol. **Ans.(4)**

117. Back up

- (1) Withdraw
- (3) Support

- (2) Confront
- (4) Dismiss

Sol. **Ans.(3)**

118. Look up to

- (1) Have respect for
- (3) Feeling of superiority

- (2) Over look
- (4) Pay heed to

Sol. **Ans.(1)**

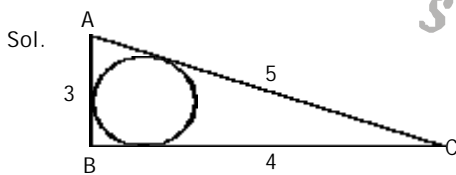
Two more questions were based on simple English usage like phrases and their meanings and fill in the blanks.

## MATHEMATICAL APTITUDE

121. What is the inradius of a circle inscribed in a right triangle of sides 3 and 4 centimeters?

- (1) 1 cm
- (3) 4 cm

- (2) 12 cm
- (4) 10 cm



$$\text{Area } A = \frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$$

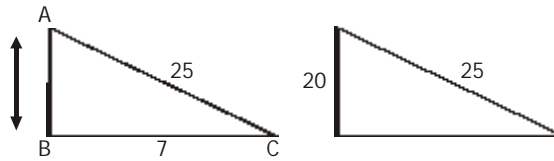
$$S = \frac{3 + 4 + 5}{2} = 6 \text{ cm}$$

$$r = \frac{A}{S} = 1 \text{ cm} \quad \text{Ans.(1)}$$

122. A ladder of length 25 meters is resting against a wall. The foot of the ladder is 7 meters away from the wall if the ladder slips 4 meters along the vertical wall, what will be the distance of the foot of the ladder from the wall.

- (1) 15 m (2) 12 m  
 (3) 36 m (4) 9 m

Sol. Given the ladder is resting against the wall at a distance of 7m.



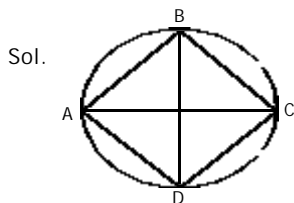
So, the height of the wall is  $\sqrt{25^2 - 7^2} = 24$  m.

As the point 'A' slides 4 metres downwards. The distance of C from B will be  $\sqrt{25^2 - 20^2} = 15$  m from the wall. **Ans.(1)**

123. Two chords are drawn in such a way that they pass through the center and intersect each other at 90°.

The quadrilateral drawn through the point of intersections of the chord and the circle will be a

- (1) Rectangle (2) Triangle  
 (3) Square (4) Trapezium



$AB = BC = CD = DA$

Hence the figure drawn will be a square. **Ans.(3)**

124. A taxi's fare are partly fixed and partly constant, the cost of travelling 13 kms is Rs. 96 and the cost of travelling 18 kms is Rs.131. What are the fixed costs of that taxi?

- (1) Rs.7 (2) Rs.15  
 (3) Rs.10 (4) Rs.5

Sol. Let the fixed cost be F and the variable cost be V.

Total taxi fare to travel 13 kms =  $F + 13V$

or  $131 = F + 18V$  ... (i)

$96 = F + 13V$  ... (ii)

$35 = 5V$

Or the variable cost is Rs.7/km

Substituting the above value in equation (i)

Fixed cost = Rs.5. **Ans.(4)**

125. A milkman has 60 litres of milk where the ratio of milk and water are in the ratio of 2 : 1. How much water should be added so that the ratio turns out to be 1 : 2?

- (1) 10 litres (2) 60 litres  
 (3) 40 litres (4) 30 litres

Sol. Given milk and water in the ratio 2 : 1.

60 litres of mixture has 40 litres of milk and 20 litres of water.

Working backwards from options.

If 60 litres of water is added the new ratio will be 1 : 2. **Ans.(2)**



126. In covering a distance of 30 kms Amit takes 2 hours extra as that taken by his friend Suresh. If Amit doubles his speed he takes 1 hour less than that taken by Suresh. Then Amit's speed is

- (1) 15 km/hr (2) 10 km/hr  
 (3) 5 km/hr (4) 20 km/hr

Sol. Let Amit's speed be A km/hr and Suresh's speed be S km/hr to travel a distance of 30 km/hr.

$$\frac{30}{A} = \frac{30}{S} + 2 \quad \dots(1)$$

After doubling up his speed its been given that Amit's takes 1 hr less

$$\therefore \frac{30}{2A} = \frac{30}{S} - 1 \quad \dots(2)$$

Solving (1) and (2)

$$\frac{30}{A} = \frac{30}{S} + 2$$

$$\frac{30}{2A} = \frac{30}{S} - 1$$

$\therefore A = 5$  km/hr. **Ans.(3)**

127. A train is moving at a speed of 100 kmph and it stops for 3 minute for every 75 kms it travels, the total time taken to travel 600 kms will be.

- (1) 6 hrs 24 minutes (2) 6 hrs 15 minutes  
 (3) 6 hrs 20 minutes (4) 6 hrs 10 minutes

Sol. If the train travels 600 kms., then the number of intervals of 75 kms will be 8 in number. Also given that each stop consumes 3 minutes hence 8 stops will consume 24 minutes in total.

So the total time consumed will be 6 hrs to travel 600 kms @ 100 kmph and 24 minutes for stops.

In total 6 hrs 24 min. **Ans.(1)**

128. The sum of the sixth and the fifteenth term of a A.P equals to the sum of the seventh, tenth and twelfth term. If the nth term of this A.P is zero then the value of n is

- (1) 6 (2) 7  
 (3) 5 (4) 8

Sol.  $a_6 = a_1 + 5d \dots\dots\dots(1)$

$a_7 = a_1 + 6d \dots\dots\dots(2)$

$a_{15} = a_1 + 14d \dots\dots\dots(3)$

$a_{10} = a_1 + 9d \dots\dots\dots(4)$

$a_{12} = a_1 + 11d \dots\dots\dots(5)$

Adding (1) and (3), and (2), (4) and (5).

$$2a_1 + 19d = 3a_1 + 26d$$

$$\Rightarrow 19d - 26d = 3a_1 - 2a_1 = a_1$$

$$\Rightarrow a_1 = -7d$$

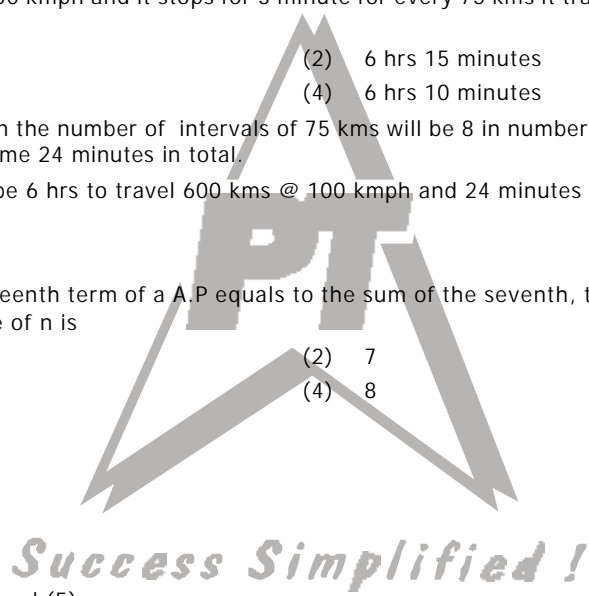
$$a_1 + (n - 1)d = 0.$$

$$\Rightarrow -7d + (n - 1)d = 0$$

$$(n - 1)d = 7d$$

$$n - 1 = 7$$

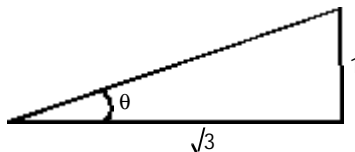
$n = 8$ . **Ans.(4)**



129. The ratio of the perpendicular to the base of a right triangle is  $1/\sqrt{3}$  then the angle of elevation of the sun is

- (1)  $90^\circ$  (2)  $30^\circ$   
 (3)  $45^\circ$  (4)  $60^\circ$

Sol.



$$\tan \theta = \frac{1}{\sqrt{3}}$$

Or  $\theta = 30^\circ$ . **Ans.(2)**

130. The possible ways of arranging the word PROMISE when no two vowels are together is

- (1)  $4! \times {}^5P_3$  (2)  $4! \times {}^5P_2$   
 (3)  $4! \times {}^7P_3$  (4)  $5! \times {}^5P_3$

Sol. In the word PROMISE we have 3 vowels and 4 consonants, so to have no two vowels together we should have the following arrangement.

$\times C \times C \times C \times C \times \times$ , the places represented by  $\times$  can be occupied by vowels and places and the places marked by C are to be filled by consonants, so 4 consonants can be arranged in  $4!$  ways and 3 vowels can be arranged in 5 places in  ${}^5P_3$  ways. so required number of ways is  $4! \times {}^5P_3$ . **Ans.(1)**

131. A bag contains 3 red balls and 4 blue balls if a ball is drawn at random what is the probability that the ball is red?

- (1)  $3/7$  (2)  $1/7$   
 (3)  $2/7$  (4)  $3/4$

Sol. **Ans (1)**

132. Ram can finish a piece of work in 60 days and Shyam can finish the same work in 40 days. If assisted by a boy all three can finish the work in 20 days. If Rs. 200 has to be distributed as wages then the boy's share will be:

- (1) Rs.50 (2) Rs.100  
 (3) Rs.33.33 (4) Rs.133.33

Sol. Ram's one day work =  $\frac{1}{60}$  part

Shyam's one day work =  $\frac{1}{40}$  part *Success Simplified!*

Let the Boy's one day work  $\frac{1}{B}$  part

$$\frac{1}{60} + \frac{1}{40} + \frac{1}{B} = \frac{1}{20}; \text{ or } \frac{40 + 60}{2400} + \frac{1}{B} = \frac{1}{20}$$

$$\text{or } \frac{1}{24} + \frac{1}{B} = \frac{1}{20} \quad \text{or } \frac{1}{B} = \frac{1}{20} - \frac{1}{24}$$

$$\text{or } \frac{24 - 20}{20 \times 24} \quad \text{or } \frac{4}{20 \times 24}$$

$$\text{or } \frac{1}{120}$$

The boy will take 120 days to finish the work

Rs. 200 will be distributed in the ratio of  $\frac{1}{60} : \frac{1}{40} : \frac{1}{120} = 2 : 3 : 1$

$\therefore$  The boy will be paid  $\frac{1}{6} \times 200 = \text{Rs.}33.33$ . **Ans.(3)**

133. A successive discount of 10%, 20%, and 30% is equivalent to a single discount of

- (1) 50.4 % (2) 30 %  
 (3) 49.6 % (4) 45 %

Sol. **Ans.(3)**

134. A metallic sheet of thickness 2cm is cut to make an open box of dimensions 53 cm × 49 cm × 27 cm. If one cubic centimeter weighs 0.5 gms then the weight of the box will be

- (1) 11.285 (2) 13.5 kg  
 (3) 2 kg (4) 15 kg

Sol. Since we have to find the volume of an open box we require to find the total surface area of the required box and multiply the result by the thickness of the sheet. Hence

$$[2 \{ (53 \times 49) + 2(49 \times 27) + 2(53 \times 27) \}] \times 0.5 / 1000 \text{ kg} = 11.285 \text{ kg. Ans. (1)}$$

135. If the system of equations  $2x+3y-6=0$  and  $6x+9y-k=0$  has infinite number of solutions then the value of K will be:

- (1) 10 (2) 12  
 (3) 9 (4) 18

Sol. **Ans.(4)**

Two columns A and B are given.

Mark your answer as (1) if column A is greater than column B.

Mark your answer as (2) if column B is greater than column A.

Mark your answer as (3) if column A is equal to column B.

Mark your answer as (4) if the relation cannot be determined.

Column A

136.  $(0.2)^3$

Sol. **Ans.(2)**

Column B

$\sqrt{(0.64)}$

137.  $\frac{(C)^2(D)^2(E)^2}{(C)^3(D)^3(E)^3}$

Sol. **Ans. (4)**

$\frac{(C)(D)(E)}{3}$

138. (5) (12) (144)

Sol. **Ans. (1)**

$(25)^2$

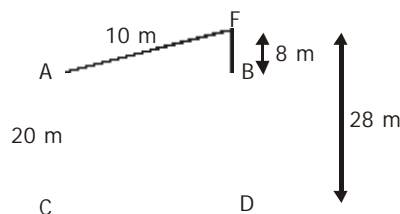
*Success Simplified!*

139. Two trees of height 20 and 28 meters respectively have their tops 10 meters apart. The horizontal distance between the bases of the trees is:

- (1) 6 m (2) 9 m  
 (3) 12 m (4) 16 m

Sol. Given that the tree tops are 10 metres apart, the height of the two trees are 20 m and 28 metres respectively.

∴ the distance between the two trees is given by



$$\begin{aligned} AB &= \sqrt{AE^2 - BE^2} \\ &= \sqrt{10^2 - 8^2} \\ &= \sqrt{36} = 6 \text{ m. Ans. (1)} \end{aligned}$$

140. A manufacturer makes 2000 pieces with a costing of Rs. 25 per piece. He makes a profit of 25% assuming that 10% of the pieces are defected. If due to some reasons the number of defective pieces shoot upto 50% what is the net loss incurred ?
- (1) Rs.38000 (2) Rs.13000  
 (3) Rs.10000 (4) Rs.25000
- Sol. Price of manufacturing 2000 pieces is  $2000 \times 25 = \text{Rs.}50,000$ .  
 If 10% of pieces are defective them 1900 pieces costs  $1900 \times 25 = \text{Rs.}47,500$   
 Also given a profit of 25% is earned  
 i.e.,  $1.25 \times x = 47500$ .  
 Hence the actual cost price is Rs.38000.  
 For 50% defects the cost price is  $\text{Rs.}1000 \times 25 = 25000$ .  
 Hence a loss of Rs.13000 is incurred. **Ans.(2)**

141. A person purchases 100 kgs of apples at Rs. 9/kg out of which 10 % are rotten. What is the price per kg he should mark so as to earn a profit of 10 %.
- (1) Rs. 9 (2) Rs.21  
 (3) Rs. 16 (4) Rs.11
- Sol. The person purchases 100 kgs of apples at Rs.9 kg, hence the total cost of apples = Rs.900.  
 If 10% of apples are rotten.  
 90 kg of apples cost Rs.900.  
 Or 1 kg of apples cost Rs.10.  
 So, to earn a profit of 10% the costing will be Rs.11 per kg of apples. **Ans.(4)**

18 to 19 more questions were based on commercial mathematics.

## GENERAL KNOWLEDGE

161. Since when was the Bharat ratna award started.
162. Who was awarded the honour of 'Wisden cricketer of the year'
163. The ceremony in which Mrs. Kiron Kher was awarded for her performance in the movie 'Khamosh paani' was held in ....
164. Who has the authority of signing up Re 1 currency notes.
165. Which two pharma companies joined hands to share their "research and collaboration" with their patented drugs?
166. The punch line of 'Hutch telecom is *Success Simplified!*
167. The punch line "Because you deserve to know" is assigned to ....
168. Saatvik Agarwal an Indian school-goer was in news recently because ....
169. As per the "India vision 2020" the unemployment rate should be reduced to ....
170. The capital of Lakshwadeep is ....
171. The supersonic missile developed in collaboration with Russia is named .....
172. This aircraft is indigenously developed and is pilotless; its name is .....
173. Which of the following agency does not advances loans to build infrastructure to local authorities?
174. The term "rolling settlement" introduced by 'SEBI' means ....
175. The full form of TRAI is ....

176. Which indoor game was formerly named 'Lexico'?
177. The full form of IRDA is .... .
178. In which year was the human genome map unveiled?
179. The following company has its customer's telephone numbers starting with 2.
180. Which telecom company is the first of its kind in rendering matrimonial services on cell phones?
181. Which international banking company has recently completed 150 years of service in the banking sector?
182. In which state is the 'Nalsarovar' sanctuary located?
183. Where were the Asian Games held in Asia recently?
184. In which country is the SAARC secretariat located?
185. The term 'Excise duty' includes .....
186. The first Chinese man in space will be .....
187. The author of the book 'Kargil: conflicts and their facts and fiction' is .....
188. Which Indian satellite was launched from French Guiana in the month of September?
189. The term gram sabha was introduced in the "Gazette of India" in the year .....
190. The 86th amendment act directs states to provide free and compulsory education to children in the age group of .....
- 10 more questions were based on current affairs.*



*Success Simplified!*