

# FCI AGM (GENERAL ADMIN.) 2021 PREVIOUS PAPER

## GENERAL APTITUDE

**Directions: Study the information below and answer the given questions.**

Nine people A, B, C, D, E, F, G, H and J stay in a building, not necessarily in the same order. The building has nine floors and only one person stays on one floor. All of them wear one shirt each, and each shirt is a different colour i.e. blue, grey, white, black, yellow, green, red, orange and pink not necessarily in the same order. The ground floor is numbered 1, the floor above it number 2 and so on and the top most floor is numbered 9. H wears a black coloured shirt and stays on an even numbered floor. A stays on any even numbered floor below the floor on which H stays. The one who wears an orange coloured shirt stays on the fourth floor. E stays on the second floor and wear the white coloured shirt. The one who wears a pink coloured shirt stays on the third floor. A does not wear a green coloured shirt. There are two floors between the floors on which the people wearing the red and the black coloured shirts. C wears a grey coloured shirt. There are three floors between the floors on which C and G stay. D stays on a floor immediately above J's floor. There is one floor between the floors on which F and G stay. F does not wear the pink coloured shirt. The one who wears the blue shirt stays on the top most floor. F does not stay on the ground floor.

**Q.1 How many floors are there between the floor on which J stays and the floor on which C stays?**

- a) One
- b) Two
- c) None
- d) Three
- e) More than three

**Q.2 Which of the following is true as per the given information?**

- a) B stays on a floor immediately below the floor on which H stays
- b) G stays on a floor immediately above the floor on which A stays
- c) F stays on the eighth floor
- d) D wears the orange coloured shirt**
- e) None is true

**Q.3 On which of the following floors does G stay?**

- a) 1<sup>st</sup>
- b) 6<sup>th</sup>
- c) 5<sup>th</sup>**
- d) 7<sup>th</sup>
- e) None of these

**Q.4 Who amongst the following stays on the top most floor?**

- a) F

- b) G
- c) D
- d) C
- e) **None of these**

Q.5 A wears a shirt of which of the following colours?

- a) Orange
- b) Pink
- c) **Yellow**
- d) Blue
- e) None of these

Explanation:

- 9 — B-Blue
- 8 — H-Black
- 7 — F-Green
- 6 — A-Yellow
- 5 — G-Red
- 4 — D-Orange
- 3 — J-Pink
- 2 — E-White
- 1 — C-Grey

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**Directions: Study the following information to answer the given questions.**

- (i) Eight persons E, F, G, H, I, J, K and L are seated around a square table-two on each side.
- (ii) There are three lady members and they are not seated next to each other.
- (iii) J is between L and F
- (iv) G is between I and F
- (v) H, a lady member, is second to the left of J.
- (vi) F, a male member, is seated opposite to E, lady member.
- (vii) There is a lady member between F and I

**Q.6 Who among the following are the three lady members?**

- a) E, H and J
- b) E, G and J
- c) G, H and J
- d) H, E and G
- e) None of the above

**Q.7 Which of the following is true about J?**

- a) J is a male member
- b) J is a female member
- c) Sex of J cannot be determined
- d) Position of J cannot be determined
- e) All of the above

**Q.8 Who among the following is seated between E and H?**

- a) I
- b) J
- c) F
- d) K
- e) None of these

**Q.9 Who among the following is to the immediate left of F?**

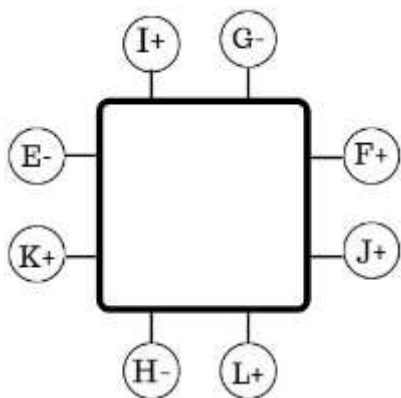
- a) G
- b) J
- c) I
- d) K
- e) None of these

**Q.10 How many persons are seated between k and F?**

- a) One
- b) Two
- c) Three
- d) Cannot be determined
- e) None of these

**Solutions:** According to the Given Information, the sitting arrangement as shown below:

Note: (+) = Male, (-) = Female



6. (d) It is clear from the figure that, the three lady members are H, E and G.
7. (a) It is clear that, J is a male member.
8. (d) K is sitting between E and H.
9. (b) J is sitting to the immediate left of F
10. (c) There are three persons seated between K and F on either side.

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**Directions: Read the following information carefully and answer the given questions-**

A word and number arrangement machine when given an input line of words and number rearranges them following a particular rule. The following is an illustration of input and rearrangement-

**Input:** '44 rate 34 60 over 47 tin 32 fix 63 profit use expenses 37'.

**Step-I:** 'use 44 rate 34 60 over 47 tin 32 fix profit expenses 37 63'.

**Step-II:** 'tin use 44 rate 34 over 47 32 fix profit expenses 37 63 60'.

**Step-III:** 'rate tin use 44 34 over 32 fix profit expenses 37 63 60 47'.

**Step-IV:** 'profit rate tin use 34over 32 fix expenses 37 63 60 47 44'.

**Step-V:** 'over profit rate tin use 34 32 fix expenses 63 60 47 44 37'.

**Step-VI:** 'fix over profit rate tin use 32 expenses 63 6047 44 37 34'.

**Step-VII:** 'expenses fix over profit rate tin use 63 60 47 44 37 34 32'.

**Step-VII** is the last step of the rearrangement of the above input as the intended rearrangement is obtained.

As per the rules followed in the above steps, indicate the answer in each of the following questions with respect to the appropriate step for the given input. Input for the questions is,

**Input :** 40 of must attend 30 60 80 regular school 70 students 20 class 50'

(All the numbers are two digits numbers)

**Q.11 Which step number will be the following output? 'of regular school students 40 must attend 30 20 class 80 70 60 50'?**

- a) Step- V
- b) Step-III
- c) **Step- IV**
- d) Step- VI
- e) There is no such step

**Explanation:**

**Input:** 40 of must attend 30 60 80 regular school 70 students 20 class 50

**Step I:** students 40 of must attend 30 60 regular school 70 20 class 50 80

**Step II:** school students 40 of must attend 30 60 regular 20 class 50 80 70

**Step III:** regular school students 40 of must attend 30 20 class 50 80 70 60

**Step IV:** of Regular school students 40 must attend 30 20 class 80 70 60 50

**Step V:** must of regular school students attend 30 20 class 80 70 60 50 40

**Step VI:** class must of regular school students attend 20 80 70 60 50 40 30

**Step VII:** attend class must of regular school students 80 70 60 50 40 30 20

**Direction: Study the given information and answer the question:**

7 friend Suresh, Tina, Ujwal, Viren, Wasim, Xavier and Yogesh are of different weights. Ujwal is 2<sup>nd</sup> lightest. Xavier is lighter than 1 person only but heavier than Yogesh. 3 persons are heavier than Tina but lighter than Suresh who is not the heaviest. Wasim is heavier than Tina. Yogesh is not the lightest.

**Q.12 How many are lighter than Ujwal but heavier than Viren?**

- a) None
- b) 2
- c) 1

- d) 3  
e) None of these

**Ans: (1)**

**Solution:**

Ujwal is 2<sup>nd</sup> lightest.

Xavier is lighter than 1 person only but heavier than Yogesh.

\_\_\_\_\_ Xavier \_\_\_\_\_ \_\_\_\_\_ Ujwal \_\_\_\_\_

3 persons are heavier than Tina but lighter than Suresh who is not the heaviest.

Wasim is heavier than Tina

Wasim Xavier Suresh Tina \_\_\_\_\_ Ujwal \_\_\_\_\_

Yogesh is not the lightest.

Wasim Xavier Suresh Tina Yogesh Ujwal Viren

Hence, **None** is lighter than Ujwal but heavier than Viren.

**Directions:** In the following question assuming the given statements to be True, find which of the conclusion among given conclusions is/are definitely true and then give your answers accordingly.

**Q.13 Statements:**  $G \geq L$ ;  $X < O$ ;  $L < O$ ;  $J > G$

**Conclusions:**

- I.  $O > G$
  - II.  $L = G$
  - III.  $X > O$
  - IV.  $G > L$
1. Only III is True
  2. Both I and II are True
  3. Either II or IV
  4. Only IV is True
  5. None of these

**Ans: (3)**

**Solution:**

Given statements:  $G \geq L$ ;  $X < O$ ;  $L < O$ ;  $J > G$

Combined statement:  $J > G \geq L < O > X$

**Conclusions:**

- I.  $O > G \rightarrow$  False (as  $G \geq L$  and  $L < O \rightarrow$  thus clear relation between O and G cannot be determined)
- II.  $L = G \rightarrow$  False (as case can be  $G > L$  also)

III.  $X > O \rightarrow$  False (as statements satisfy  $O > X$ )

IV.  $G > L \rightarrow$  False (as according to statements  $G = L$  can also be True)

Statement II and IV is forming a complementary pair

Hence, Either II or IV follows.



Directions: Solve the given questions based on the coded sentences.

In a certain code language,

They are coming is written as tu ke je.

But they are dancing is written as je ke pe me.

He loves dancing is written as me te fe.

They will see him is written as ke re ce de

Q14. What is the code of 'They'?

1. ce
2. ke
3. de
4. je
5. me

**Answer- (2)** 'They' is coded as ke.

**Solution-**

On solving,

They= ke

Are= je

Coming= tu

But= pe

Dancing= me

He= fe/te

Loves= fe/te

**Directions:** Below in each question are given two statements (A) and (B). These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

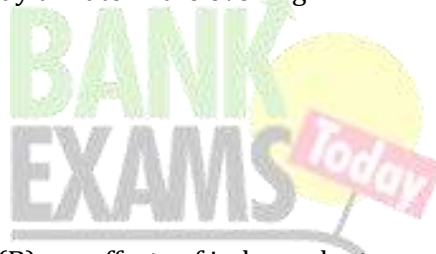
**Give answer**

1. if statement (A) is the cause and statement (B) is its effect
2. if statement (B) is the cause and statement (A) is its effect
3. if both the statements (A) and (B) are independent causes
4. if both the statements (A) and (B) are effects of independent causes
5. if both the statements (A) and (B) are effects of some common causes

**Q.15** A. Many elderly people are continuously harassed by the youngsters in the locality

B. Many children living in the locality play till late in the evening.

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



**Explanation:** Both statements (A) and (B) are effects of independent causes.

**Direction:** In the question below are given four statements followed by four conclusions numbered I, II and III You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

**Q.16 Statements:**

Some cakes are cream

Some cream is pie

Some pie is apple

**Conclusions:**

I. Some apple are cream

II. Some apple is cake

III. No apple is cream

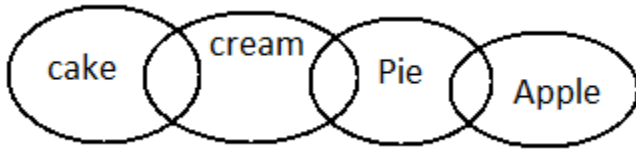
- a) None follows



- b) Only II and III follows
- c) Only I follows
- d) Either I or III follows
- e) Only III follows

**Explanation:**

The least possible Venn diagram for the given statements is as follow



**Conclusions:**

- I. Some apple are cream → False (It is possible but not definite)
- II. Some apple is cake → False (It is possible but not definite)
- III. No apple is cream → False (It is possible but not definite)

Thus, None follows.

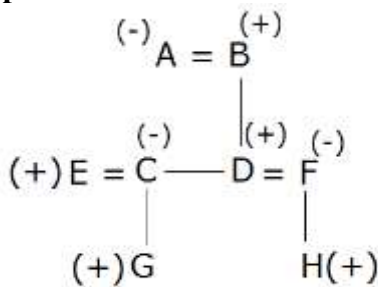
**Direction: Study the information given below carefully and answer the questions that follow.**

There are eight members in a family – A, B, C, D, E, F, G and H. A is the grandmother of G. A is married to B. B has one son and one daughter. C, the daughter of A is married to E. F is the wife of D who is the son of A. H is the son of D. E has one son.

**Q.17 How is H related to B?**

- a) Grandson
- b) Son
- c) Brother
- d) Son-in-law
- e) None of these

**Explanation:**



Hence, H is a grandson of B

**Direction: Study the information given below carefully and answer the questions that follow.**

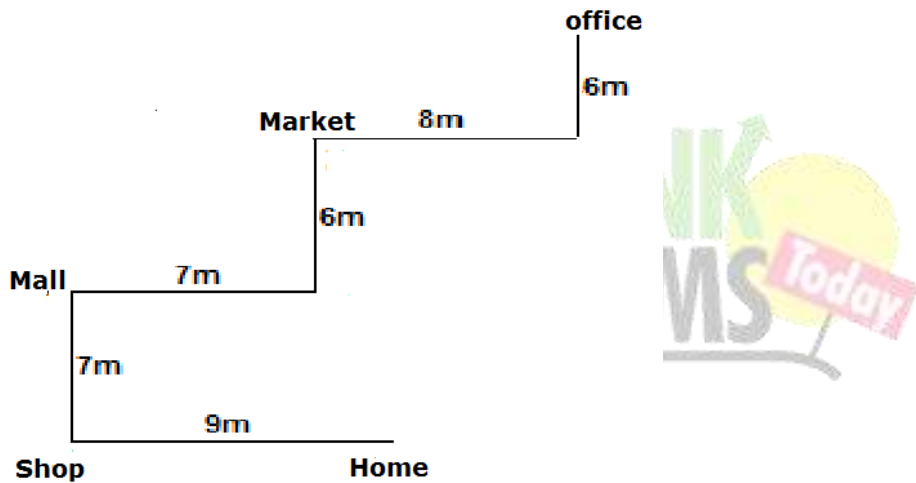
Aakash starts from his home and drives 9km towards the west to shop. After purchasing items from the shop, he turns right and after driving for 7km more, he reaches the mall, from where he takes another right turn and drives 7km before turning left. After that driving for 6km, they reach the market. From the market, he turns right and drives 8km and then Aakash turns left and drives 6km to reach his office.

**Q.18 What is the direction of the office with respect to Aakash Home?**

- a) Northwest
- b) Southeast
- c) Northeast**
- d) Southwest
- e) None of these

**Explanation:**

Let us draw the diagram according to the information given in the question,



Hence, Aakash office is in the north-west direction with respect to the his Home.



**Directions:** In each question below is given a statement followed by three assumptions number I, II and III. An assumption is something supposed or taken for granted. You have to consider the statement along with the assumptions and decide which of the assumptions is implicit in the statement. Then decide which of the alternatives is the correct answer.

**Q.19 Statement:**

"Use Riya Cold Cream for fair complexion" - an advertisement.

**Assumptions:**

- I. People like to use the cream for fair complexion.
- II. People are easily fooled.
- III. People respond to advertisements.

- a) Only I is implicit.
- b) Only II is implicit.
- c) Only I and III are implicit.**
- d) Only I and II are implicit.
- e) All are implicit.

**Explanation:** The advertisement itself denotes that people like to use the cream for fair complexion and they do respond to advertisements. Advertisements are for awareness of the product not for fooling people.

**Directions:** In the following questions, select the set of conclusion which logically follows from the given statements.

**Q.20 Statements:**

- I: All foxes are plates.
- II: All plates are trees.

**Conclusions**

I: All foxes are trees.

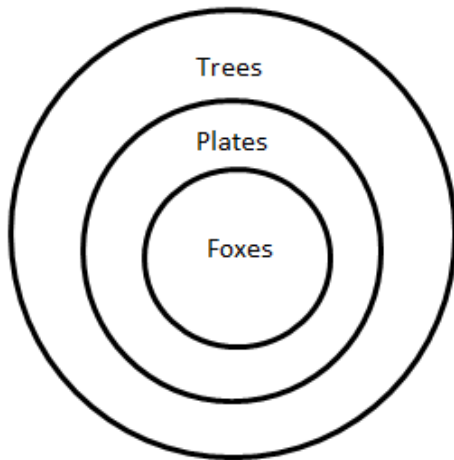
II: All trees are foxes.

III: Some trees are foxes.

IV: Some trees are plates.

- a) All conclusions are correct.
- b) Only conclusions I, III, and IV follow.**
- c) Only conclusions II, III, and IV follow.
- d) Only conclusions I and IV follow.
- e) None of the above.

**Explanation:** When all foxes are plates and all plates are trees, then naturally all foxes will be trees and some trees will then have to be foxes. And when all plates are trees then some trees will have to be plates. Therefore, only conclusions I, III and IV are correct.



**Directions:** The collections of a film on Saturday, from all the five centres, are listed in the table below. Study the table carefully and answer the following questions

CENTRES	COLLECTIONS
A	1,80,000
B	1,20,000
C	1,30,000
D	1,00,000
E	1,20,000

**Q.21** What is the average collection in all the centres?

- a) 100000
- b) 120000
- c) 130000**
- d) 140000
- e) 150000

Explanation: Avg collections =  $\frac{(A+B+C+D+E)}{5}$

$$= \frac{(180000+120000+130000+100000+120000)}{5}$$

$$= \frac{(650000)}{5} = 1,30,000 \text{-----ans(c)}$$

**Q.22** If 15 % of the collection goes as tax, what is the amount producer going to get from all the five centres on Saturday?

- a) 532000
- b) 542000
- c) 552000
- d) 562000
- e) **None**

**Explanation:** Amount that comes to producer = (total amount)× (100%-15%)

$$650000 \times \left(\frac{85}{100}\right) = 552500$$

**Q.23** If collections of A and C are interchanged, what is the change in the change in the average collection?

- a) 50000
- b) 20000
- c) 30000
- d) 10000
- e) **No change**

**Explanation:** By interchanging A & C, sum of all the five centres collection will not be changed, therefore average doesn't change .----- (e)

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**Q.24** What is the ratio of collections of A, B to the collections of C, D, E?

- a) 5:6
- b) 6:5
- c) 4:3
- d) **6:7**
- e) 7:9

**Explanation:** Sum of collections of A and B =  $(180000 + 120000) = 3,00,000$

Sum of collections of C, D, E =  $(9130000 + 100000 + 120000) = 3,50,000$

Ratio =  $300000 : 350000 = 6:7$

**Q.25** If the collections in centres A, B, C increase by 20 % and D, E decrease by 10 % on Sunday. What is the total collection of all the five centres on Sunday?

- a) 514000
- b) 614000
- c) 714000**
- d) 814000
- e) None

**Explanation:** Sum of collections of A, B & C on Sunday =  $(180000 + 120000 + 130000) \times \left(\frac{120}{100}\right) = 516000$

Sum of collections of D, E on Sunday =  $(100000 + 120000) \times \left(\frac{90}{100}\right) = 198000$

Total collections =  $516000 + 198000 = 7,14,000$

**Directions:** The following table shows the total number of persons qualified in the VRO exam in six different years and the ratio of male to female is also given. Study the table carefully and answer the following questions.

YEAR	TOTAL QUALIFIED PERSONS	RATIO OF MALE TO FEMALE
2001	55,000	6:5
2002	40,000	3:2
2003	28,000	4:3
2004	66,000	7:4
2005	54,000	5:4
2006	52,000	7:6

**Q.26** The total number of male candidates who qualified in the VRO exam in 2002 and 2005 together?

- a) 54,000**
- b) 32,000
- c) 36,000
- d) 65,000
- e) 53,000

**Explanation:**

No of qualified males in 2002 =  $\left(\frac{3}{5}\right) \times 40000 = 24000$

No of qualified males in 2005 =  $\left(\frac{5}{9}\right) \times 54000 = 30000$

So, total males in 2002 and 2005 =  $24,000 + 30,000 = 54,000$

**Q.27** The total number of male candidates who qualified in 2003 is approximately what per cent of the total number of candidates qualified in the exam 2005?

- a) 30%**
- b) 40%
- c) 50%

- d) 60%
- e) 70%

**Explanation:**

No of qualified males in 2003 =  $(\frac{4}{7}) \times 28000 = 16000$

No of qualified candidates in 2005 = 54,000

Hence,  $(\frac{16000}{54000}) \times 100 = 29.63\% = 30\%$  approx.

**Q.28 What is the average of qualified female candidates in the years 2002, 2003, 2004?**

- a) 15333.33
- b) 16333.33
- c) 17333.33**
- d) 18333.33
- e) 19333.33

**Explanation:**

No of qualified female candidates in the year 2002 =  $(\frac{2}{5}) \times 40000 = 16000$

No of qualified female candidates in the year 2003 =  $(\frac{3}{7}) \times 28000 = 12000$

No of qualified female candidates in the year 2004 =  $(\frac{4}{11}) \times 66000 = 24000$

Average =  $\frac{(16000+12000+24000)}{3} = 17333.33$

**Q.29 What is the difference between the number of female candidates who qualified in the year 2006 and the number of male candidates in the year 2003?**

- a) 4,000
- b) 9,000
- c) 8,000**
- d) 6,000
- e) 7,000

**Explanation:**

Number of qualified female candidates in 2006 =  $(\frac{6}{13}) \times 52000 = 24000$

Number of qualified male candidates in 2003 =  $(\frac{4}{7}) \times 28000 = 16000$

Difference = 24,000 - 16,000 = 8,000

**Direction:** The given question is followed by information in two statements numbered I and II. You have to find out the data in which statement(s) is sufficient to answer the question and mark your answer accordingly.

**Q.30** There are five friends Amit, Sameer, Mohan, Ria and Tina, which of the following came last?

**Statements:**

I. Ria came after Tina but not after Sameer

II. Mohan came after Amit but not after Sameer

- a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
- b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
- c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question
- d) If the data in both the statements I and II are not sufficient to answer the question
- e) **If the data in both the statement I and II are together necessary to answer the question.**

**Explanation:**

**Statement I:**

Tina Ria Sameer

**Statement II:**

Amit Mohan Sameer

By combining, **Statement I and II:**

We can conclude that Sameer is at last and the other four are above Sameer.

Hence, **option 5.**

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**Q.31 Which direction is Rohan facing?**

**Statements:**

I. In the early morning Rohan was standing on the basketball court. His shadow was falling behind him when he turned to his left.

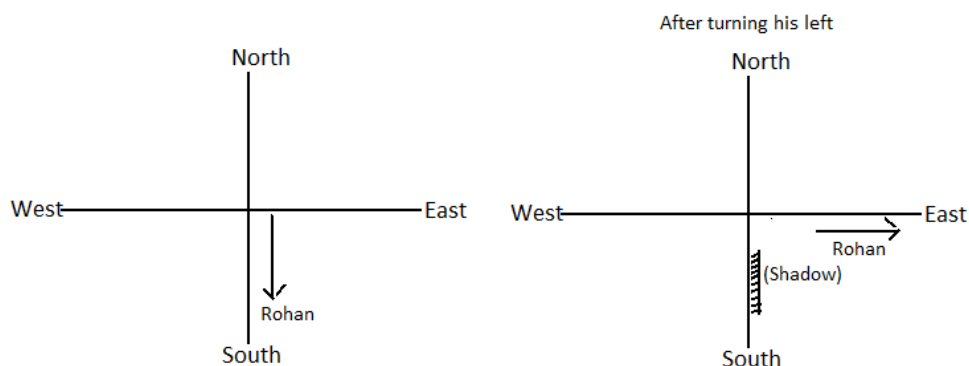
II. In the early morning Rohan was standing in front of a statue and the shadow of the statue was falling to the right of Rohan.



- a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
- b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
- c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question**
- d) If the data in both the statements I and II are not sufficient to answer the question
- e) If the data in both the statement I and II are together necessary to answer the question.

**Explanation:**

**Statement I:**



**Statement II:**

Shadow at the time of sunrise:

If a person faces South: Shadow will fall to his Right

Hence, **option 3 is correct.**

**Q.32 A, B, C, D and E are of different age, who is the youngest?**

**Statements:**

I. D is older than C

II. B is younger than A

- a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
- b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
- c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question
- d) If the data in both the statements I and II are not sufficient to answer the question**
- e) If the data in both the statement I and II are together necessary to answer the question.

**Explanation:**

**Statement I:** D C

**Statement II:** A B

By combining, **Statement I and II:**

No conclusion.

Hence, **option 4.**



**Q.33** In the certain code language, 'ja pa di' means 'they like flower'. What is the code for 'flower'?

**Statements:**

I. 'got ot di' mean 'we like orange'.

II. 'id num ja' mean 'they are brave'.

- a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
- b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
- c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question
- d) If the data in both the statements I and II are not sufficient to answer the question
- e) **If the data in both the statement I and II are together necessary to answer the question.**

**Explanation:**

**Statement I:**

'ja pa di' mean 'they like flower'

'got ot di' mean 'we like orange'

Code for 'di' is 'like'

**Statement II:**

'ja pa di' mean 'they like flower'

'id num ja' mean 'they are brave'

Code for 'ja' is 'they'

By combining, **Statement I and II:**

Code for 'flower' is 'pa'

Hence, **option 5.**

**Q.34 How many children are there between Parveen and Swati in a row?**

**Statements:**

I. Swati is exactly in the middle and there are 10 children towards his right.

II. Parveen is 15th from the left end of the row.

- a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
- b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
- c) If the data either in Statement I alone or Statement II alone are sufficient to answer the question
- d) If the data in both the statements I and II are not sufficient to answer the question
- e) **If the data in both the statement I and II are together necessary to answer the question.**

**Explanation:**

**Statement I:**

...10...Swati....10....

**Statement II:**

...14 Parveen.....

By combining, **Statement I and II:**

...10...Swati \_\_\_ Parveen..6.

Therefore, there are three children between Parveen and Swati.

Hence, **Option 5.**

**Q.35 The time taken by a boat to travel 'y' km upstream is thrice the time taken by the same boat to travel 'y' km downstream. If the speed of the boat in still water is 15km/h, what is the speed of the current (in km/h)?**

- a) 3 km/h
- b) 4 km/h
- c) **5 km/h**
- d) 6 km/h
- e) 8 km/h

**Explanation:**

Let the speed of current = x km/h



Downstream speed of boat =  $(15 + x)$  km/h

Upstream speed of boat =  $(15 - x)$  km/h

According to question:

$$\frac{y}{15 - x} = 2\left(\frac{y}{15 + x}\right)$$

$$15 + x = 30 - 2x$$

$$3x = 15$$

$$x = 5 \text{ km/h}$$



**Q.36 A takes 5 days to complete a job and B takes 10 days to complete the same job. In how much time they will complete the job together?**

- a) 2 days
- b) 3.33 days**
- c) 4.5 days
- d) 5 days
- e) None of these

**Explanation:**

A's efficiency = 20%,

B's efficiency = 10%.

If they work together they can do 30% of the job in a day.

To complete the job they need 3.33 days.

**Q.37 How many minutes Raman will take to cover a distance of 400 meters if he runs at a speed of 20 km/hr?**

- a) 2 mins

- b) 1.5 mins
- c) 1½ mins**
- d) 2.5 mins
- e) None of these

**Explanation:**

$$\Rightarrow \text{Raman's speed} = 20 \text{ km/hr} = 20 \times \frac{5}{18} = \frac{50}{9} \text{ m/sec}$$

$$\Rightarrow 400 \times \frac{9}{50} = 1\frac{1}{2} \text{ mins}$$

**Q.38 John travelled from his town to the city. John went to the city by bicycle at a speed of 25 km/h and came back at a speed of 4 km/h. If John took 5 hours and 48 min to complete his journey, what is the distance between town and city?**

- a) 15 km
- b) 22 km
- c) 20 km**
- d) 25 km
- e) None of these

**Explanation:**

$$\Rightarrow \text{Average speed of John} = \frac{2xy}{x+y} = \frac{2 \times 25 \times 4}{25+4} = \frac{200}{29} \text{ km/h}$$

$$\Rightarrow \text{Distance traveled} = \frac{200}{29} \times \frac{29}{5} = 40 \text{ km}$$

$$\Rightarrow \text{Distance between city and town} = \frac{40}{2} = 20 \text{ km}$$

**Q.39 A and B invest in a business in the ratio 3:2. If 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is:**

- a) Rs. 1435.25
- b) Rs. 1430
- c) Rs. 1500**
- d) Rs. 1535.25
- e) Rs. 1300

**Explanation:**

1) Let the total profit be RS.100

According to the question,

$$\text{After paying to charity, A's share} = \text{RS.} \left( 9 \times \frac{3}{5} \right) = \text{Rs. } 57$$

If A's share is Rs. 57, total profit = Rs. 100

$$\text{If A's share Rs. 855, total profit} = \text{RS.} \left( \frac{100}{57} \times 855 \right) = \text{Rs. } 1500$$

The correct answer is (C).

**Q.40 In what ratio must water be mixed with a liquid soap so as to gain 20% when selling the mixture at the cost price?**

- a) 1:5
- b) 3:4
- c) 6:11
- d) 5:12
- e) 7:13

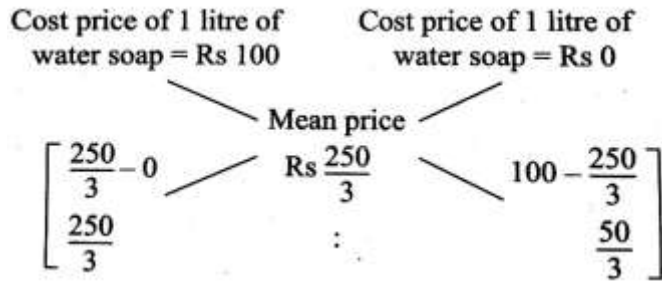
**Explanation:**

Let the CP of one litre soap= Rs 100

Then SP of one litre of mixture= Rs 100 at 20% profit

The CP of one litre of mixture

$$= \frac{100}{120} \times 100 = Rs \frac{250}{3}$$



So, the ratio of soap to water= 5:1

and that of water to soap= 1:5

**Q.41** Monika's present age is  $\frac{1}{8}$  of her father's age. Monika's father's age will be twice of Abhishek's age after 9 years. If Abhishek's 14th birthday was celebrated 8 years ago, then what is Monika's present age?

- a)  $7\frac{1}{4}$  years
- b)  $8\frac{1}{2}$  years
- c)  $6\frac{3}{4}$  years
- d)  $7\frac{1}{2}$  years
- e) None of these

**Explanation:**

Abhishek's present age = (14 + 8) = 22 years

Monika's father's present age =  $2 \times (22+9) = 62$  years

Monika's present age =  $62 \times \frac{1}{8} = \frac{31}{4} = 7\frac{3}{4}$  years

**Q.42** When an article is sold at Rs. 910000, then the profit percentage amounts to 30%. Determine the Cost Price.

- a) 910000

- b) 900000
- c) 700000**
- d) 500000
- e) None of these

**Explanation:**

When profit percentage is x%, in this case 30%,

Cost Price = 100

Selling Price =  $100 + x = 100 + 30 = 130$

The value of 130% is 910000, to find the value of Cost Price i.e. 100% the equation must be

$$\frac{910000}{130} \times 100 = 700000$$



**Q.43 From a container having pure milk, 20% is replaced by water and the process is repeated thrice. At the end of the third operation, the milk is:**

- a) 40% Pure
- b) 50% Pure
- c) 51.2% Pure**
- d) 58.8% Pure
- e) None of these

**Explanation:**

Let the total quantity of original milk= 1000gm.

Milk after first operation = 80% of 100= 800gm

Milk after second operation = 80% of 800= 640gm.

Milk after third operation = 80% of 640 = 512 gm

∴ Strength of final mixture = 51.2%

**Q.44** A train is 100 meters long and is running at a speed of 30 km per hour. Find the time it will take to pass a man standing at a crossing?

- a) 10 sec
- b) 12 sec**
- c) 11 sec
- d) 15 sec
- e) None of these

**Explanation:**

$$30 \times 10 \text{ ----- } 36$$

$$100. \text{ -----?}$$

$$\frac{(36 \times 100)}{(30 \times 10)} = 12 \text{ sec}$$

**Q.45** Two pipes P and Q can fill a cistern in 24 min. and 36 min. respectively. Third pipe R can empty it in 36 min. If all the three pipes are opened, find the taken to fill the cistern.

- a) 1 hour
- b) 24 mins**
- c) 36 mins
- d) 30 mins
- e) None of these

**Explanation:**

Since the time is taken to fill the cistern by Q = time taken to empty the cistern by R

So, the cistern will be filled by P in 24 min.

## GENERAL AWARENESS

**Q.46** Nathpa Jhagri Dam in Himachal Pradesh is built across which of the following rivers?

- a) River Godavari
- b) River Sutlej**
- c) River Indus
- d) River Chenab
- e) None of these

**Explanation:** The Nathpa Jhakri Dam is a concrete gravity dam on the Sutlej river in Himachal Pradesh, India. The primary purpose of the dam is hydroelectric power production and it supplies a 1,500 megawatts (2,000,000 hp) underground power station with water.

**Q.47** Which one of the following ranges forms the water divide between the Narmada and Tapti rivers?

- a) Satpura**
- b) Aravalli
- c) Vindhyan
- d) Kaimur



e) None of these

**Explanation:** The Narmada and the Tapti are major rivers that drain into the Arabian Sea. The Narmada originates in eastern Madhya Pradesh (India) and flows west across the state, through a narrow valley between the Vindhya Range and spurs of the Satpura Range.

**Q.48 Mangalore is situated on the banks of which of the following river?**

- a) **Nethravati**
- b) Kali
- c) Ghatprabha
- d) Sharavathi
- e) Tungabhadra

**Explanation:** Mangalore, officially known as Mangaluru, is the chief port city of the Indian state of Karnataka. The two major Rivers are the Gurupura River and the Nethravati River. The city of Mangalore lies on the backwaters of the Nethravati River.

**Q.49 Which of the following rivers flows through Maharashtra and Gujrat?**

- a) Sabarmati
- b) Godavari
- c) Mahi
- d) **Tapti**
- e) None of these

**Explanation:** Tapti rivers flow through Maharashtra and Gujarat. The Tapi is the second-largest westward draining inter-state river basin. It covers a large area in the State of Maharashtra besides areas in the states of Madhya Pradesh and Gujarat.

**Q.50 Headquarter of World Bank is situated at:**

- a) **Washington D.C.**
- b) Jeneva
- c) Luanda
- d) Both a and b
- e) None of these

**Explanation:** Headquartered in Washington, D.C., the bank is the largest source of financial assistance to developing countries.

**Q.51 Valmiki National Park situated in**

- a) Gujarat
- b) Assam
- c) **Bihar**
- d) Haryana
- e) Delhi

**Explanation:** Valmiki National Park, a tiger reserve and Wildlife Sanctuary are located at the India-Nepal border in the West Champaran district of Bihar, India on the bank of the river Gandak. It is the only National park in Bihar.

**Q.52 'Barabati Stadium' is a sports stadium situated in**

- a) Kannur, Kerala
- b) Kochi, Kerala
- c) Cuttack, Odisha**
- d) Guwahati, Assam
- e) None of these

**Explanation:** The Barabati Stadium, located in Cuttack, Odisha is one of the well-known cricket stadiums in India that host national level football matches. The stadium was inaugurated in 1958 and currently holds a seating capacity of 45,000.



**Q.53 Which of the following physiographic feature of India is geologically the oldest?**

- a) Himalayan Mountain Chain
- b) Indus-Ganga Brahmaputra Plain
- c) The Peninsular Plateau**
- d) The Coastal Plains
- e) None of these

**Explanation:** The Peninsular Plateau of India is 'geologically the oldest'. The Peninsular plateau is considered the oldest landmass as it was formed due to the drifting of the Gondwana land.

**Q.54 The Cudappah Ranges lie between**

- a) Godavari and Palkonda Range**
- b) Godavari and Jamshedpur
- c) Palar and Cauveri
- d) Satpura and Mohadeo-Maikal range
- e) None of these

**Explanation:** The Cudappah Ranges lie between the Godavari and Palkonda Range. Kadapa (alternatively spelled Cuddapah) is a city in the Rayalseema region of the south-central part of Andhra Pradesh, India. It is the district headquarters of Kadapa district.

**Q.55 Wadia Institute of Himalayan Geology is located at**

- a) Darjeeling

- b) Mussoorie
- c) Dehradun**
- d) Leh
- e) None of these

**Explanation:** Wadia Institute of Himalayan Geology, Dehradun is an autonomous research institute for the study of Geology of the Himalaya under the Department of Science and Technology, Ministry of Science and Technology, Govt. of India.

**Q.56 Koteswar dam is built across which river and is located in which state of India?**

- a) Bhagirathi and Uttar Pradesh
- b) Bhagirathi and Uttarakhand**
- c) Yamuna and Uttarakhand
- d) Rihand and Uttar Pradesh
- e) None of these

**Explanation:** The Koteswar Dam is a gravity dam on the Bhagirathi River, located 22 km (14 mi) downstream of the Tehri Dam in Tehri District, Uttarakhand, India. The dam is part of the Tehri Hydropower Complex and serves to regulate the Tehri Dam's tailrace for irrigation and create the lower reservoir of the Tehri Pumped Storage Power Station.

**Q.57 Which is India's largest multipurpose river valley project?**

- a) Bhakra Nangal**
- b) Damodar Valley
- c) Nagarjuna Sagar
- d) Thungabhadra
- e) None of these



**Explanation:** It is India's biggest multi-purpose river valley project so far completed at a cost of Rs. 236 Cr. It consists of a straight gravity dam, 518 mts long & 226 mts high across the Sutlej at Bhakra.

**Q.58 Which of the following is an east-flowing river?**

- a) Narmada
- b) Tapi
- c) Godavari**
- d) Chenab
- e) None of these

**Explanation:** The major east flowing rivers are Godavari, Krishna, Cauvery, Mahanadi, etc. Narmada and Tapti are major West flowing rivers.

**Q.59 Srinagar is situated along the banks of the river?**

- a) Sutlej
- b) Indus
- c) Ganga
- d) Beas
- e) Jhelum**

**Explanation:** Srinagar is the largest city and the summer capital of the Indian state of Jammu and Kashmir. It lies in the Kashmir Valley on the banks of the Jhelum River, a tributary of the Indus.

**Q.60 The Headquarter of SIDBI is located at:**

- a) **Lucknow**
- b) New Delhi
- c) Mumbai
- d) Bangalore
- e) None of these

**Explanation:** To promote, finance and for developing Micro, Small and Medium Enterprises (MSME) in India, the Small Industries Development Bank of India (SIDBI) was set up on April 2, 1990, through an act of parliament. The headquarters of SIDBI is in Lucknow.

**Q.61 Who among the following represented India in the 4th NSA Level Meet on Trilateral Maritime Security Cooperation which is held between India, Sri Lanka and the Maldives?**

- a) Giriraj Singh
- b) Rajnath Singh
- c) **Ajit Doval**
- d) Mansukh L. Mandaviya
- e) None of these

**Explanation:** The 4th NSA Level Meet on Trilateral Maritime Security Cooperation was held between India, Sri Lanka and the Maldives. The Indian side was represented by Ajit Doval, National Security Adviser.

**Q.62 In which state will be India's first Ethanol Plant on the basis of public-private partnership (PPP) set up by Bhoramdeo Sahakari Sakhar Utpadak Karkhana Maryadit (BSSUKM) and NKJ Biofuel Ltd?**

- a) Haryana
- b) **Chhattisgarh**
- c) Maharashtra
- d) Andhra Pradesh
- e) None of these

**Explanation:** The MoU is signed to set up India's first Ethanol Plant on the basis of public-private partnership (PPP). It will be built in Kabirdham, Chhattisgarh; which is the headquarter of BSSUKM.

**Q.63 Which organisation offers financial support for the STARS Project of the Ministry of Education?**

- a) UNICEF
- b) AIIB
- c) **World Bank**
- d) ADB
- e) None of these

**Explanation:** The Ministry of Education (MoE), Department of Economic Affairs (DEA) and World Bank signed the financial support agreement for STARS Project.

**Q.64 In partnership with whom, FICCI organised the 16th edition of the FICCI Higher Education Summit?**

- a) Ministry of Education
- b) **Ministry of Commerce and Industry**

- c) Atal Innovation Mission, NITI Aayog
- d) Both (b) and (c)
- e) **Both (a) and (b)**

**Explanation:** The summit was organised by the Federation of Indian Chambers of Commerce and Industry (FICCI) in partnership with the Ministry of Education and the Ministry of Commerce and Industry.

**Q.65 Which city topped and is marked as the most polluted cities in the world as per the latest report of the US Air Quality Index?**

- a) **Lahore**
- b) Kathmandu
- c) New Delhi
- d) Karachi
- e) None of these

**Explanation:** As per the latest report of the US Air Quality Index, Lahore is marked as the most polluted cities in the world. As per the report, the particulate matter (PM) rating of Lahore was 423.



**Q.66 In partnership with whom DRDO held the operational trial of SAHAYAK-NG?**

- a) Indian Coast Guard
- b) Indian Army
- c) **Indian Navy**
- d) Indian Air Force
- e) None of these

**Explanation:** The Defence Research and Development Organisation (DRDO) and the Indian Navy jointly conducted the successful maiden test trial of SAHAYAK-NG. The SAHAYAK-NG is India's first indigenously designed and developed Air Dropped Container from IL 38SD aircraft.

**Q.67 In which state will be 'Gender Park' established?**

- a) Haryana
- b) Tamil Nadu
- c) **Kerala**

- d) Andhra Pradesh
- e) None of these

**Explanation:** The Chief Minister of Kerala, Pinarayi Vijayan, will be inaugurating 'Gender Park' in Kozhikode, Kerala. The Government of Kerala is set to launch this three-tower Gender Park in February 2021.

**Q.68 Under which country's presidency was G20 Finance Ministers and Central Bank Governors (FMCBG) meeting held?**

- a) Canada
- b) Turkey
- c) Japan
- d) Italy**
- e) None of these

**Explanation:** The Union Finance and Corporate Affairs Minister Nirmala Sitharaman, participated in First G20 Finance Ministers and Central Bank Governors (FMCBG) meeting. The meeting was held under the Italian Presidency.

**Q.69 Who among the following is appointed as an ambassador for the 'BAFTA Breakthrough India 2020-21' initiative?**

- a) Aishwarya Rai Bachchan
- b) Mani Ratnam
- c) AR Rehman**
- d) Hema Malini
- e) None of these

**Explanation:** He is appointed as the Ambassador of the British Academy of Film and Television Arts (BAFTA)'s initiative called 'BAFTA Breakthrough India 2020-21'.

**Q.70 The Pune based Pimpri Chinchwad Municipal Corporation (PCMC) signed MoU with whom to co-create India's first Social Impact Bond (SIB)?**

- a) Infosys
- b) SERUM Institute of India
- c) UNICEF
- d) UNDP India**
- e) None of these

**Explanation:** The Pimpri Chinchwad Municipal Corporation (PCMC) has entered into MoU with UNDP (United Nations Development Programme) India.

**Q.71 Who among the following is appointed as President of the Asian Cricket Council?**

- a) Rama Mohan Rao Amara
- b) Nazmul Hussain
- c) Jay Shah**
- d) R S Sharma
- e) None of these

**Explanation:** He is appointed as President of the Asian Cricket Council. He has replaced Nazmul Hussain.

**Q.72 R. Vinay Kumar, announced his retirement from which of the following sports?**

- a) Hockey
- b) Table Tennis
- c) Badminton
- d) Cricket**
- e) None of these

**Explanation:** He has announced his retirement from all forms of cricket.

**Q.73 Which country is the biggest source of FDI in India as per DPIIT's data for April-September 2020?**

- a) Singapore**
- b) USA
- c) Mauritius
- d) Both a and b
- e) None of the above

**Explanation:** As per the data, Singapore has become the top source of FDI by investing Rs 62,084 crores (USD 8.30 billion). The second source of FDI is marked by the USA which has invested Rs 53,266 crores (USD 7.12 billion) in India.

**Q.74 Which organisation developed Quantum Random Number Generator (QRNG)?**

- a) DRDO-Naval Science and Technological Laboratory
- b) CSIR-Central Electronics Engineering Research Institute(CSIR-CEERI)
- c) DRDO's Young Scientist Laboratory for Quantum Technologies (DYSL-QT)**
- d) Both a and b
- e) None of the above

**Explanation:** The DRDO's Young Scientist Laboratory for Quantum Technologies (DYSL-QT) has developed the Quantum Random Number Generator (QRNG).

**Q.75 Which ministry organised the NCAVES India Forum 2021?**

- a) Ministry of Statistics and Programme Implementation**
- b) Ministry of Finance
- c) Ministry of Education
- d) Ministry of Health and Family Welfare
- e) None of these

**Explanation:** It was organised by the Ministry of Statistics and Programme Implementation. The NCAVES signifies Natural Capital Accounting and Valuation of Ecosystem Services.

**Q.76 ISRO launched PSLV-C51, which also carried Amazonia-1. The Amazonia-1 satellite belongs to which country?**

- a) Brazil**
- b) France
- c) Japan
- d) USA
- e) None of these



**Explanation:** The launching of C51 has marked the 53rd mission of PSLV. In the first move, the PSLV-C51 launched the Amazonia-1 satellite of Brazil and then followed by 18 co-passenger payloads which were launched from the first launch pad of the spaceport.

**Q.77 Who won the 2020 Bahrain Grand Prix?**

- a) Max Verstappen
- b) Lewis Hamilton**
- c) Alexander Albon
- d) Sebastian Vettel
- e) None of these

**Explanation:** He won the 2020 Bahrain Grand Prix. The second and third position is secured by Max Verstappen and Alexander Albon respectively.

**Q.78 Which ministry launched Global Pravasi Rishta Portal and mobile app?**

- a) Ministry of Information and Broadcasting
- b) Ministry of Law and Justice
- c) Ministry of Defence
- d) Ministry of External Affairs**
- e) None of these

**Explanation:** The Ministry of External Affairs, GOI launched the Global Pravasi Rishta Portal and mobile app. This portal and app will help to connect 3.12 crore Indians across the world.

**Q.79 Which ministry in collaboration with ASEAN launched the ASEAN-India Hackathon 2021?**

- a) Ministry of Education**
- b) Ministry of Finance and Corporate Affairs
- c) Ministry of External Affairs
- d) Ministry of Environment, Forest and Climate Change
- e) None of these

**Explanation:** The Association of Southeast Asian Nation (ASEAN) and the Ministry of Education launched the ASEAN-India Hackathon 2021. The inaugural session for the same was addressed by Union Education Minister Ramesh Pokhriyal Nishank.

**Q.80 Which organisation launched 'Activ Health Policy', which is India's first health insurance plan with up to 100% return on the premium?**

- a) Care Health Insurance
- b) Aditya Birla Health Insurance Company Limited**
- c) Max Bupa Health Insurance
- d) Universal Sompo General Insurance
- e) None of these

**Explanation:** It is launched by Aditya Birla Health Insurance Company Limited (ABHICL). It is the country's first health insurance plan with up to 100% return on premium.

**Q.81 Which state government signed MoU with the International Digital Health-Artificial Intelligence Research Collaborative (I-DAIR) to develop digital technologies in the health sector?**

- a) Kerala



- b) Uttar Pradesh
- c) Maharashtra
- d) Punjab**
- e) None of these

**Explanation:** The Government of Punjab signed MoU with the International Digital Health-Artificial Intelligence Research Collaborative (I-DAIR). They have signed MoU to develop digital technologies and infrastructures in the health sector.



**Q.82 Who among the following conferred with the Eminent Engineer Award for the Year 2020' by the Institution of Engineering and Technology?**

- a) V K Yadav**
- b) Piyush Goyal
- c) Dr G. Satheesh Reddy
- d) K. Sivan
- e) None of these

**Explanation:** He is conferred with the 'Eminent Engineer Award for the Year 2020' by the Institution of Engineering and Technology. He is Chairman and CEO of the Railway Board.

**Q.83 Who among the following is appointed as Acting Chief of Staff of NASA?**

- a) Rama Mohan Rao Amara
- b) Nazmul Hussain
- c) Henry Moniz
- d) Bhavya Lal**
- e) None of these

**Explanation:** She is appointed as Acting Chief of Staff of NASA.

**Q.84 What was the theme for Global-Bio India 2021?**

- a) Biotechnology going far beyond
- b) 'Biotechnology: Way to transform economy'
- c) Transforming Lives**

- d) 'Exploring Biotechnology'
- e) None of these

**Explanation:** The theme for Global-Bio India 2021 was 'Transforming Lives'.

**Q.85 Which country was invited as a special guest for the 19th Shanghai Cooperation Organization (SCO) Council of Heads of Government summit?**

- a) Uzbekistan
- b) Afghanistan
- c) Turkmenistan**
- d) Russia
- e) None of these

**Explanation:** The summit was participated by Prime Ministers of SCO member states and Ministers and representatives of Observer states and a special guest from Turkmenistan via video conference.

**Q.86 Which state/UT won Platinum Icon Awards under the category of Excellence in Digital Governance State /UT in Digital India Awards 2020?**

- a) Haryana**
- b) Delhi
- c) Maharashtra
- d) Andhra Pradesh
- e) None of these

**Explanation:** The 6th Digital India Awards for 2020 were conferred by the President of India, Ram Nath Kovind. He presented the awards through a virtual ceremony.

**Q.87 In which state Young Readers' Boat Library launched?**

- a) Maharashtra
- b) Kerala
- c) Goa
- d) West Bengal**
- e) None of these

**Explanation:** The Young Readers' Boat Library was launched by West Bengal Transport Corporation in Kolkata. It is launched in partnership with a heritage book store.

**Q.88 With which institute has the Ministry of Information and Broadcasting partnered to set up CoE in the Gaming sector?**

- a) IIT Kanpur
- b) IIT Kharagpur
- c) IIT Bombay**
- d) IIT Roorkee
- e) None of these

**Explanation:** The Ministry of Information and Broadcasting has collaborated with IIT Bombay. They have collaborated to set up a Centre of Excellence in gaming and allied areas.

**Q.89 Which university topped the QS Asia University Rankings 2021?**

- a) Tsinghua University
- b) Zhejiang University
- c) Nanyang Technological University
- d) National University of Singapore**
- e) None of these

**Explanation:** Quacquarelli Symonds (QS), which is the global higher education think-tank, has released QS Asia University Rankings 2021. The ranking list is topped by National University of Singapore (NUS) for the third consecutive year.

**Q.90 Who among the following is appointed as Chairman of SAIL?**

- a) Anil Kumar Chaudhary
- b) Suneet Sharma
- c) A K Sharma
- d) Soma Mondal**
- e) None of these

**Explanation:** She is appointed as Chairman of Steel Authority of India Limited (SAIL). She has replaced Anil Kumar Chaudhary.

## MANAGEMENT AND ETHICS

**Q.91 What is Communication?**

- a) It is the art of getting things done through people.
- b) It visualizes future problems and keeps management ready with possible solutions.
- c) The process of identifying, assessing, placing, developing and evaluating individuals at work.
- d) It is the transfer of information from a sender to a receiver, with the information being understood by the receiver.**
- e) None of these

**Explanation:** Option D is Staffing; Option A is Management; Option B is planning. So the answer is Option C.

**Q.92 According to the definition of Controlling given by Theo Hanimann, which one of the following is correct?**

- a) Checking whether progress is made towards the objective and correct them if any deviation**
- b) Confirming everything with the standards
- c) Maximization of Scarce resources
- d) Deciding the utilization of resources
- e) All of the above

**Explanation:** According to the definition of Controlling given by Theo Hanimann, Controlling refers to the process of checking whether progress is made towards the objective and correct them if any deviation is found.

**Q.93 If there is no \_\_\_\_\_ in the organization, chaos will arise that will lead to serious consequences?**

- a) Coordination**
- b) Cooperation
- c) Competition
- d) All of these

e) None of these

**Explanation:** Coordination refers to synchronizing the activities of an organization by the management towards a common objective and it ensures harmony in the various subsystems of the organization.

**Q.94 According to Milton Friedman's definition of corporate governance, which of the following is correct?**

- a) **Conducting business according to the interest of a shareholder while adhering to the basic rules of society**
- b) Management of a corporation
- c) Governing rules of a cooperative bank
- d) Shareholding of corporates and their share in the equity market
- e) Managing business to not make money but running it for humanity and overall development of society

**Explanation:** According to Milton Friedman "Corporate Governance is to conduct the business in accordance with owner or shareholders' desires, which generally will be to make as much money as possible while conforming to the basic rules of the society embodied in law and local customs".



**Q.95 What is Delegation?**

- a) **Delegation is basically sub-division and sub-allocation of powers to the subordinates in order to achieve effective results.**
- b) Delegation is the process of setting organisational goals and deciding how best to achieve them.
- c) Delegation refers to the relationship between people, work, and resources used to achieve common objectives.
- d) Delegation means setting standards, measuring actual performances and taking corrective action.
- e) None of these

**Explanation:** Delegation does not mean surrendering of authority by the superior or the competent authority. It only means transfer of certain responsibilities to subordinates and giving them the necessary authority which is necessary to discharge the responsibility properly. It is one of the core concepts of management leadership.

**Q.96 What is Management?**

- a) **Management is the science and art of getting people together to accomplish desired goals and objectives by coordinating and integrating all available resources efficiently and effectively.**

- b) Management is the process of setting organisational goals and deciding how best to achieve them.
- c) Management refers to the relationship between people, work, and resources used to achieve common objectives.
- d) Management means setting standards, measuring actual performances and taking corrective action.
- e) Management consists of the process and techniques utilized in issuing instructions and making certain that the operations are carried as originally planned.

**Explanation:** Management is the science and art of getting people together to accomplish desired goals and objectives by coordinating and integrating all available resources efficiently and effectively. It mainly is organisation and coordination of the various activities of a business in order to achieve defined objectives.

**Q.97 \_\_\_\_\_ is said to be a process in which the managers instruct, guide and oversee the performance of the workers to achieve predetermined goals.**

- a) **Directing**
- b) Supervision
- c) Controlling
- d) Leadership
- e) Staffing

**Explanation:** Directing is said to be a process in which the managers instruct, guide and oversee the performance of the workers to achieve predetermined goals. Directing is said to be the heart of the management process. Planning, organizing, staffing has got no importance if the direction function does not take place. Directing initiates action and it is from here actual work starts. The direction is said to be consisting of human factors.

**Q.98 What is the Hawthorne Studies Experiment?**

- a) **It is the intensive and systematic analysis of human behaviour in an organisation to increase their productivity for the fulfilment of organisational goals and to observe the factors that bring fluctuation in worker's productivity.**
- b) It is a function of management concerned with hiring, motivating people in an organisation.
- c) It is the process of planning, directing, monitoring, organizing, and controlling the monetary resources of an organization.
- d) It is the systematic study of the relationships between people and tasks for the purpose of redesigning the work process to increase efficiency.
- e) None of these

**Explanation:** The Hawthorne studies were mainly conducted in order to find out the role of human resource in increasing the production of an organisation. It is the intensive and systematic analysis of human behaviour in an organisation to increase their productivity for the fulfilment of organisational goals and to observe the factors that bring fluctuation in worker's productivity.

**Q.99 Which of the following is not true about HRD?**

- a) HRD stands for Human Resource and Development
- b) HRD is the same as HRM (Human Resource Management), it is just the difference of nomenclature.
- c) HRD is concerned with the training and development of employees
- d) **L&T was the first company in India to have an HRD Department**
- e) Dr T.V. Rao is known as the father of HRD in India

**Explanation:** HRD is a branch of HRM, they are not the same.

**Q.100** \_\_\_\_\_ refers to the individuals or personnel or workforce within an organisation responsible for performing the tasks given to them for the purpose of achievement of goals and objectives of the organisation.

- a) Training
- b) Orientation
- c) Staffing
- d) Human Resource**
- e) Directing

**Explanation:** Human resource is the most appropriate. Human resource is the individuals or personnel or workforce within an organisation responsible for performing the tasks given to them for the purpose of achievement of goals and objectives of the organisation which is possible only through proper recruitment and selection, providing proper orientation and induction, training, skill developments, proper assessment of employees (performance appraisal), providing appropriate compensation and benefits, maintaining proper labour relations and ultimately maintaining safety, welfare and health concern of employees, which is the process of the human resource management.

**Q.101** Which of the following forms part of leadership goals?

- a) Setting the vision of the company.
- b) Motivating the employees to perform better.
- c) Enhancing employee behaviour and boosting their morale.
- d) Leading the employees to achieve a common goal.
- e) All of the above**

**Explanation:** Leadership means leading the people by making use of their talent for achieving a common vision/goal of the company. It includes boosting the morale of the employees and leveraging their talent and skills to the fullest.

**Q.102** Which of the following is not a part of the incentive?

- a) Job Security
- b) Assured Benefits**
- c) Promotional Allowances
- d) Performance Linked Pay
- e) Job Enrichment

**Explanation:** Assured benefits are fixed pay components that do not vary and are equal for employees, hence it is not a reward.

**Q.103** According to W. G. Scot, Motivation is \_\_\_\_\_?

- a) encouraging people to take more initiative and interest in the work assigned.
- b) the psychological and sociological concept as it relates to human behaviour and human relations.
- c) a process of stimulating people to action to accomplish the desired goals.**
- d) is inspiring and encouraging people to work more and contribute to achieving the objectives of the company.
- e) None of these

**Explanation:** According to W. G. Scot, "Motivation means a process of stimulating people to action to accomplish the desired goals."



Q.104 Organising is \_\_\_\_?

- a) The ability of a manager to induce subordinates (followers) to work with confidence and zeal.
- b) Selecting missions and objectives and the actions to achieve them; requires decision making, which is choosing from among alternative future courses of action.
- c) **Function in which the synchronization and combination of human, physical and financial resources take place.**
- d) The transfer of information from a sender to a receiver, with the information being understood by the receiver.
- e) None of these

**Explanation:** Option A is Leadership, Option B is planning and Option D is Communication.



Q.105 Which of the following statement is incorrect regarding the definition of Planning?

- a) It is the process of deciding in advance regarding future activities.
- b) It is the process of matching the current situation and the target situation.
- c) **It is concerned only with when and who will do the work.**
- d) It is required to achieve the objectives of an organization.
- e) It provides a sense of direction to various activities.

**Explanation:** It is a systematic activity that determines when, how, and who is going to perform a specific job.

Q.106 What is the sequence of one of the two Six Sigma Methodologies used in business transformation?

- a) Analyze, Measure, Improve, Control, Define
- b) **Define, Measure, Analyse, Improve, Control**
- c) Analyze, Measure, Control, Define, Improve
- d) Improve, Define, Measure, Control, Analyse
- e) Define, Measure, Improve, Analyse, Control

**Explanation:** Six Sigma is a method to detect errors or defects which uses a data-driven approach. It follows the following steps:

1. Define the faulty process/problem.
2. Measure the original performance.

3. Analyze the process and searching for plausible reasons for failure.
4. Improving the system.
5. Controlling the entire process so that the same errors are not repeated.

**Q.107 What is the correct statement with regard to Scientific Management?**

- a) It is a function of management concerned with hiring, motivating people in an organisation.
- b) It is a process of planning and executing the conception, pricing, promotion, and distribution of goods, ideas and services to create exchanges that satisfy individual and organisational objectives.
- c) It is the process of planning, directing, monitoring, organizing, and controlling the monetary resources of an organization.
- d) It is the systematic study of the relationships between people and tasks for the purpose of redesigning the work process to increase efficiency.**
- e) None of These

**Explanation:** Scientific Management is a theory of management that analyzes and synthesizes workflows. Its main objective is improving economic efficiency, especially labour productivity.

**Q.108 Which of the following is does not include in the process?**

- a) Promotion and Transfer
- b) Manpower Planning
- c) Training and Development
- d) Job satisfaction**
- e) None of these

**Explanation:** The various steps involved in the process of staffing are as follows.

- a) Manpower Planning
- b) Job Analysis
- c) Recruitment
- d) Selection
- e) Placement
- f) Induction
- g) Training and Development
- h) Performance Appraisal
- i) Compensation
- j) Promotion and Transfer.

So Job satisfaction is not the part of Staffing process.

**Q.109 Which of the following is the definition of Communication given by “Koontz and Weihrich”?**

- a) “Communication is the transfer of information from a sender to a receiver, with the information being understood by the receiver”.**
- b) “Communication is transfer of information from one person to another, whether or not it elicits confidence. But the information transferred must be understandable to the receiver
- c) “Communication is to share, impart, participate, exchange and transmit or to make common. It emphasises on sharing common information, ideas and messages and is not merely issuing orders and instructions.
- d) “Communication is a two-way process of understanding between two or more persons – sender and receiver. A person cannot communicate with himself.”
- e) None of these



**Explanation:** Option A definition is given by- Koontz and Weihrich, Option B definition is given by – G.G. Brown, Option C and Option D is not a definition and is just the meaning of communication.

**Q.110 Which of the following is not a function of Controlling in management?**

- a) Dynamic Process
- b) End Function
- c) Forward-looking
- d) Pervasive Function
- e) **None of These**

**Explanation:** Controlling is an end function, pervasive in nature, is a continuous dynamic process and is forward-looking function.

**Q.111 Which of the following is a voluntary activity on behalf of the team members?**

- a) Coordination
- b) Competition
- c) Co-operation
- d) Collaboration
- e) All of these

**Explanation:** Cooperation is an act of working together and is a voluntary activity on behalf of the team members as opposed to coordination which is a management process.

**Q.112 As per the Basel committee framework, which of the following is not a governance principle of corporate governance for the banking sector?**

- a) Guidance of the board of directors on effective risk management of the company
- b) Guidance on risk governance
- c) Compensation and incentive structure forms an intrinsic part of the company's governance
- d) All of the above
- e) **None of the above**

**Explanation:** All are part of the Basel committee framework.

**Q.113 What are the benefits of Delegation?**

- a) Delegation leads to better decision making.
- b) Delegation increases productivity and efficiency within the organisation.
- c) Delegation reduces stress among the managers/ supervisors.
- d) **All of these**
- e) None of these

**Explanation:** Effective Delegation can benefit the manager, the employee and the organisation. The most important benefit of the delegation of work is that it improves the quality of work, improves communication among various departments within the same organisation and it stimulates creativity and develops skills among the employees.

**Q.114 What are the functions of Management?**

- a) Planning
- b) Organising
- c) Directing

- d) Controlling
- e) All of these

**Explanation:**

**A. Planning-** is the process of setting organisational goals and deciding how best to achieve them.

**B. Organising-** refers to the relationship between people, work, and resources used to achieve common objectives.

**C. Directing-** consists of the process and techniques utilized in issuing instructions and making certain that the operations are carried as originally planned.

**D. Controlling-** means setting standards, measuring actual performances and taking corrective action.



**Q.115 Which of the following is NOT the part of elements of Directing?**

- a) Supervision
- b) **Co-Ordination**
- c) Leadership
- d) Motivation
- e) Communication

**Explanation:** Co-ordination is not the part of directing function as it does not include coordination of the activities. It involves supervision of work by subordinates, motivating and stimulating the employees to work, leading or guiding the employees to work in the desired manner and lastly, communicating with them to pass to information, opinion etc.

**Q.116 Which two researchers conducted the Hawthorne Studies Experiment?**

- a) Elton Mayo and Taylor
- b) McGregor and Roethlisberger
- c) **Elton Mayo and Roethlisberger**
- d) F.W Taylor and Maslow
- e) None of these

**Explanation:** Elton Mayo and Roethlisberger were the two researchers who conducted the Hawthorne Studies Experiment. Elton Mayo was the first researcher who first developed the human relations approach.

F.W Taylor is known as the father of Scientific Management.

Maslow and McGregor also, later on, contributed to the development of the human relations approach.

**Q.117 Which of the following is not a goal of HRD?**

- a) **Recruiting the best brains for the organization.**
- b) Improving the performance of an employee.
- c) Optimizing the employee's availability
- d) Maintaining a healthy relationship between employees and supervisors
- e) Improving the skill set of an employee

**Explanation:** Recruiting is not a function of HRD.

**Q.118 Which of the following is NOT the part of Human resource?**

- a) Recruiting and Staffing
- b) Labour and Employee relations
- c) Training and Learning
- d) **Leading and Motivating**
- e) Compensation & Benefits

**Explanation:** Leading the employees and motivating them is part of Directing and leadership and not Human Resources. The human resource includes recruiting & staffing the candidates, maintaining the labour and employee relations, training them and creating a learning environment for them and also providing them compensation and other benefits that are required.

**Q.119 Which of the following characteristics form a part of the personality of a leader?**

- 1. Maturity
  - 2. Business Acumen
  - 3. Intelligence
  - 4. Charisma
  - 5. Loner
- a) 1, 2, and 3
  - b) 1, 2, and 4
  - c) **1, 2, 3 and 4**
  - d) 1, 2, 3, and 5
  - e) All of the above

**Explanation:** A good leader has a charismatic personality, maturity, business acumen, and is intelligent.

**Q.120 Which of the following is not a scenario for the need for incentive?**

- a) **Regular Work**
- b) Achievement Recognition
- c) Enhance Employee Commitment
- d) Psychological Satisfaction of an employee
- e) Outstanding Performance

**Explanation:** Regular work is the deemed duty for an employee for which no incentive is required.

**Q.121 Which of the following is NOT true about motivation?**

- a) Motivation is a psychological process
- b) Motivation is a goal-oriented and action-oriented process
- c) Motivation is a continuous and circular process
- d) Motivation is the ability to find places or to know which direction to go**
- e) None of these

**Explanation:** Directing is the ability to find places or to know which direction to go. Motivation is a psychological, goal-oriented & action-oriented and continuous process. So, D is not true about motivation.

**Q.122 According to "Theo Haimann", what is Organising?**

- a) "The process of defining and grouping the activities of the enterprise and establishing the authority relationships among them."**
- b) "The process of identifying and grouping the work to be performed, defining and delegating responsibility and authority and establishing relationships for the purpose of enabling people to work most effectively together in accomplishing objectives."
- c) "The ability of a manager to induce subordinates (followers) to work with confidence and zeal".
- d) "The process of stimulating people to action to accomplish the desired goals."
- e) None of these

**Explanation:** Option C is 'Leadership', Option D is 'Motivation' and Option B is 'Organising' by Louis Allen. So the answer is Option A.

**Q.123 Which of the following is not a characteristic of Planning?**

- a) Designed for Efficiency
- b) Flexibility
- c) Intellectual and Continuous Process
- d) Involves Choice and Decision Making
- e) Looking towards the past and the future**

**Explanation:** Planning is Looking Ahead, in the future.

**Q.124 Six Sigma is a robust and widely used business management strategy used in many industries for the purpose of\_\_\_\_\_.**

- a) Decreasing customer satisfaction
- b) Removing the defects and errors in a business**
- c) Increasing motivation among the employees
- d) Increasing process variability
- e) Used for Job valuation and Appraisal

**Explanation:** Six Sigma is a quality control methodology used for removing defects and errors from any process.

**Q.125 Who is known as the 'Father of Scientific Management'?**

- a) F.W Taylor**
- b) Henry Fayol
- c) Henry Gantt
- d) Frank Bunker Gilberth
- e) None of These

**Explanation:**

- a. Scientific Management is also known as Taylorism after its founder Frederick Winslow Taylor.
- b. Henry Gantt is also a follower of Scientific Management. He emphasised the importance of time and cost in planning and controlling work.
- c. Frank Bunker Gilberth is also one of the followers of Scientific Management. He looked at the problems of workers from the social and psychological point of view.



**Q.126 Which of the following is not the external source of Recruitment?**

- a) Educational Institutions
- b) Unsolicited Application
- c) Promotions**
- d) Referrals
- e) None of these

**Explanation:** Managers may promote and transfer some of the existing employees to fill the vacant positions rather than hiring from outside is Internal recruitment whereas in an external source of recruitment is all vacancies cannot be filled up from within the organisation. Existing employees may lack the required skill, initiative and qualification needed for the jobs involved. Hence managers have to recruit some persons from outside the organisation. Thus, Promotions are not an external source of recruitment.

**Q.127 What is meant by the phrase 'teleological ethics'?**

- a) Is used to judge is action is right, fair and honest.
- b) An action can only be judged by its consequences.**
- c) Developing individual personal characteristics.
- d) The key purpose of ethics is to increase freedom.
- e) None of these

**Explanation:** Teleological ethics, (teleological from Greek telos, "end"; logos, "science"), the theory of morality that derives duty or moral obligation from what is good or desirable as an end to be achieved.

**Q.128 Which of the following form a part of Top Level Management?**

- a) CEO, Board of Directors and President
- b) CEO, department managers, and supervisors
- c) Foreman, section leads and team leaders
- d) Department managers, supervisors, and President
- e) All of the above

**Explanation:** The top-level managers consist of the board of directors, CEO, President and vice-president of any organization who are responsible for overseeing and controlling the entire company.

**Q.129 Who is an Independent Director in a company?**

- a) The director who does not draw a salary from the company
- b) The director who is formed from one of the key members of the company
- c) **The director who only has a directorship in the company and does not have any other relation with the company**
- d) The director who does not have any role in the directorship of the company
- e) None of the above

**Explanation:** An independent director is a non-executive director of the company who does not have any relationship with the company and helps in the improvement of the governance standards and credibility of the company as per the Companies Act, 2013.

**Q.130 What is/ are the importance of the development of Management Thoughts?**

- a) It increases the efficiency of workers/ employees in an organisation.
- b) It helps in making good relations between the employees and the employer.
- c) It helps in better decision making for achieving organisational goals.
- d) It helps in coordination among the workers/ employees for the fulfilment of organisational goals.
- e) **All of these**

**Explanation:** Development of management thought is basically the theory of management. It is an evolutionary concept. New theories and principles were suggested along with new development in the business field. The importance of the development of Management Thoughts are-

- a. It increases the efficiency of workers/ employees in an organisation.
- b. It helps in making good relations between the employees and the employer.
- c. It helps in better decision making for achieving organisational goals.
- d. It helps in coordination among the workers/ employees for the fulfilment of organisational goals.

**Q.131 Which of the following is not true regarding Potential Appraisal?**

- a) It is a forward-looking process
- b) It evaluates the potential of an employee for a future job
- c) **It impacts the promotion and increment of the employee**
- d) Measures the existing skills of the employees
- e) It is a measure of how good an employee will perform in future

**Explanation:** Potential Appraisal has no impact on salary/promotion.

**Q.132 Which of the following is a function of a leader?**



- a) Shaping the behaviour and morale of his team towards the target of the team.
- b) Taking well-informed and quick decisions on behalf of the team.
- c) Maintains consistency by actively participating in information exchange.
- d) Helps in building the image of the team by adopting an ethical business approach.
- e) All of the above**

**Explanation:** A good and effective leader helps in building his/her team by shaping the behaviour of the team, building the image of the team, boosting the morale of the members, and taking quick well-informed decisions for the upliftment of the entire team/company.

**Q.133 Which of the following is not an objective of performance appraisal?**

- a) Acts as a Factor of Motivation
- b) Determines the training required for the employee
- c) Highlights strong and weak areas of employee
- d) Decide the next assignment for the employee**
- e) Determines the promotion and increment.

**Explanation:** Performance Appraisal is used to evaluate the employee's performance on the last job.

**Q.134 Which of the following statement is not correct regarding the steps followed in Performance Appraisal?**

- I. The company determines the performance standards for an employee
  - II. The performance standard is kept confidential based on which evaluation is done
  - III. The actual performance of the employee is measured and compared with the set standards
  - IV. The HR department decides on the appraisal and penalizes the employee that do not meet the standards
  - V. The result Performance Appraisal is not communicated to the employee, only the required additions are made in his increments
- a) I, II and V
  - b) II, III and IV
  - c) II, IV, and V**
  - d) I, II and III
  - e) Only IV and V

**Explanation:** The performance appraisal is communicated to employees, there is no penalization is an appraisal by the HR department and the employee is well informed regarding his appraisal.

**Q.135 Which of the following options shows the correct chronological order of steps in Potential appraisal?**

- I. Quality Indicators
- II. Role Description
- III. Qualities required
- IV. Feedback
- V. System Organization

- a) I, II, V, III and IV
- b) II, III, I, IV and V
- c) III, I, II, V and IV
- d) II, III, I, V and IV**
- e) II, I, III, IV, and V

**Explanation:** Role Description - Qualities required - Quality Indicators - System Organization- Feedback

## **AGRICULTURE, AGRICULTURE ECONOMY AND COMPUTER AWARENESS**

**Q.136 The share of agriculture and allied sectors in Gross Value Added (GVA) of the country at current prices is what per cent for the year 2019-20?**

- a) 18.0
- b) 18.2
- c) 17.3
- d) 17.8**
- e) None

**Explanation:** As per the provisional estimates of national income released by CSO on 29th May 2020, the share of agriculture and allied sectors in Gross Value Added (GVA) of the country at current prices is 17.8 per cent for the year 2019-20.

The contribution of the agricultural sector in the Gross Value Added (GVA) is estimated to be 19.9% in FY 2020-21.

**Q.137 Global merchandise trade is expected to contract by what per cent in 2020?**

- a) 3.4%
- b) 7.7%
- c) 8.8%
- d) 9.2%**
- e) 9.6%

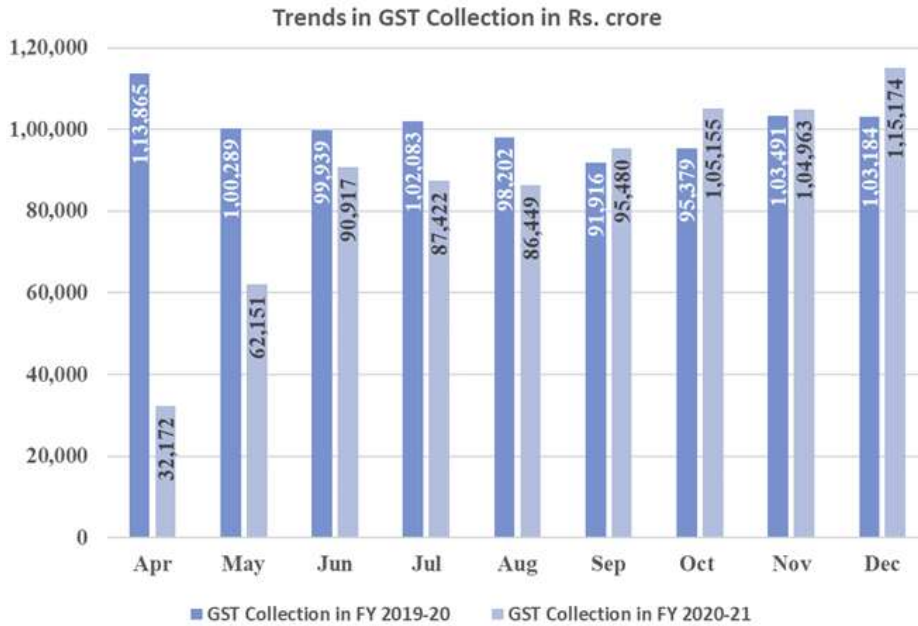
**Explanation:** COVID-19 pandemic has triggered the worst global recession in 2020 since the Great Depression. The resulting economic crisis has led to a sharp decline in global trade. According to the Economic Survey'21 global merchandise trade is expected to contract by 9.2 per cent in 2020.

**Q.138 The GST revenues during December 2020 have been the highest since the introduction of GST and it is the first time that it has crossed:**

- a) Rs. 1 lakh crore
- b) Rs. 1.15 lakh crore**
- c) Rs. 1.25 lakh crore
- d) Rs. 1.50 lakh crore
- e) None

**Explanation:** The gross GST revenue collected in the month of December 2020 is Rs. 1,15,174 crore. The GST revenues during December 2020 have been the highest since the introduction of GST and it is the first time that it has crossed Rs. 1.15 lakh crore. The highest GST collection till now was Rs. 1,13,866 crore in the month of April 2019.





**Q.139** As per the latest estimates on Gross Value Added (GVA), the industrial sector is expected to record a growth of what per cent in 2020-21?

- a) 3.4%
- b) -3.4%
- c) 9.9%
- d) -9.6%**
- e) None



**Explanation:** According to the 1st Advance Estimates of the Survey, the industrial sector is expected to record a growth of -9.6 per cent in 2020-21.

The overall contribution of the Industrial Sector in GVA will be 25.8 per cent in 2020-21.

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**Q.140** Consider the following about the latest Policy Rates:

I. Policy Repo Rate	4.00%
II. Reverse Repo Rate	3.35%
III. Marginal Standing Facility Rate	4.25%
IV. Bank Rate	4.25%

Which of the following is correct?

- a) I, II only
- b) III, IV only
- c) I, II, III only
- d) II, III, IV only
- e) **I, II, III, IV**

**Explanation:** As per the latest RBI Monetary Policy announcements (5th Feb 2021)-

<b>Policy Repo Rate:</b>	4.00%
<b>Reverse Repo Rate:</b>	3.35%
<b>Marginal Standing Facility Rate:</b>	4.25%
<b>Bank Rate:</b>	4.25%
<b>CRR:</b>	3%
<b>SLR:</b>	18.00%

**Q.141 Which of the following is more likely to cause Demand-Pull Inflation in an economy?**

- a) Profit push by a firm
- b) Low Unemployment Rate**
- c) Increase in prices of crude oil
- d) Both (A) & (B)
- e) Both (B) & (C)

**Explanation:** Demand-Pull Inflation is when demand surpasses supply, which results in rising in prices.

A low Unemployment Rate implies that almost everyone is employed and thus, has purchasing power. This results in rising in demand and can cause a Demand-Pull Inflation.

Low Tax Rates and other expansionary fiscal policies are also the reason behind Demand-Pull Inflation.

There exists a situation in an economy where inflation is fuelled up, not because of an increase in Aggregate Demand but mainly due to an increase in the cost of producing goods and services. This is termed as Cost-Push Inflation.

Profit push by a firm and Increase in prices of crude oil (factor of production) results in Cost-Push Inflation.

**Q.142 According to the estimates, in the FY-2020, the services sector will contract by?**

- a) 3.4%
- b) 8.8%

- c) 11.4%
- d) 17.8%
- e) None

**Explanation:**



**Q.143 According to Human Development Report 2020, what is India's rank in Human Development Index (HDI) in 2019?**

- a) 100
- b) 63
- c) 129
- d) **131**
- e) 41

**Explanation:** India's rank in Human Development Index (HDI) was **131 in 2019**, compared to **129 in 2018**, out of a total of 189 countries according to the **UNDP Human Development Report, 2020**.

**Parameters:**

Life expectancy at birth - **69.7** (improved from 69.4 in 2018)

Expected years of schooling - **12.2** (remained same)

Mean years of schooling - **6.5** (remained same)

Gross National Income (GNI) Per Capita - **USD 6,681** (increased from USD 6,427 in 2018)

**Q.144 Which of the following is/are some Fiscal Policy Measures adopted in India to Combat the COVID-19 pandemic?**

- I. Emergency Credit Line Guarantee Scheme (ECLGS) for MSMEs
- II. Interest Subvention for MUDRA Shishu Loans
- III. Pradhan Mantri Garib Kalyan Yojana - Financial Assistance and Food Security

IV. Targeted Long Term Repo Operations (TLTROs) of up to three years

Which of the following is correct?

- a) I, II only
- b) III, IV only
- c) I, II, III only**
- d) II, III, IV only
- e) I, II, III, IV

**Explanation:** Fiscal Policy Measures is the means by which a government adjusts its spending levels and tax rates to monitor and influence a nation's economy. I, II & III are examples of Fiscal Policy Measures adopted in India to Combat the COVID-19 pandemic.

Monetary Policy Measures refer to the actions undertaken by a nation's central bank (in India - RBI) to control the money supply and achieve sustainable economic growth. IV is an example of Monetary Policy Measures.

**Q.145 'World Solar Bank' and 'One Sun One World One Grid Initiative' were recently launched under?**

- a) International Solar Alliance**
- b) Jawaharlal Nehru National Solar Mission
- c) National Mission for a Green India
- d) National Mission on Sustainable Habitat
- e) None

**Explanation:** International Solar Alliance is an Indian initiative that was launched by the Prime Minister of India and the President of France on 30th November 2015 in Paris, France on the side-lines of the Conference of the Parties (COP-21), with 121 solar resource-rich countries lying fully or partially between the tropic of Cancer and tropic of Capricorn as prospective members.

The proposed World Solar Bank would cater to the need for a dedicated financing window for solar energy projects across the members of ISA.

The One Sun One World One Grid vision was laid down by the Prime Minister of India at the first assembly of the ISA. The initiative aims to create an interconnected green grid that will enable solar energy generation in regions with high potential and facilitate its evacuation to demand centres.

The Third Assembly of the International Solar Alliance was recently held. India has been re-elected as the President of the International Solar Alliance (ISA) and France as the Co-President for a term of two years.

ISA organized the First World Solar Technology Summit (WSTS) in September 2020 with the objective of showcasing to member countries the state of the art and next-generation solar technologies.

**Q.146 As per Union Budget 2021, what is the budgetary allocation for the Covid-19 vaccination?**

- a) Rs.30,000 crore
- b) Rs.35,000 crore**
- c) Rs.40,000 crore
- d) Rs.37,000 crore
- e) Rs. 42,000 crore

**Explanation:**

- **Rs. 35,000 crores for COVID-19 vaccine** in BE 2021-22.

- The **Made-in-India Pneumococcal Vaccine** to be rolled out across the country, from present 5 states – to avert **50,000 child deaths annually**.

**Q.147 As per the Union Budget 2021, what is the outlay for Health and Wellbeing in BE2021-22?**

- a) Rs. 2,24,000 crore
- b) Rs. 2,25,000 crore
- c) Rs. 2,23,846 crore**
- d) Rs. 2,22,700 crore
- e) Rs. 2,26,752 crore

**Explanation:**

- **Rs. 2,23,846 crore** outlay for Health and Wellbeing in BE 2021-22 as against **Rs. 94,452 crore** in BE 2020-21 – **an increase of 137%**.
- Focus on strengthening three areas: **Preventive, Curative, and Wellbeing**.

**Q.148 As per the Union Budget 2021, what is the outlay for PM AatmaNirbhar Swasth Bharat Yojana?**

- a) Rs. 60,000 crore
- b) Rs. 64,000 crore
- c) Rs. 64,180 crore**
- d) Rs. 64,500 crore
- e) Rs. 64,250 crore

**Explanation:** Rs. 64,180 crore outlay over 6 years for PM AatmaNirbhar Swasth Bharat Yojana – a new centrally sponsored scheme to be launched, in addition to NHM

Main interventions under PM AatmaNirbhar Swasth Bharat Yojana:

- National Institution for One Health
- 17,788 rural and 11,024 urban Health and Wellness Centers
- 4 regional National Institutes for Virology
- 15 Health Emergency Operation Centers and 2 mobile hospitals
- Integrated public health labs in all districts and 3382 block public health units in 11 states
- Critical care hospital blocks in 602 districts and 12 central institutions
- Strengthening of the National Centre for Disease Control (NCDC), its 5 regional branches and 20 metropolitan health surveillance units
- Expansion of the Integrated Health Information Portal to all States/UTs to connect all public health labs
- 17 new Public Health Units and strengthening of 33 existing Public Health Units
- Regional Research Platform for the WHO South-East Asia Region
- 9 Bio-Safety Level III laboratories

**Q.149 As per the Union Budget 2021, what is the budgetary allocation for Jal Jeevan Mission (Urban)?**

- a) Rs. 2,85,000 crore
- b) Rs. 2,87,000 crore**
- c) Rs. 2,78,000 crore
- d) Rs. 2,93,000 crore
- e) Rs. 2,81,000 crore

**Explanation:** Rs. 2,87,000 crore over 5 years for Jal Jeevan Mission (Urban) - to be launched with an aim to provide:

- 2.86 crore household tap connections
- Universal water supply in all 4,378 Urban Local Bodies
- Liquid waste management in 500 AMRUT cities



**Q.150** As per the Union Budget 2021, what is the budgetary allocation for Urban Swachh Bharat Mission 2.0?

- a) Rs. 1,42,000 crore
- b) Rs. 1,43,500 crore
- c) Rs. 1,41,678 crore**
- d) Rs. 1,40,000 crore
- e) Rs. 1,41,300 crore

**Explanation:** Rs. 1,41,678 crore over 5 years for Urban Swachh Bharat Mission 2.0. Main interventions under Swachh Bharat Mission (Urban) 2.0:

- Complete **faecal sludge management and wastewater treatment**
- **Source segregation** of garbage
- **Reduction in single-use plastic**
- **Reduction in air pollution** by effectively managing waste from construction-and-demolition activities
- **Bio-remediation** of all legacy dump sites.

**Q.151** As per the Union Budget 2021, after how much time the fitness test of the vehicle in case of a personal vehicle is mandatory to be conducted under the scrapping policy?

- a) After 5 years
- b) After 10 years
- c) After 15 years
- d) After 20 years**
- e) After 25 years

**Explanation:** Voluntary vehicle scrapping policy to phase out old and unfit vehicles



Fitness tests in automated fitness centres:

- **After 20 years** in the case of **personal vehicles**
- **After 15 years** in the case of **commercial vehicles**

**Q.152** As per the Union Budget 2021, after how much time the fitness test of a vehicle in case of a commercial vehicle is mandatory to be conducted under the scrapping policy?

- a) After 5 years
- b) After 10 years
- c) After 15 years**
- d) After 20 years
- e) After 25 years

**Explanation:** Voluntary vehicle scrapping policy to phase out old and unfit vehicles

Fitness tests in automated fitness centres:

- **After 20 years** in the case of **personal vehicles**
- **After 15 years** in the case of **commercial vehicles**

**Q.153** As per the Union Budget 2021, what is the budgetary allocation for the Production Linked Incentive scheme (PLI)?

- a) Rs. 1.87 lakh crore
- b) Rs. 1.95 lakh crore
- c) Rs. 1.97 lakh crore**
- d) Rs. 1.85 lakh crore
- e) Rs. 1.90 lakh crore



**Explanation:**

- **Rs. 1.97 lakh crore** in the next 5 years for PLI schemes in **13 Sectors**
- To create and nurture **manufacturing global champions** for an **AatmaNirbhar Bharat**
- To help manufacturing companies become an integral part of **global supply chains**, possess core competence and **cutting-edge technology**
- To bring **scale and size** in key sectors
- To provide **jobs to the youth**

**Q.154** As per the Union Budget 2021, what is the budgetary allocation for setting up and capitalizing a Development Financial Institution(DFI)?

- a) Rs. 10,000 crore
- b) Rs. 15,000 crore
- c) Rs. 20,000 crore**
- d) Rs. 25,000 crore
- e) Rs. 30,000 crore

**Explanation:**

- **Rs. 20,000 crore** to set up and capitalise a **Development Financial Institution(DFI)** – to act as a provider, enabler and catalyst for infrastructure financing
- **Rs. 5 lakh crore** lending portfolio to be created under the proposed DFI in 3 years

- **Debt Financing** by Foreign Portfolio Investors to be enabled by amending InvITs' and REITs' legislations.

**Q.155 The Pradhan Mantri Fasal Bima Yojana was launched in which year?**

- a) 2014
- b) 2015
- c) 2016**
- d) 2017
- e) None of these

**Explanation:** The Union Cabinet approved the PM Fasal Bima Yojana scheme (PMFBY) on the 13th of January in 2016 and the scheme was launched in February 2016. The Centre is implementing PMFBY to provide financial support to farmers suffering crop loss or damage arising out of unforeseen events.

**Q.156 Which state government has launched the Mukhyamantri Krishak Durghatna Kalyan Yojana recently in the state?**

- a) Maharashtra
- b) Madhya Pradesh
- c) Uttar Pradesh**
- d) Tamil Nadu
- e) None of these

**Explanation:** Uttar Pradesh Government has launched Mukhyamantri Krishak Durghatna Kalyan Yojana on 21st January 2020 in the state. The Mukhyamantri Krishak Durghatna Kalyan Yojana will provide financial assistance to the family of farmers who die or become handicapped while working in fields.

**Q.157 The Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan (PM KUSUM) scheme was launched on 22nd July 2019 under which Ministry?**

- a) Ministry of Environment, Forest and Climate Change
- b) Ministry of New and Renewable Energy**
- c) Ministry of Agriculture & Farmers Welfare
- d) Ministry of Rural Development
- e) None of these

**Explanation:** The Finance Ministry said that through Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan (PM KUSUM) scheme, the farmers will be empowered to be the producer of energy. The Scheme has a substantial environmental impact in terms of savings of CO2 emissions. The Government has targeted to install 175 Giga Watt renewable energy by 2022.

**Q.158 The central sector scheme "Formation and Promotion of Farmer Producer Organizations (FPOs) "is launched to form and promote \_\_\_\_\_ new FPOs in five years period from 2019-20 to 2023-24?**

- a) 5,000
- b) 10,000**
- c) 50,000
- d) 1,00,000
- e) None of these

**Explanation:** The Cabinet Committee on Economic Affairs (CCEA), chaired by Prime Minister Narendra Modi, has given its approval on 19th Feb 2020 for "Formation and Promotion of Farmer Producer Organizations (FPOs) "to



form and promote 10,000 new FPOs. The central sector scheme "Formation and Promotion of FPOs" shall promote 10,000 new FPOs in five years period from 2019-20 to 2023-24.

**Q.159 What is the total outlay of the scheme Pradhan Mantri Kisan Sampada Yojana?**

- a) 15,000 crore
- b) 10,000 crore
- c) 6,000 crore**
- d) 4,000 crore
- e) None of these

**Explanation:** The Inter-Ministerial Approval Committee (IMAC) has sanctioned a total of 32 projects under the 'Unit' scheme of Pradhan Mantri Kisan Sampada Yojana (PMKSY) on 27th February 2020. The Ministry of Food Processing Industries is implementing the PMKSY scheme for a period from 2016-20 with a total outlay of Rs 6,000 crore.

**Q.160 The Finance Minister has announced Rs \_\_\_\_\_ crore relief fund under the "Prime Minister Gareeb Kalyan Scheme"?**

- a) 1.5 lakh
- b) 1.7 lakh**
- c) 2.5 lakh
- d) 2.7 lakh
- e) None of these

**Explanation:** Finance Minister Nirmala Sitharaman has announced Rs 1.7 lakh crore relief fund under the "Prime Minister Gareeb Kalyan Scheme" on 26th March 2020. The "Prime Minister Gareeb Kalyan Scheme" with a total outlay of Rs 1.70 lakh crore will benefit the poor especially migrant workers and rural and urban poor people.

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**Q.161 The ability of an OS to run more than one application at a time is called.**

- a) Multitasking**
- b) Object-Oriented Programming
- c) Multi-use Computing
- d) Time-sharing
- e) None of these

**Explanation:** The ability to execute more than one task at the same time is called multitasking. An instance of a program in execution is called a process or a task.

**Q.162 You can use the \_\_\_\_\_ bar to type URL and display a Web page or type a keyword to display a list of related Web pages.**

- a) Menu
- b) Title
- c) Search
- d) Web
- e) Address**

**Explanation:** The address bar (also location bar or URL bar) is a graphical control element that shows the current URL.

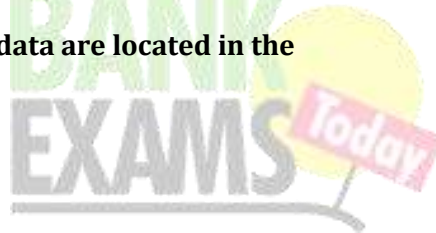
**Q.163 Which part interprets program instructions and initiate control operations?**

- a) Input
- b) Storage unit
- c) Logic unit
- d) Control unit**
- e) None of the above

**Explanation:** Control unit interprets program instructions and initiate control operations.

**Q.164 The components that process data are located in the**

- a) Input devices
- b) Output devices
- c) System unit**
- d) Storage component
- e) None of these



**Explanation:** The system unit, also known as a "tower" or "chassis," is the main part of a desktop computer. It includes the motherboard, CPU, RAM, and other components.

**Q.165 \_\_\_\_\_ cells involve creating a single cell by combining two or more selected cells.**

- a) Formatting
- b) Merging**
- c) Embedding
- d) Splitting
- e) None of these

**Explanation:** Merging involves creating a single cell by combining two or more selected cells. A chart that is drawn on the same worksheet as the data. Displays the average of the numbers in a selected range.

**Q.166 Compiling creates a(n)**

- a) Error-free program
- b) Program specification
- c) Subroutine
- d) Algorithm
- e) Executable Program**

**Explanation:** Another specialized program, called a linker, combines this object file with other previously compiled object files (in particular run-time modules) to create an executable file. This process is diagrammed below. Click Initial build to see an animation of how the executable is created.

**Q.167 A device that connects to a network without the use of cable is said to be**

- a) Distributed
- b) Non-wired
- c) Centralized
- d) Open Source
- e) Wireless**

**Explanation:** A device that connects to a network without the use of cable is known as a wireless network.

**Q.168 A program designed to destroy data on your computer which can travel to "infect" other computers is called a**

- a) Disease
- b) Torpedo
- c) Hurricane
- d) Virus**
- e) Infector

**Explanation:** A computer virus, much like a flu virus, is designed to spread from host to host and has the ability to replicate itself.

**Q.169 You organise files by storing them in**

- a) Archies
- b) Lists
- c) Indexes
- d) Folders**
- e) None of these

**Explanation:** Files are organised and stored in folders.

**Q.170 What type of computers are client computers (most of the time) in a client-server system?**

- a) Mainframe**
- b) Mini-computer
- c) Microcomputer
- d) PDA
- e) None of these

**Explanation:** Mainframe computers are typically priced in the millions of dollars, while client-server systems have entry points in the thousands.

**Q.171 Organic soils have atleast \_\_\_ of organic matter-**

- a) 5%
- b) 10%
- c) 30%
- d) 20%**
- e) 50%

**Explanation:** Organic soils have atleast 20% organic matter content and it may vary depending upon the clay content of the soil.

**Q.172 Irrigation before sowing of the crop is known as \_\_\_\_.**

- a)  **puddling**
- b) Bubbler Irrigation
- c) Micro Sprinkler
- d) Micro-jet Irrigation
- e) Herbigation

**Explanation:**

- Pudding: Irrigation before sowing of the crop is known as Pudding. It reduces the percolation of water.
- Bubbler irrigation: vertical riders are anchored to stakes or posts and their heights are so adjusted that they deliver water at the rate desired.
- Micro-sprinkler: water discharge 28- 223 lit/hr; operating pressure: 0.8 to 4 bar and throw distance: 0.9 to 4 m, suitable for forest trees.
- Micro-jet irrigation: water leaves the jets at a pressure of nearly one bar, throws water at the distance of 1-4 m, water discharge is 5-160 lit/hr.
- Herbigation: herbicide+ irrigation



**Q.173 Crop grown in monsoon season are which type of crop**

- a) Rabi Crops
- b) Summer Crops
- c)  **Kharif Crops**
- d) Oil crops
- e) Fodder crops

**Explanation:** Kharif Crops are crops grown in monsoon season from June to October e.g. Rice, Bajra, Maize

**Q.174 Which of the following is not a principle of organic farming**

- a) Principle of care
- b) Principle of fairness

- c) Principle of awareness
- d) Principle of health
- e) Principle of ecology

**Explanation:** Principles of organic farming include Principle of care, Principle of fairness, Principle of health, Principle of ecology.

**Q.175 How much percentage of the total cultivated area is under rainfed condition**

- a) About 50%
- b) About 60%
- c) **About 70%**
- d) About 80%
- e) About 90%

**Explanation:** Out of the 143 million ha of total cultivated area in the country, 101 million ha (i.e. nearly 70%) area are rainfed.

**Q.176 Which 1 of the following is an essential factor for germination of seed**

- a) Light
- b) **Air**
- c) Mineral
- d) Temperature
- e) Genetic makeup

**Explanation:** Air (oxygen) is the most essential factor germination of seed.

**Q.177 Which of the following crops are grown with the onset of monsoons and are harvested in the months of September-October?**

- a) Rabi
- b) **Kharif**
- c) Zadi
- d) All of the above
- e) None of the above

**Explanation:** Kharif crops are grown with the onset of monsoon in different parts of the country and these are harvested in September-October. Important crops grown during this season are paddy, maize, jowar, bajra, tur (arhar), moong, urad, cotton, jute, groundnut and soya bean.

**Q.178 Which one of the following is a rabi crop?**

- a) Rice
- b) **Wheat**
- c) Bajra
- d) Jowar
- e) None of these

**Explanation:** Rabi crops or rabi harvest are agricultural crops that are sown in winter and harvested in the spring in India. Wheat, barley, mustard and green peas are some of the major rabi crops that grow in India. India is the second-largest producer of wheat in the world. It is highly dependent on this rabi crop for its agricultural income. Wheat is a staple food among Indians, especially in the northern regions.

**Q.179 Punjab and Haryana grow rice mainly due to**

- a) availability of cheap labour
- b) development of canals irrigation and tubewells**
- c) fertile soil
- d) development of the transport network
- e) None of these

**Explanation:**

- India is one of the leading producers of rice, the states of Punjab and Haryana grow rice due to the most of farmers have canal and tube well irrigation system that uses groundwater and accounts for 100% irrigation.
- The state of Punjab and Haryana report the highest productivity per unit of irrigation. Rice being a water-intensive crop needs a large amount of and irrigation and fertile soil.

**Q.180 The two main wheat-growing regions are:**

- a) The Ganga-Sutlej plains and the Deccan Trap**
- b) North-eastern part and eastern-coastal plains
- c) Deccan plateau and Konkan coast
- d) All of the above
- e) None of the above

**Explanation:**

- There are two important wheat-growing zones in the country – the Ganga-Satluj plains in the northwest and the black soil region of the Deccan.
- The major wheat-producing states are Punjab, Haryana, Uttar Pradesh, Bihar, Rajasthan and parts of Madhya Pradesh.