



[Aptitude Multiple Choice Question – Rahul Kale (rahul@sunbeaminfo.com)]
[9881144174]



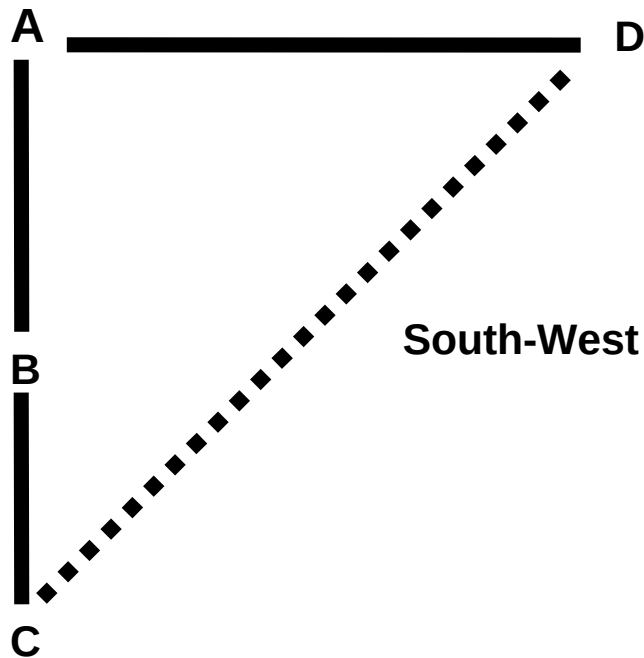
[Direction] Q1. D is in the East of A and A is in the North of B. C is in the South of B then in which direction of D is C?

A. South-East

B. South-West

C. South

D. North-East



South-West

Answer : B is correct South-West



[Coding And Decoding] Q2. IF GUJRAT is written as GGJJAA, how will CHENNAI be written in that code?

- A. CCHHAAII B. CCEEAAII C. CCEENNII D. None of these

The letters at the alternate places are repeated twice to code

GUJRAT as GGJJAA

So, the CHENNAI will be written as CCEENNII in this code.

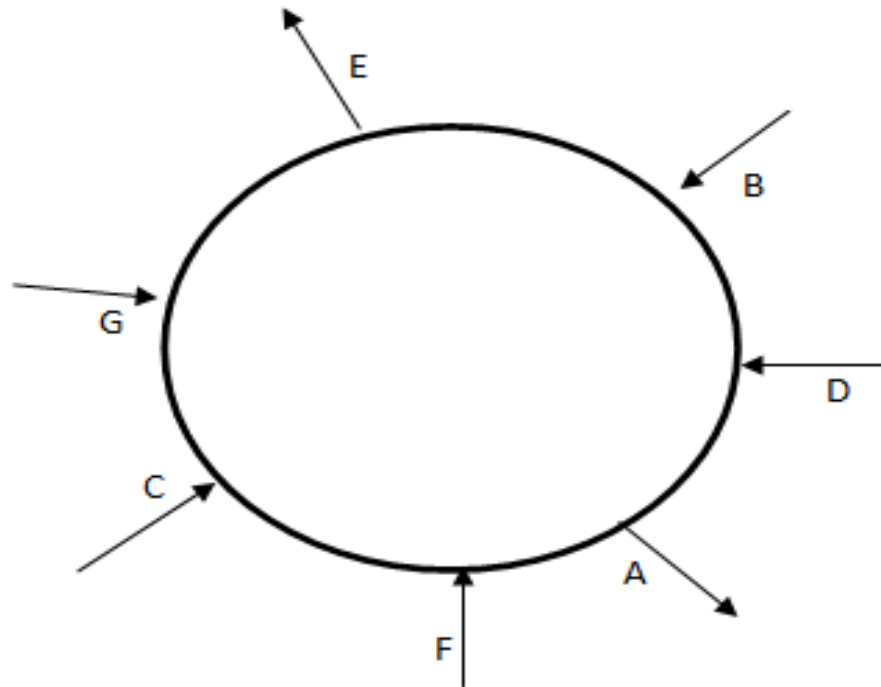
$$25 / 125 * 100 = \quad 1/5 * 100 = 20\%$$

Answer : C is correct CCEENNII



Q3. Seven people A, B, C, D, E, F and G are sitting in a circle. Five of them are facing the centre while two of them are facing opposite to the centre. C sits third to the left of D and both are facing the centre. E is neither an immediate neighbour of D nor of C. The one sitting exactly between D and F is facing opposite to the centre. G sits third to the right of A and G is facing the centre. One of B's neighbour is facing opposite to the centre.

Explanation: From the given information, we can make the following diagram.



[Paragraph]

Q3-1. : Which of the following pairs represents persons, facing opposite to the center?

A. A and F B. E and F C. A and E D. cannot be determined E. None of these

A and E are the pair facing opposite to the centre

Answer : C is correct A and E

Q3-2.: Who is sitting second to the left of A?

A. C B. G C. E D. B E. None of these

B sits second to the left of A.

Answer : D is correct B

.



Q3-3. : Who is sitting to the immediate left of E?

- A. C B. G C. B D. A E. None of these**

G is sitting to the immediate left of E.

Answer : B is correct G

Q3-4. What is the position of F with respect to B?

- A. Fourth to the left B. Second to the right C. Third to the right**
D. Second to the left E. None of these

F is third to the left of B. so None of these options

Answer : E is correct None of these

.

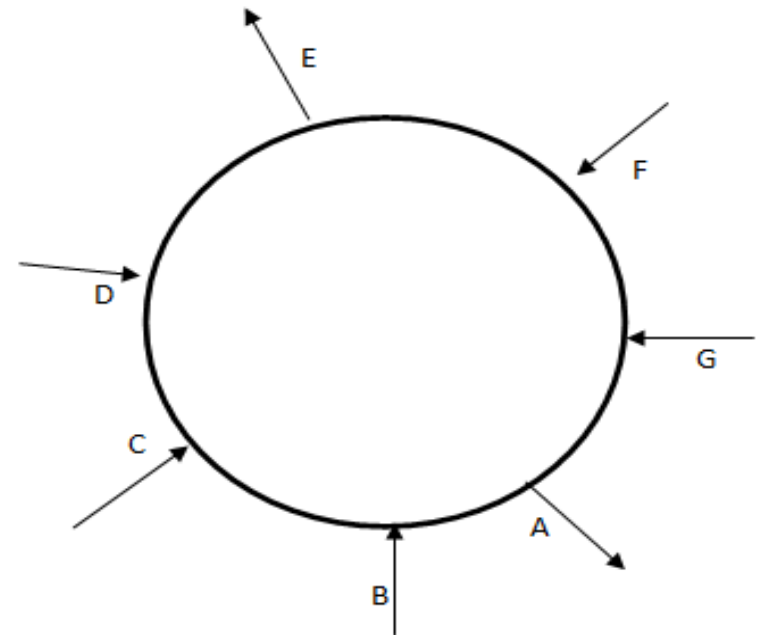
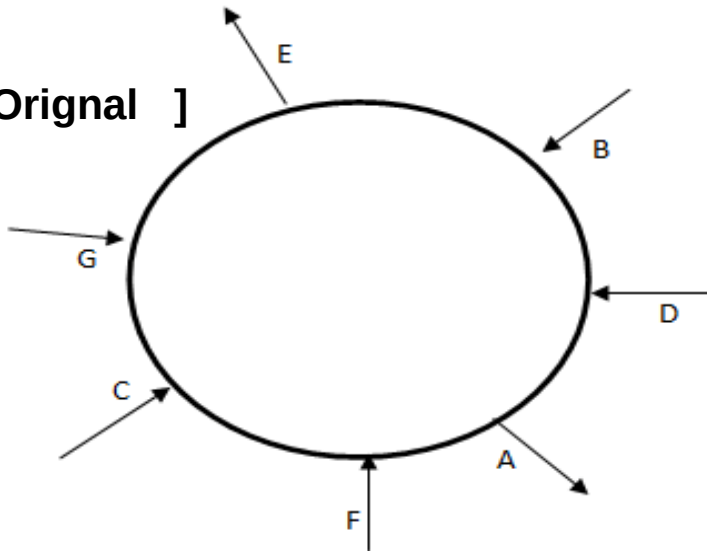


Q3-5 : If all the persons are asked to sit in a clockwise direction in an alphabetical order starting from A, the position of how many will remain unchanged, excluding A?

A. Three B. One C. Two D. Four E. None

When everyone sits in the clockwise direction, in an alphabetical order starting from A, then the order will be

[Original]

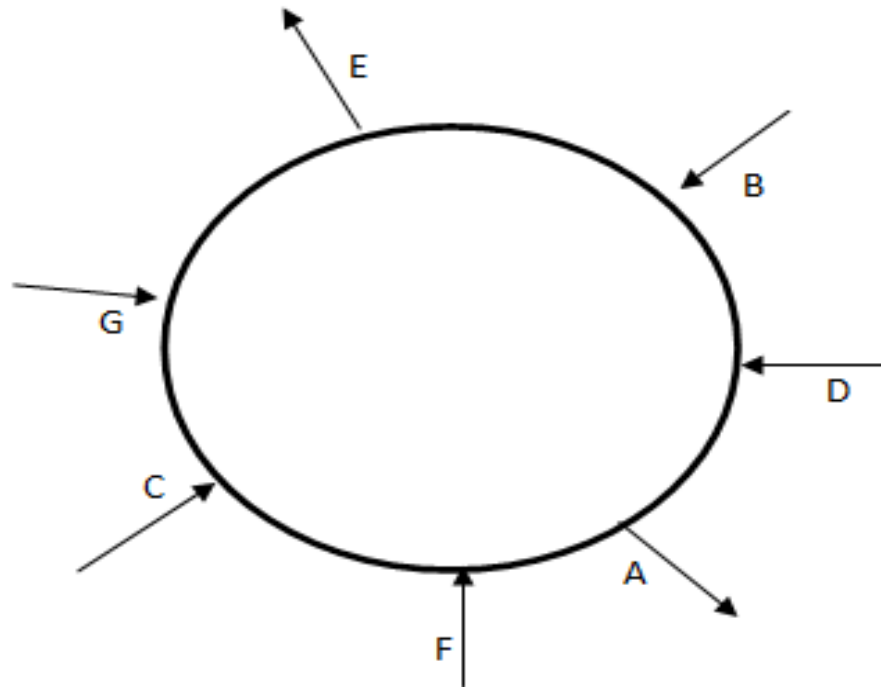


The positions of C and E remain unchanged except A.

Answer : C is correct Two

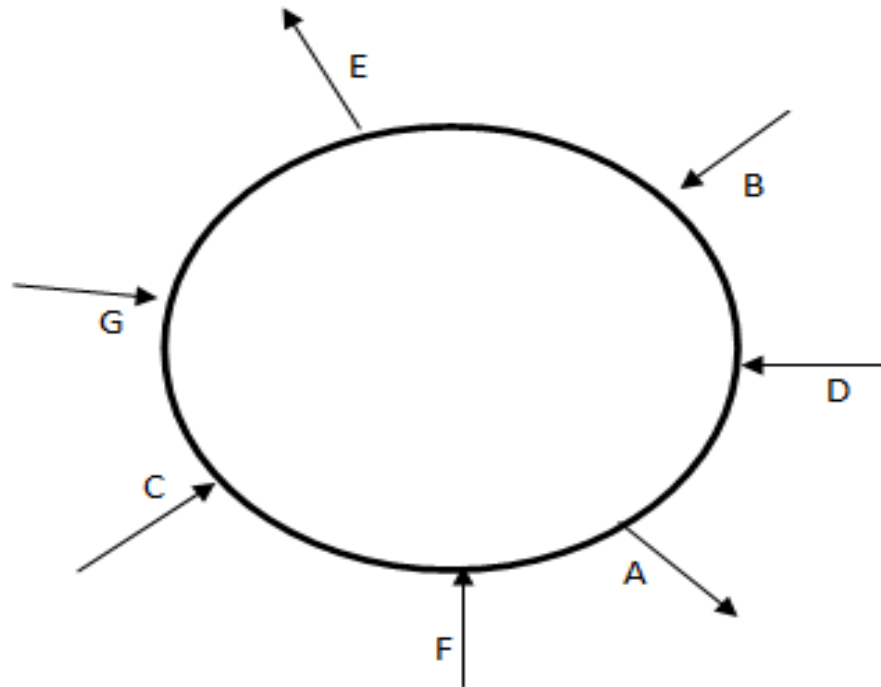
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Explanation: From the given information, we can make the following diagram.



[Analogy] Q4. Find the Analogy :
Botany : Plant :: ? : Amphibians

A. Ethnology B. Astrology C. Semantics D. Batrachology

The study of amphibians is called batrachology,

While, Ethnology (human races) - compares and analyzes the characteristics of different people and the relationships between them

Astrology (future) - study how those positions, motions,

and properties of celestial objects affect people and events on Earth

Semantics (Language) - study of relationships between words

and how we construct meaning, sheds light on how we experience the world

and how we understand others and ourselves.

Answer : D is correct Batrachology



[Numbers] Q5. T Find the missing numbers in the series, 4, 20, 7, 14, 10, 8, 13, __, __.

A. 2, 18

B. 2, 14

C. 2, 16

D. 2, 15

This is an alternating addition and subtraction series
in which 3 is added to each number in the first pattern
and 6 is subtracted from each number in the second pattern.

Therefore, the next two numbers are 16 (13+3).

2 (8-6)

and

16 (13+3).

2 , 16

Answer : A is correct 162



[Analogy] Q6. Find the Analogy:

PRLN : XZTV :: JLFH : ?

A. RTPN				B. NTRP				C. RTNP				D. NRTP			
P	R	L	N												
+	+	+	+												
8	8	8	8												
X	Z	T	V												
<hr/>															
J	L	F	H												
8	8	8	8												
+	+	+	+												
R	T	N	P												

Answer : C is correct RTNP



Q7. Study the following information carefully and answer the questions given below:

A person watched different TV programs from Monday to Saturday viz—TV Series, Movies, News, Sports, Cooking show and Music, but not necessarily in the same order. He watched Cooking show before the day on which he watched News but after the day on which he watched Music. Cooking show and Sports are being watched with two day's gap between them. News is being watched neither on the first day nor on the last day but is watched earlier than the day on which Movies is being watched. TV Series is being watched on the previous day when Music is watched. Sports is watched on the next day when Movies is watched.



[Paragraph]

Q7_1. Which of the following statements is/are true?

- A. There are two day's gap between Movies and Sports**
- B. Cooking show is being watched between Music and News**
- C. Movies is watched on Thursday**
- D. All are true**
- E. None of these**

He watched Cooking show before the day on which he watched News but after the day on which he watched Music. News is being watched neither on the first day nor on the last day. Cooking show and Sports are being watched with two day's gap between them. From the above data, we can say –

Case 1	
Days	TV programs
Monday	
Tuesday	Music
Wednesday	Cooking show
Thursday	News
Friday	
Saturday	Sports

Case 2	
Days	TV programs
Monday	Sports
Tuesday	
Wednesday	Music
Thursday	Cooking show
Friday	News
Saturday	

Answer : B is Correct Cooking show is being watched between Music and News



[Paragraph]

Q7_2. Sports is watched on which of the following days ?

A. Saturday B. Wednesday C. Monday D. Friday E. None of these

Sports is watched on the next day when Movies is watched.
From the given condition, case 2 of above given table gets dropped.

Case 1	
Days	TV programs
Monday	TV Series
Tuesday	Music
Wednesday	Cooking show
Thursday	News
Friday	Movies
Saturday	Sports

Answer : A is Correct Hence, Sports is watched on Saturday.



[Paragraph]

Q7_3. On which of the following days, Music is watched?

A. Monday B. Tuesday C. Friday D. Thursday E. None of these

**From the given condition, referring to the above table-
Music is watched on Tuesday.**

Case 1	
Days	TV programs
Monday	TV Series
Tuesday	Music
Wednesday	Cooking show
Thursday	News
Friday	Movies
Saturday	Sports

Answer : B is Correct Music is watched on Tuesday..



[Paragraph]

Q7_4. On which of the following days, he watched Cooking show?

A. Tuesday B. Thursday C. Friday D. Wednesday E. None of these

**From the given condition, referring to the above table-
The cooking show is watched on Wednesday..**

Case 1	
Days	TV programs
Monday	TV Series
Tuesday	Music
Wednesday	Cooking show
Thursday	News
Friday	Movies
Saturday	Sports

Answer : D is Correct The cooking show is watched on Wednesday.



[Paragraph]

Q7_5. There is a gap of how many day(s) between the day on which he watched TV series and the day on which he watched Movies?

A. One B. Two C. Three D. Four E. None of these

As per the given condition, referring to the above table-

There is three days gap between the day on which he watched TV series and the day on which he watched Movies.

Case 1	
Days	TV programs
Monday	TV Series
Tuesday	Music
Wednesday	Cooking show
Thursday	News
Friday	Movies
Saturday	Sports

Answer : C is Correct Three



[Coding And Decoding] Q6. If MOUSE is coded as PNUFT, then CLOCK will be coded as

A. MDOLD B. MDPLD C. NDOLD D. MDOLE

First 2 letters- M and O are grouped and

last 2 letters S and E are grouped

After grouping, +1 is added and the position of the letters is interchanged.

Like in MO group, +1 is added so the result will be NP and

then the letters are interchanged and so the result for 1st group will be PN.

Same for the second group and the middle odd letter is as it is.

MDOLD

Answer : A is correct MDOLD



[Age] Q7. A mother is twice as old as her son. If 20 years ago, the age of the mother was 10 times the age of the son, what is the present age of the mother?

A. 38 years

B. 40 years

C. 43 years

D. 45 years

Let the age of son = X years

Age of mother would be = 2X

As per question 20 years ago;

$$10 * (X - 20) = 2X - 20$$

$$10X - 200 = 2X - 20$$

$$10X - 2X = -20 + 200$$

$$8X = 180$$

$$X = 180 / 8 = 22.5 \text{ years}$$

$$\text{Age of mother} = 22.5 * 2 = 45 \text{ years}$$

Answer : D is correct 45 years



Q8 . If January 1, 1996, was Monday, what day of the week was January 1, 1997?

A. Thursday B. Wednesday C. Friday D. Sunday

**The year 1996 is divisible by 4,
so it is a leap year with 2 odd days.**

**The first day of the year 1996 was Monday,
so the first day of the year 1997
must be two days after Monday.**

So, it was Wednesday.

Answer : B is correct Wednesday

.



[Speed]

Q9. The ratio between the speeds of two cars is 5:8. If the first car covers 200 km in 2 hours, find the speed of the second car.

- A. 140 km/hr B. 150 km/hr C. 160 km/hr D. 170 km/hr**

Let the speed of two cars is 5X and 8X.

Speed = Distance / Time

$$= 200 / 2$$

$$= 100 \text{ km / hr}$$

So, $5X = 100$

$$X = 100 / 5 = 20 \text{ km / hr}$$

So the speed of second car will be $= 8 * 20 = 160 \text{ km/hr}$

Answer : C is correct 160 km/ hr

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[Coding And Decoding]

Q10. If "basketball" is "football", "football" is "korfbal", "korfbal" is "tennis", "tennis" is "kabaddi" and "kabaddi" is "basketball", then to which game Wimbledon is associated?

- A. Football B. Korfbal C. Tennis D. Kabaddi E. Basketball**

As Wimbledon is related to tennis and tennis is referred as kabaddi.

Answer : D is correct Kabaddi



[Blood Relation Reasoning] Q11. A man pointing to a photograph says, "The lady in the photograph is my nephew's maternal grandmother." How is the lady in the photograph related to the man's sister who has no other sister?

- A. Cousin B. Sister-in-law C. Mother D. Mother-in-law**

Man's Nephew's maternal grandmother will be man's mother.

Answer : C is correct Mother



Q12. Two numbers are less than third number by 30% and 37% respectively. How much percent is the second number less than by the first

- A. 8% B. 9% C. 10% D. 11%**

Let the third number be x.

First number = (100-30)% of x

$$= 70\% \text{ of } x = 7x/10$$

Second number is (63x/100)

$$\text{Difference} = 7x/10 - 63x/100 = 7x/10$$

So required percentage = difference = what percent of first number

$$(7x/100 * 10/7x * 100)\% = 10\%$$

Answer : C is correct 10 %



[Direction]

Q13. A man is facing north. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 45 degree in the anticlockwise direction. Find which direction he is facing now?

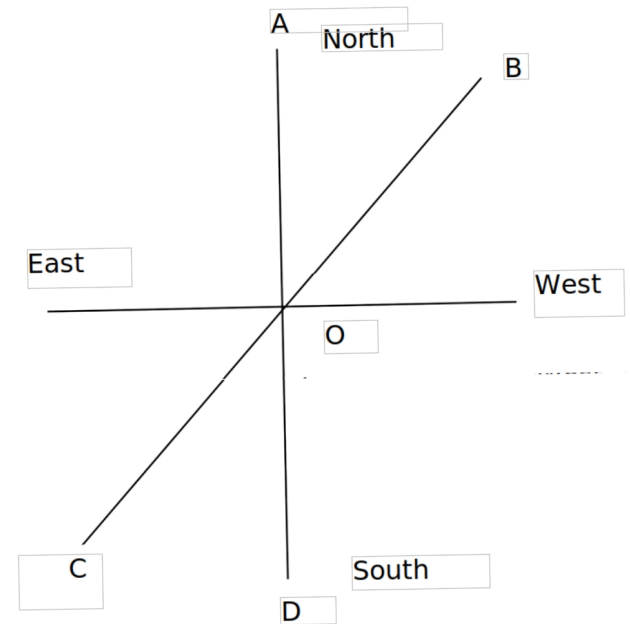
- A. North B. East C. West D. South**

The man firstly faces the direction OA.

On moving 45 degree clockwise, he faces the direction OB.

**Now again he moved 180 degree clockwise,
now he will be facing OC.**

**From here he moved 45 degree anticlockwise;
finally he is facing OD, which is South direction.**



Answer : D is correct South



Q14.What will be the LCM of 8, 24, 36 and 54

A. 54

B. 108

C. 216

D. 432

LCM of 8-24-36-54 will be

$$8 = 2 * 2 * 2$$

$$24 = 2 * 2 * 2 * 3$$

$$36 = 2 * 2 * 3 * 3$$

$$54 = 2 * 3 * 3 * 3$$

$$\text{LCM of 8, 24, 36 and 54 is } 2 * 2 * 2 * 3 * 3 * 3 = 8 * 27$$

$$2 * 2 * 2 * 3 * 3 * 3 = 216$$

Answer : C is correct 216

.



Q15 How much water is mixed in 36 liter of milk worth Rs. 5.00 per liter, so that value of mixture is Rs. 3.60 per liter?

- A. 10 liters B. 12 liters C. 11 liters D. 14 liters E. 17 liters**

	Milk 5:00 rs	water 0
	3.60	
	3.60 rs	1.40

Ratio of Milk to water will be= 3.60 : 1.40
= 18 : 7

In 18 litre milk water added = 7 liter

In 1 litre milk water added = 7 / 18

In 36 litre milk water added = (7/18) x 36 = 14 liters

Answer : D is correct 14 liters



blood relation:

Q19. Find the blood relation:

**A is the son of B. C, B's sister has a son D and a daughter E.
F is the maternal uncle of D. How is E related to F?**

A. Sister

B. Mother

C. Cousin

D. Niece

E is the daughter of C

and D is the son of C.

So, F, who is the maternal uncle of D,

is also the maternal uncle of E.

So, E is the niece of F

Answer : D is correct Niece

