

IBPS RRB SCALE 3 PREVIOUS PAPER

HELD ON 18 OCTOBER 2020
(BASED UPON MEMORY)

FINANCIAL AWARENESS

Ques 1: Noble Prize economics has given in which field of economics

Ans: Auction

(From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2016/10/nobel-prize-2016-winners-list-at-glance.html>)

Ques 2: What documents required to get FasTag

Ans: KYC documents like RC, identity, address proof and a passport size photo. (covered in the course)

Ques 3: DGFT Full Form

Ans: Directorate General of Foreign Trade

(From the free study material of BankExamsToday- <https://currentaffairs.bankexamstoday.com/2020/04/an-online-platform-to-issue-coo-for.html>)

Ques 4: No. of currency chests (covered in the course's RBI Circulars)

Ques 5: Tax exempted limit for senior citizen

Ans: 300000 (covered in the course)

Ques 6: Net worth of the Company to issue Commercial Papers (CP)

Ans: Rs. 4 crores (covered in the course)

Ques 7: Maturity period of SGB

Ans: 8 years

(From the free study material of BankExamsToday- <https://currentaffairs.bankexamstoday.com/2019/10/sovereign-gold-bond-scheme-2019-20.html>)

Ques 8: CRAR for HFCs 2022

Ans: 15%

From the free study material of BankExamsToday- <https://currentaffairs.bankexamstoday.com/2020/06/new-rules-for-hfcs-by-rbi.html>

Ques 9: EU Bank Head

Ans: Christine Lagarde (covered in the course)

Ques 10: RBI Act Section 22

Ans: Issue of currency notes

(From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2015/08/reserve-bank-of-india-functions-and.html>)

Ques 11: Tenure of Commercial papers (CP)

Ans: 7 days to 1 year

From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2016/11/money-market-instruments-explained.html>

Ques 12: New definition of Small enterprise

Ans: Investment up to 10cr and Turnover up to 50 cr

(From the free study material of BankExamsToday - <https://www.youtube.com/watch?v=HP4xaog9Pkc&t=1s>)

Ques 13: Basic points in Fraction

Ans: 1 Basic Point = 1/100th (covered in the course)

Ques 14: RBI permits cash withdrawal on POS in tier 4 or 6 centres?

Ans: Rs. 2000 (covered in the course)

Ques 15: Which of the following is not a characteristic of the EEFC account?

(From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2017/03/types-of-foreign-accounts-in-india.html>)

Ques 16: Half debt and half equity investment funds are called

Ans: Hybrid Funds

(From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2014/07/mutual-fund-concept-and-structure.html>)

Ques 17: BRBNMPL printing press located in

Ans: Mysuru (Karnataka) and Salboni (West Bengal)

(From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2017/01/bharatiya-reserve-bank-note-mudran.html>)

Ques 18: Sukanya Samridhi Yojna **(covered in the course)**

Ques 19: BIRD is promoted by

Ans: NABARD **(covered in the course)**

Ques 20: Transunion CIBIL tie-up for a credit check **(covered in the course)**

Ques 21: Systemically important NBFCs

Ans: (From the free study material of BankExamsToday- <https://www.bankexamstoday.com/2017/03/non-banking-finance-company-important.html>)

Ques 22: Central and State Government share in RRB

Ans: Central Government = 50% and State Government = 15%

Ques 23: DICGC claim of two different banks with principal and interest in two different accounts

Ans: The funds from each bank are insured separately. **(covered in the course)**

Ques 24: Question from NPCI products **(covered in the course)**

Ques 25: FWTW

Ans: From-whom-to-whom

Ques 26: Question-related to an offline wallet **(covered in the course)**

Ques 27: Question-based on BHIM Aadhar Pay/ P2M **(covered in the course)**

Ques 28: Question from Derivatives **(covered in the course)**

REASONING

Directions(41-45): Study the following information carefully and answer the questions given below:

Six people – Ranbir, Kabir, Abhishek, Hrithik, Karan and Prabhas were born in different years with the current base year is taken as 2019. None of them is older than 50 years. They like different kabaddi teams – Bengal Warriors, Bengaluru Bulls, Dabang Delhi K.C., Gujarat Fortune giants, Haryana Steelers and Jaipur Pink Panthers. Kabir was born in 1985 and likes Bengaluru Bulls. The one who likes Dabang Delhi K.C. is one year elder to Kabir. The difference between the ages of Kabir and Prabhas is 5 years. The one who likes Haryana Steelers is elder than Prabhas and younger than Kabir. Only one person was born in an odd number years between 1985 and 1990 but not in 1989. Prabhas is younger than Kabir. The one who likes Jaipur Pink Panthers is 5 years younger to the one who likes Haryana Steelers. Prabhas does not like Gujarat Fortune giants. The one who likes Gujarat Fortune giants is the eldest among all. Karan is not the eldest and does

not like Jaipur Pink Panthers and Dabang Delhi K.C. The difference between the age of the one who likes Bengaluru Bulls and the one who likes Gujarat Fortunegiants is 9 years. Ranbir is the second eldest person. Abhishek does not like Jaipur Pink Panthers.



Ques: 41: Who among the following likes Jaipur Pink Panthers?

- 1) Karan
- 2) Hrithik
- 3) Ranbir
- 4) Prabhas
- 5) Abhishek

Ans: 2

Hrithik likes Jaipur Pink Panthers.

Solution:

Persons – Ranbir, Kabir, Abhishek, Hrithik, Karan and Prabhas

Kabaddi teams – Bengal Warriors, Bengaluru Bulls, Dabang Delhi K.C., Gujarat Fortunegiants, Haryana Steelers and Jaipur Pink Panthers

1. Kabir was born in 1985 and likes Bengaluru Bulls.
2. The one who likes Dabang Delhi K.C. is one year elder to Kabir. (Kabir was born on 1985 so the person who likes Dabang Delhi K.C. was born on 1984)
3. The difference between the ages of Kabir and Prabhas is 5 years. (Kabir's age is 34 so Prabhas' age is either 29 or 39)
4. Prabhas is younger than Kabir. (So, Prabhas age is 29 and he is born on 1990)

5. The one who likes Haryana Steelers is elder than Prabhas and younger than Kabir. (The one who likes Haryana Steelers was born between 1985 and 1990)

6. Only one person was born in an odd number years between 1985 and 1990 but not in 1989. (So, the one who likes Haryana Steelers was born on 1987)

Persons	Years	Ages	Kabaddi Teams
Kabir	1985	34	Bengaluru Bulls
	1984	35	Dabang Delhi K.C.
Prabhas	1990	29	
	1987	32	Haryana Steelers

7. The one who likes Jaipur Pink Panthers is 5 years younger to the one who likes Haryana Steelers.(The one who likes Haryana Steelers is 32 years old so the one who likes Jaipur Pink Panthers was born on 1992)

8. Prabhas does not like Gujarat Fortunegiants.(So, Prabhas likes Bengal Warriors)

9. The one who likes Gujarat Fortunegiants is the eldest among all.

10. The difference between the age of the one who likes Bengaluru Bulls and the one who likes Gujarat Fortunegiants is 9 years.(The one who likes Bengaluru Bulls was born on 1985 so the one who likes Gujarat Fortunegiants was born on 1976)

11. Karan is not the eldest and does not like Jaipur Pink Panthers and Dabang Delhi K.C.(So, Karan likes Haryana Steelers)

12. Ranbir is the second eldest person.(So, Ranbir was born on 1984)

13. Abhishek does not like Jaipur Pink Panthers. (So, Abhishek likes Gujarat Fortunegiants)

Persons	Years	Ages	Kabaddi Teams
Abhishek	1976	43	Gujarat Fortunegiants
Ranbir	1984	35	Dabang Delhi K.C.
Kabir	1985	34	Bengaluru Bulls
Karan	1987	32	Haryana Steelers
Prabhas	1990	29	Bengal Warriors
Hrithik	1992	27	Jaipur Pink Panthers

Hence, Hrithik likes Jaipur Pink Panthers.

Ques: 42: Who among the following is the eldest among all?

- 1) Karan
- 2) Abhishek
- 3) Kabir
- 4) Ranbir
- 5) Hrithik

Ans: 2

Solution:

Hence, Abhishek is the eldest among all.

Ques: 43: Which of the following combination is not true as per the given information?

- 1) Karan – 1987 – Haryana Steelers
- 2) Prabhas – 1990 – Bengal Warriors
- 3) Hrithik – 1991 – Jaipur Pink Panthers
- 4) Abhishek – 1976 – Gujarat Fortunegiants
- 5) All are true

Ans: 3

Solution:

Hrithik was born on 1992.

Hence, option 3 is not true.

Ques: 44: Which of the following statement is correct?

- 1) Hrithik is elder than Karan
- 2) Prabhas is eldest them all
- 3) Karan was born in 1984
- 4) Kabir is younger than Ranbir
- 5) All are correct

Ans: 4

Solution:

Hence, Kabir is younger than Ranbir.

Ques: 45: In which year Abhishek was born?

- 1) 1976
- 2) 1987
- 3) 1992
- 4) 1990
- 5) None of these



Ans: 1

Solution:

Hence, Abhishek was born on 1976.

Directions: In the following questions, the symbols are used with the following meaning as illustrated below. Study the following information and answer the given questions:

A \$ B means A is the parent of B

A % B means A is the child of B

A * B means A is the son of B

A @ B means A is younger to B

A & B means A is the sister of B

A # B means A is son-in-law of B

A © B means A is wife of B

Ques: 46: In a five member family, P © Q % R & S @ T, T \$ Q, R © T is true then who is brother-in-law of S?

- 1) R
- 2) T
- 3) Q
- 4) P
- 5) Cannot be determined

Ans: 2

Solution:

Let us first decode the given symbols and then draw a family tree.

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A is							
Symbol	\$	%	*	@	&	#	©
Meaning	Parent	Child	Son	Younger	Sister	Son-in-law	Wife
Of B							

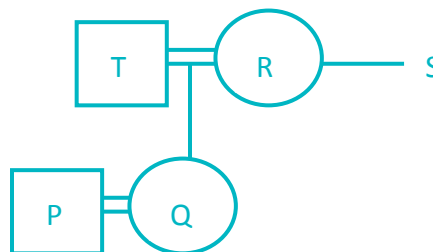
Now draw family tree using following notations:

Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
	Difference of A Generation

'P © Q % R & S @ T' means P is wife of Q, Q is child of R, R is sister of S and S is younger to T.

'T \$ Q' means T is parent of Q.

'R © T' means R is wife of T.



Hence, T is brother-in-law of S.

Ques: 47: In a seven member family, if $N * M \$ Z, V \& Z, V © J \# P, B \% V$ is true then how M is related to B?

- 1) Grandfather
- 2) Grandmother
- 3) Granddaughter
- 4) Grandson
- 5) Cannot be determined

Ans: 5

Solution:

Let us first decode the given symbols and then draw a family tree.

A is							
Symbol	\$	%	*	@	&	#	©
Meaning	Parent	Child	Son	Younger	Sister	Son-in-law	Wife
Of B							

Now draw family tree using following notations:

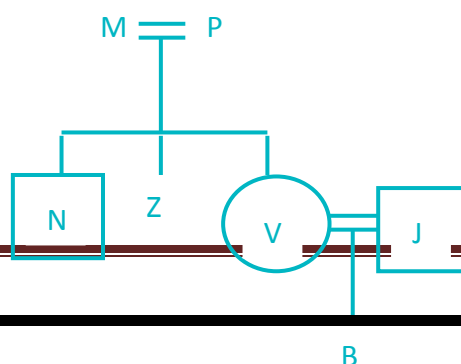
Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
	Difference of A Generation

'N * M \$ Z' means N is son of M and M is parent of Z.

'V & Z' means V is sister of Z.

'V © J # P' means V is wife of J and J is son-in-law of P.

'B % V'B is child of V.





Gender of M is not known.

Hence, relation between M and B cannot be determined.

Ques: 48: In a seven member family, if $K \text{ @ } J \# L \& M \text{ @ } N \% O \$ P, L \text{ @ } O, N \text{ @ } P$ is true and the age of M and P is 32 and 27 respectively then what is the possible age of N?

- 1) 35
- 2) 31
- 3) 28
- 4) 24
- 5) 33

Ans: 4

Solution:

Let us first decode the given symbols and then draw a family tree.

A is							
Symbol	\$	%	*	@	&	#	@
Meaning	Parent	Child	Son	Younger	Sister	Son-in-law	Wife
Of B							

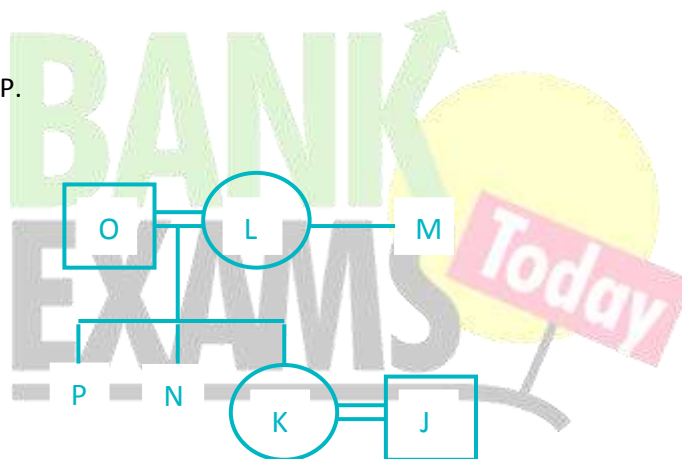
Now draw family tree using following notations:

Symbol in Diagram	Meaning
○	Female
□	Male
==	Married Couple
—	Siblings
	Difference of A Generation

'K © J # L & M @ N % O \$ P' means K is wife of J, J is son-in-law of L, L is sister of M, M is younger to N, N is child of O and O is parent of P.

'L © O' means L is wife of O.

'N @ P' means N is younger to P.



Age of M is 32 and age of P is 27.

N is younger to M and P. So N's age will be below 27 years.

Hence, the possible age of N is 24 years.

Ques: 49: In a five member family, K * V © X # D © M, O \$ X, O © Z is true, then how is Z related to V?

- 1) Father
- 2) Mother
- 3) Father-in-law
- 4) Mother-in-law
- 5) Granddaughter

Ans: 3

Solution:

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Let us first decode the given symbols and then draw a family tree.

A is							
Symbol	\$	%	*	@	&	#	©
Meaning	Parent	Child	Son	Younger	Sister	Son-in-law	Wife
Of B							

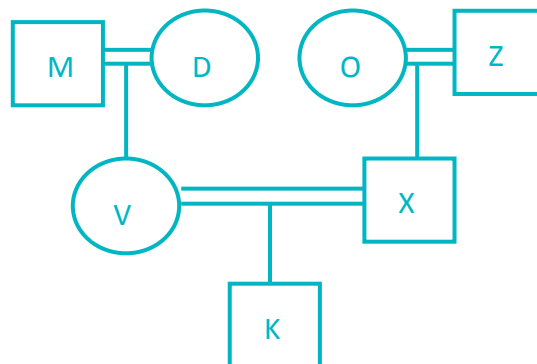
Now draw family tree using following notations:

Symbol in Diagram	Meaning
○	Female
□	Male
==	Married Couple
—	Siblings
	Difference of A Generation

'K * V © X # D © M' means K is son of V, V is wife of X, X is son-in-law of D and D is wife of M.

'O \$ X' means O is parent of X.

'O © Z' means O is wife of Z.



Hence, Z is father-in-law of V.

Ques: 50: In a five membered family, Q # J \$ W & C * T, if J has one son and one daughter then how is C is related to Q?

- 1) Brother-in-law
- 2) Mother-in-law
- 3) Father-in-law

- 4) Sister-in-law
5) Either 2 or 3

Ans: 1

Solution:

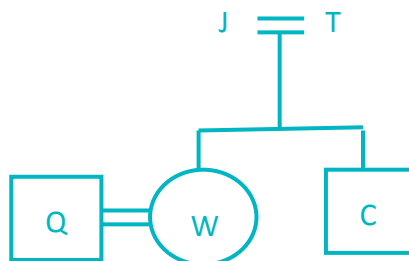
Let us first decode the given symbols and then draw a family tree.

A is							
Symbol	\$	%	*	@	&	#	©
Meaning	Parent	Child	Son	Younger	Sister	Son-in-law	Wife
Of B							

Now draw family tree using following notations:

Symbol in Diagram	Meaning
○	Female
□	Male
=	Married Couple
—	Siblings
	Difference of A Generation

‘Q # J \$ W & C * T’ means Q is son-in-law of J, J is parent of W, W is sister of C and C is son of T’. J has one son and one daughter.



Hence, C is brother-in-law of Q.

Directions: Study the following information and answer the given questions:

Eighteen person – A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q and R live in a building with five floors. Each floor has four flats – flat 1, flat 2, flat 3 and flat 4 in the same order from left to right. Ground floor is numbered floor 1 and top most floor is floor 5. Each flat is built in such a way that flat 1 of floor 2 is just above flat 1 of floor 1 and so on. The two flats in which no one lives are on even numbered floor and in even numbered flat except flat 4. P and Q do not live in flat 4. I does not live on even numbered floor and even numbered flat. G and F do not live on 3rd floor. O lives on a floor and flat just above on a floor and flat J. The flat between M and P is vacant and M lives in one of the flat above P. D lives above the floor C and does not live on fifth floor. N lives in an odd number flat which is in the left of P. F's flat is not above the flat in which M lives. R and Q live on the same floor and only one person is living with them on that floor. I lives on a floor and flat just above O's floor and flat. K lives on one of the floors on which one flat is vacant. R and K both lives in the flat which is numbered 1. H lives on a floor and flat just above Q's floor and flat. M and I does not live on 5th floor. Two persons live between D and C on the same flat. E lives on fifth floor but does not above vacant floor and immediate above R. A's floor and flat is immediate above B's floor and flat.

Ques:51: Who lives just above R?

- 1) M
- 2) F
- 3) L
- 4) D
- 5) O



Ans: 2

Solution:

1. The two flats in which no one lives are on even numbered floor and in even numbered flat except flat 4. (So, flat 2 of floor 2 and flat 2 of floor 4 is vacant flat)
2. The flat between M and P is vacant and M lives in one of the flat above P. (So, m can be in flat 2 of floor 5 or flat 2 of floor 3)

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3. M and I does not live on 5th floor. (So, M lives in flat 2 of floor 3 and P lives in flat 2 of floor 1)
4. I does not live on even numbered floor and even numbered flat.
5. N lives in an odd number flat which is in the left of P. (So, N lives in flat 1 of floor 1)
6. O lives on a floor and flat just above on a floor and flat J.
7. I lives on a floor and flat just above O's floor and flat. (So, I lives in flat 3 of floor 3, O lives in flat 3 of floor 2 and J lives in flat 3 of floor 1)

	Flat 1	Flat 2	Flat 3	Flat 4
Floor 5				
Floor 4		Vacant		
Floor 3		M	I	
Floor 2		Vacant	O	
Floor 1	N	P	J	

8. R and Q live on the same floor and only one person is living with them on that floor. (So, they are on either 4th floor or on 2nd floor)
9. R and K both lives in the flat which is numbered 1. (So, R lives in flat 1 of floor 2 or floor 4)
10. P and Q does not live in flat 4. (So, Q lives in flat 3 or floor 4 and R lives in flat 1 of floor 4)
11. K lives on one of the floors on which one flat is vacant. (So, K lives in flat 1 of floor 2)

	Flat 1	Flat 2	Flat 3	Flat 4
Floor 5				
Floor 4	R	Vacant	Q	
Floor 3		M	I	
Floor 2	K	Vacant	O	
Floor 1	N	P	J	

12. H lives on a floor and flat just above Q's floor and flat. (So, H lives in flat 3 of floor 5)
13. Two persons live between D and C on the same flat. (So, they lived in flat 4)
14. D lives above the floor C and does not live on fifth floor. (So, D lives in flat 4 of floor 4 and C lives in flat 4 of floor 1)
15. E lives on fifth floor but does not above vacant floor and immediate above R. (So, E lives in flat 4 of floor 5)
16. A's floor and flat is immediate above B's floor and flat. (So, B lives in flat 4 of floor 2 and A lives in flat 4 of floor 3)
17. F's flat is not above the flat in which M lives. (So, F is not on flat 2)
18. G and F does not live on 3rd floor. (So, F lives in flat 1 of floor 5, G lives in flat 2 of floor 5 and L lives in flat 1 of floor 3)

	Flat 1	Flat 2	Flat 3	Flat 4
--	--------	--------	--------	--------

Floor 5	F	G	H	E
Floor 4	R	Vacant	Q	D
Floor 3	L	M	I	A
Floor 2	K	Vacant	O	B
Floor 1	N	P	J	C

Hence, F lives just above R.

Ques: 52: Which of the following statement is false about E?

- 1) E lives on an odd number floor.
- 2) E lives on flat 4
- 3) E lives on a floor on which one flat is vacant
- 4) None is true
- 5) E and D lives on same numbered flat.

Ans: 3

Solution:

E does not live on a floor on which one flat is vacant.

Hence, option c is false.

Ques: 53: Who lives in a flat 4 on floor 2?

- 1) E
- 2) D
- 3) C
- 4) A
- 5) B

Ans: 5

Solution:

Hence, B lives in flat 4 on floor 2.

Ques: 54: Which of the following flats are vacant?

- 1) Flat 2 of floor 4th and flat 2 of 2nd floor
- 2) Flat 1 of 4th floor and flat 3 of 4th floor
- 3) Flat 3 of 4th floor and flat 1 of 2nd floor
- 4) Flat 2nd of 1st floor and flat 4 of 5th floor
- 5) None of these

Ans: 1

Solution:

Hence, flat 2 of floor 4th and flat 2 of 2nd floor are vacant.

Ques: 55: Who among the following does not belong to a certain group?

- 1) C
- 2) N
- 3) P
- 4) J
- 5) Q

Ans: 5

Solution:

All lives in different flat of floor 1 except Q who lives in flat 3 of floor 4.

Hence, Q does not belong to the group.

Directions: Q.(56-60) Each of the questions below consists of a question and May two/three statements numbered I and II or III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the statements and give answer.

Ques: 56: In a class of 56 students, 22 students like Maths and 20 students like Physics. How many students like Chemistry?

Statement I: 6 students like all the three subjects. 4 students like only Physics and Chemistry.

Statement II: Number of student who like only Maths, only Physics and only Chemistry are 7, 5 and 8 respectively.

- (A) Both I and II
- (B) Only I
- (C) Only II
- (D) Either I or II
- (E) None of the above



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Ans.56 (A)

From statement I:

Number of students like all the three subjects = 6

Physics and Chemistry = 4

So, Statement I alone is not sufficient to the answer the question.

From Statement II:

Only Maths = 7

Only Physics = 5

Only Chemistry = 8

So, Statement II alone is not sufficient to the answer the question.

From I and II:

Number of students like both Physics and Maths = $20 - (6 + 5 + 4) = 5$

Number of students like both Maths and Chemistry = $22 - (7 + 6 + 5) = 4$

Total number of students like Chemistry = $(8 + 6 + 4 + 4) = 22$

Ques.57: A lent Rs.1200 each to two of his friends B and C. What is the rate of interest?

Statement I: Amount repaid by B was Rs.1500

Statement II: Amount repaid by C was 1600.

(A) Both I and II

(B) Only I

(C) Only II

(D) Neither I nor II

(E) None of the above

Ans.57: (D)

From statement I:

B repaid = 1500

So, Statement I alone is not sufficient to the answer the question.

From statement II:

C repaid = Rs.1600

So, Statement II alone is not sufficient to the answer the question.

Time period is not given, so both I and II is not sufficient to the answer the question.

Ques.58: What is the area of rectangle?

Statement I: The breadth of the rectangle is 75% of the radius of the circle.

Statement II: The radius of the circle is equal to the side of the square whose area is 144 sq cm.

Statement III: perimeter of the rectangle is 38cm

(A) All the three

(B) Only I

(C) Only III or only I and II

(D) Either I or III

(E) None of the above

ans.58 (A)

From statement I:

Breadth = $75r/100$

So, Statement I alone is not sufficient to the answer the question.

From Statement II:

Area of square = 144

Side = 12

Radius = 12

So, Statement II alone is not sufficient to the answer the question.

From Statement III:

Perimeter of the rectangle = 38

$$l + b = 19$$

So, Statement III alone is not sufficient to the answer the question.

From I, II and III:

$$b = \left(\frac{3}{4}\right) \times 12 = 9$$

$$l = 19 - 9 = 10$$

$$\text{Area of rectangle} = 9 \times 10 = 90 \text{ cm}^2$$

Ques.59: In how many days A alone do a piece of work?

Statement I: A, B and C together can do the work in 24 days. B, C and D together can do the work in 18 days and A and D together can do the work in 30 days.

Statement II: A, B and D together can do the work in 15 days and B and C together can do the work in 20 days.

- (A) Both I and II
- (B) Only I
- (C) Only II
- (D) Either I or II
- (E) None of the above

Ans.59 (B)

From Statement I:

$$1/A + 1/B + 1/C = 1/24$$

$$1/B + 1/C + 1/D = 1/18$$

$$1/A + 1/D = 1/30 \text{ ---- (1)}$$

$$1/A - 1/D = 1/24 - 1/18$$

$$1/A - 1/D = -1/72 \text{ ---- (2)}$$

Solve the equation (1) and (2), we get

$$2/A = 1/30 - 1/72$$

$$2/A = 7/360$$

$$1/A = 7/720$$

$$A = 720/7 \text{ days}$$

So, Statement I alone is sufficient to the answer the question.

From statement II:

$$1/A + 1/B + 1/D = 1/15$$

$$1/B + 1/C = 1/20$$

So, Statement II alone is not sufficient to the answer the question.

Ques.60: $1x4y6z$ is a six digit number divisible by 8. Find the six digit number?

Statement I: $1x4$ is divisible by 11.

Statement II: $y6z$ is divisible by 9 and 8.

Statement III: Unit digit is greater than 1.

- (A) All the three
- (B) Only I
- (C) Only III or only I and II
- (D) Either I or III
- (E) None of the above

Ans.60 (A)

From Statement I:

1x4 is divisible by 11

So x can be 5.

So, Statement I is not sufficient to the answer the question.

From statement II:

y6z is divisible by 9 and 8.

So the number can be either 360 or 864.

So, Statement II is not sufficient to the answer the question.

From statement III: Unit digit is greater than 1.

So, Statement III is not sufficient to the answer the question.

From I, II and III:

From the question 1x4y6z is divisible by 8

Number can be 154864

So, statements I, II and III are necessary to the answer the question.

Directions (Q. Nos. 61-65) Study the given information and answer the following questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers)

Input: 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19

Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now

Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now

Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now

Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now

Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now

Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92

Step VII: salt 92 now 86 made 52 fell 40 extra 37 Cookies 23 butter 19

Step VII : Is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Ques: 61. How many steps will be required to complete the given input?

- (a) Five
- (b) Six
- (c) Seven
- (d) Eight
- (e) Nine

Ans: (c) Seven steps will be required to complete the given input.

Solution:

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I: beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice ife

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72
Step VI: proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17



Ques: 62. Which of the following is the third element from the left end of step VI?

- (a) Beautiful
- (b) Life
- (c) 61
- (d) Nice
- (e) 17

Ans: (d) 'nice' is the third element from the left end of step VI

Solution:

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I: beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice life
Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
Step V: nice 61 life 55 girl 48 family 32 beautiful 17 proud 97 rich 72
Step VI: proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Ques: 63: . Which of the following is step III of the given input?

- (a) proud 72 girl 48 family 32 beautiful 17 55 97 rich 61 nice life
- (b) life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice
- (c) girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
- (d) family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
- (e) girl 48 life 55 family 32 beautiful 17 proud 97 rich 61 72 nice

Ans: (c) 'girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life' is step II of the given input

Solution:

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I: beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice ife

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 lfe 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich

Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Ques: 64. What is the position of 'nice' from the left end in the final step?

- (a) Fifth
- (b) Sixth
- (c) Seventh
- (d) Eighth
- (e) Ninth

Ans: (a) nice is fifth from the left end in the final step

Solution:

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I: beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice ife

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 lfe 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich

Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Ques: 65. Which element is third to the right of 'family' in Step V?

- (a) Beautiful
- (b) 17
- (c) Proud
- (d) 97
- (e) 32

Ans: (b) '17' is third to the right of 'family' in step V.

Solution:

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life

Step I: beautiful 17 32 proud girl 48 55 97 rich family 61 72 nice ife

Step II: family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life

Step III: girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life

Step IV: life 55 girl 48 family 32 beautiful 17 proud 97 rich 61 72 nice

Step V: nice 61 lfe 55 girl 48 family 32 beautiful 17 proud 97 rich 72

Step VI: proud 72 nice 61 life 55 girl 48 family 32 beautiful 17 97 rich
 Step VII: rich 97 proud 72 nice 61 life 55 girl 48 family 32 beautiful 17

Directions (Q. Nos. 66-70) Study the following information to answer the given questions.

Ten people are sitting in two parallel rows containing five people each, in such a way that there is an equal distance between adjacent persons. In row 1, P, Q, R, S and T are seated and all of them are facing South. In row 2, A, B, C, D and E are seated and all of them are facing North.

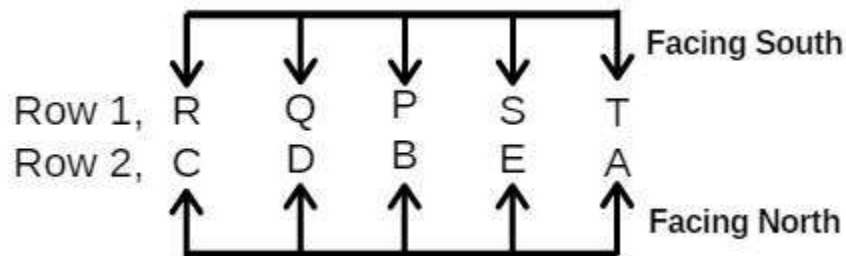
Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. D sits third to the left of A. P faces immediate neighbour of D. R sits second to the right of P. Only one person sits between Q and S, B and E are immediate neighbours of each other. E does not face P and Q.

Ques: 66: . How many persons are seated between Q and T?

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

Ans: (c) There are two persons seated between Q and T.

Solution: According to the given information, the sitting arrangement is as shown below:

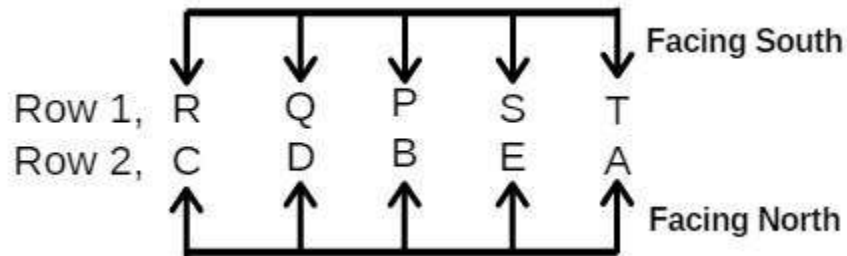


Ques: 67. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

- (a) R
- (b) S
- (c) C
- (d) T
- (e) A

Ans: (b) Except S, all others are sitting at the extreme ends.

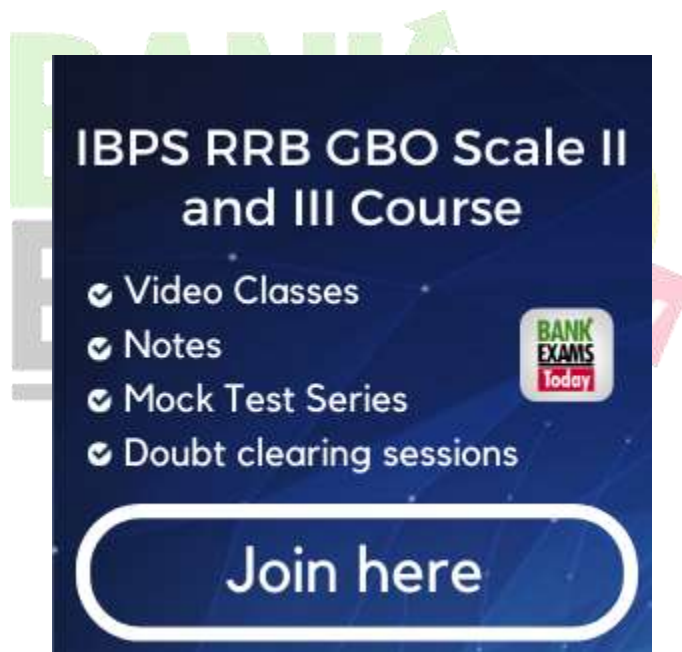
Solution: According to the given information, the sitting arrangement is as shown below:



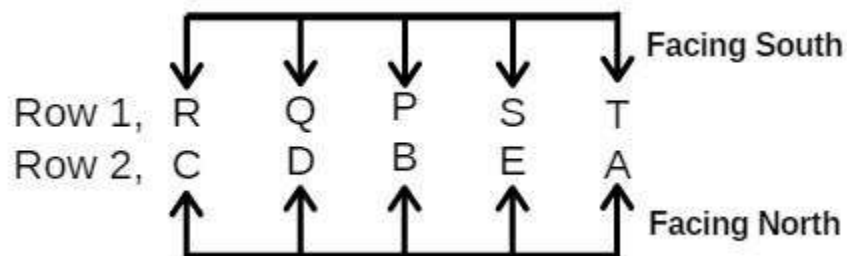
Ques: 68: . Who amongst the following represent the people sitting exactly in the middle of the rows?

- (a) P, E
- (b) S, D
- (c) S, A
- (d) A, R
- (e) P, B

Ans: (e) P, B represent the people sitting exactly in the middle of the rows



Solution: According to the given information, the sitting arrangement is as shown below:

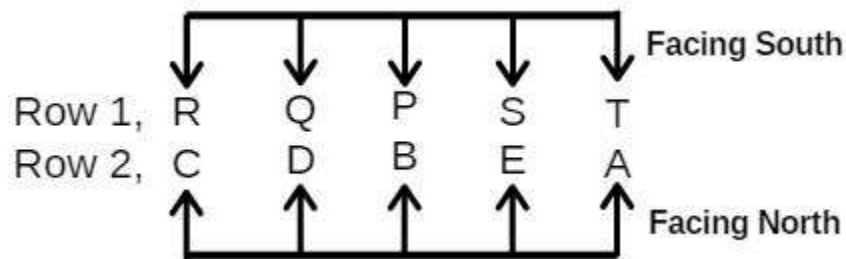


Ques: 69. Which of the following is true regarding B?

- (a) A and C are immediate neighbours of C.
- (b) B sits at one of the Extreme ends of the line
- (c) Q faces B
- (d) T is an immediate neighbour of the person facing B
- (e) D sits to the immediate left of B

Ans. (e) D sits to the immediate left of B is true

Solution: According to the given information, the sitting arrangement is as shown below:

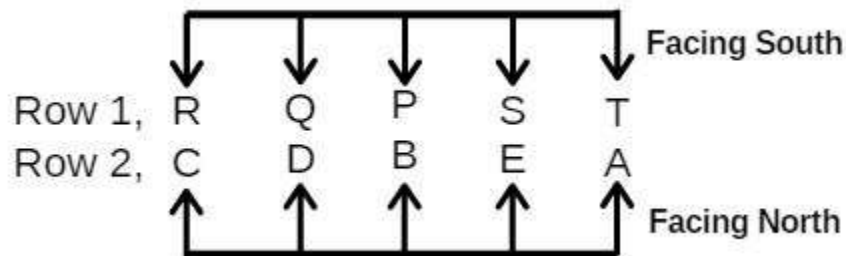


Ques: 70. Four of the following five are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

- (a) T-E
- (b) Q-C
- (c) S-B
- (d) R-A
- (e) P-D

Ans: (d) Except R-A, all others are sitting diagonally opposite to each other.

Solution: According to the given information, the sitting arrangement is as shown below:



Directions (Q. Nos. 71-73) Read the following information carefully and answer the following questions.

- (i) If 'A+B' means 'A is the father of B'.
- (ii) If 'A × B' means 'A is the sister of B'.
- (iii) If 'A \$ B' means 'A is the wife of B'.
- (iv) If 'A % B' means 'A is the mother of B'.

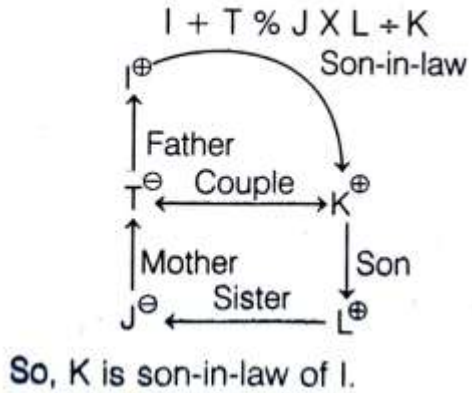
(v) If 'A ÷ B' means 'A is the son of B'.

Ques: 71: . Which among the following options is true, if the expression 'I + T % J × L ÷ K' is definitely true?

- (a) L is the daughter of T
- (b) K is the son-in-law of I
- (c) I is the grandmother of L
- (d) T is the father of J
- (e) J is the brother of L

Solution:

(b) From option (b),

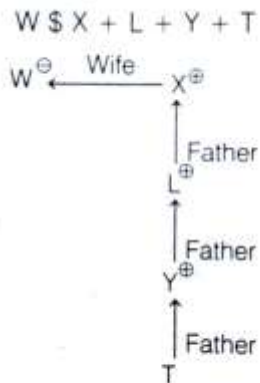


Ques: 72: Which among the following expressions is true, if Y is the son of X is definitely false?

- (a) $W \% L \times T \times Y \div X$
- (b) $W + L \times T \times Y \div X$
- (c) $X + L \times T \times Y \div W$
- (d) $W \$ X + L + Y + T$
- (e) $W \% X + T \times Y \div L$

Solution:

(d) From option (d),



So, expression $W \$ X + L + Y + T$ is definitely false.

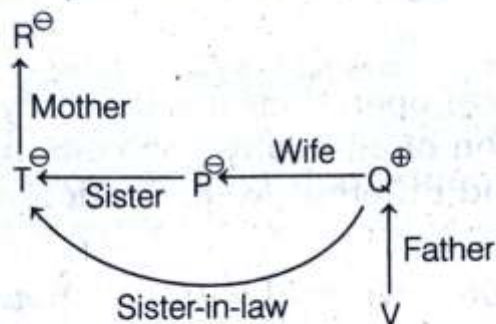
Ques: 73. What should come in place of the question mark, to establish that T is the sister-in-law of Q in the expression?

$R \% T \times P ? Q + V$

- (a) \div
- (b) $\%$
- (c) \times
- (d) $\$$
- (e) Either $\$$ or \times

Solution:

(d) From option (d), $R \% T \times P \$ Q + V$



So, T is the sister-in-law of Q in the given expression.

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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.

Ques:74. Statements:

Some cakes are cream
Some cream is pie
Some pie is apple

Conclusions:

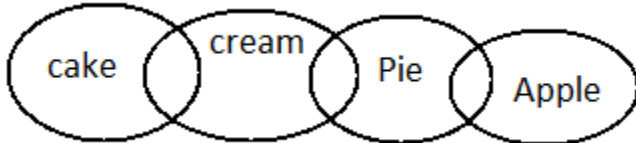
- I. Some apple are cream
- II. Some apple is cake
- III. No apple is cream

- 1) None follows
- 2) Only II and III follows
- 3) Only I follows
- 4) Either I or III follows
- 5) Only III follows

Ans: (74)

Solution:

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: 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.

Ques: 75. Statements:

Only few sandals are slipper
Only few slipper are home
All home are clock
No ring is clock

Conclusions:

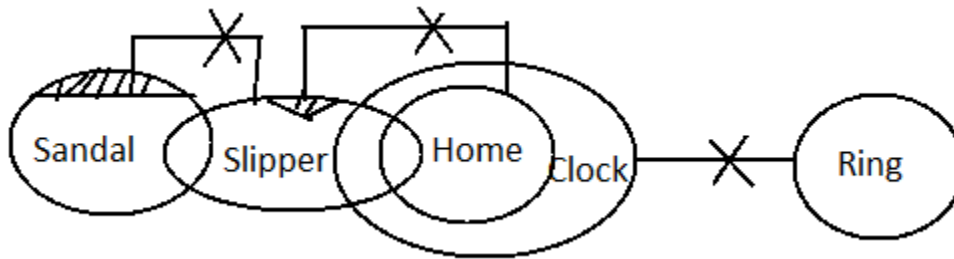
- I. all sandal are slipper
- II. no clock is sandal
- III. all ring being slipper is a possibility

- 1) None follows
- 2) Only II and III follows
- 3) Only I follows
- 4) Either I or III follows
- 5) Only III follows

Ans: (75)

Solution:

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



Conclusions:

- I. all sandal are slipper \rightarrow False (It is possible but not definite)
- II. no clock is sandal \rightarrow False (It is possible but not definite)
- III. all ring being slipper is a possibility \rightarrow True (from Venn diagram)

Thus, **Only III follows.**

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.

Ques: 76. Statements:

- All girl are artist
- Some boys are artist
- All boys are funny

Conclusions:

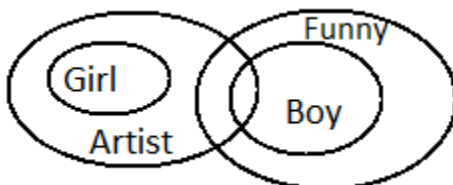
- I. all girls being funny is a possibility
- II. All boys being girl is a possibility
- III. Atleast some artists are funny

- 1) All follows
- 2) Only II and III follows
- 3) Only I follows
- 4) Either I or III follows
- 5) Only III follows

Ans: (76)

Solution:

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



Conclusions:

- I. all girls being funny is a possibility \rightarrow True(it is possible)
- II. All boys being girl is a possibility \rightarrow True(it is possible)
- III. Atleast some artists are funny \rightarrow True (from Venn diagram)

Thus, **All follows.**

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.

Ques: 77. 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: (77)

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: In the following question, the symbols $>$, \odot , $*$, $@$, $\#$ are used with the following meanings as given below:

' $R > Q$ ' means R is not greater than Q

' $R \odot Q$ ' means R is not smaller than Q

' $R ! Q$ ' means R is neither smaller than nor equal to Q

' $R @ Q$ ' means R is neither greater than nor equal to Q

' $R \# Q$ ' means R is neither greater than nor smaller than Q

In the given question, assuming the given statements to be true, find out which of the conclusions is/are definitely true.

Ques: 78. Statements: $N @ B$; $B ! L$; $L > S$; $S ! Z$

Conclusions:

- I. $Z @ L$
- II. $B > S$
- III. $N @ S$
- IV. $B ! S$

- 1) If only conclusion I and IV are True
- 2) If only conclusion III is True
- 3) If either conclusion II or IV is True
- 4) If Neither conclusion I or II is True
- 5) None follows

Ans: (78)

Solution:

R is					
Symbol	>	@	!	@	#
Meaning	\leq	\geq	>	<	=
Than Q					

Given statements: $N @ B$; $B ! L$; $L > S$; $S ! Z$

After decoding, Combined statement: $N < B > L \leq S > Z$

Conclusion:

- I. $Z @ L \rightarrow Z < L \rightarrow$ False (as $L \leq S$ and $S > Z \rightarrow$ thus clear relation between Z and L cannot be determined)
- II. $B > S \rightarrow B \leq \rightarrow$ False (as $B > L$, $L \leq S \rightarrow$ thus clear relation between B and S cannot be determined)
- III. $N @ S \rightarrow N < S \rightarrow$ False (as $N < B$ and $B > L \rightarrow$ thus clear relation between B and S cannot be determined).
- IV. $B ! S \rightarrow B > S \rightarrow$ False (as $B > L$ but $L \leq S \rightarrow$ thus clear relation between B and S cannot be determined).

Note: Only 3 relations are possible between any 2 elements i.e. <, >, =. In conclusion II and IV, all 3 relations are given between B and S. And from statement clear relation between B and S cannot be formed.

Therefore, conclusion II and IV forms complementary pair.

Hence, either II or IV follows.

Ques: 79. Which of the following symbols should be placed in the blank spaces respectively (in the same order from left to right) in order to complete the given expression in such a manner that " $C > H$ " holds definitely True?

$K _ C _ B _ T _ H _ Z$

- 1) $\geq, <, >, <, =$
- 2) $<, =, >, >, \leq$
- 3) $=, <, =, <, <$
- 4) $<, >, <, =, >$
- 5) $=, =, <, \leq, <$

Ans: (79)

Solution:

Let us check each option:

- 1) $K \geq C < B > T < H = Z \rightarrow$ relation between C and H can't be determined.
- 2) $K = C < B = T < H < Z \rightarrow C < H$ (False)
- 3) $K < C = B > T > H \leq Z \rightarrow C > H$ (True)
- 4) $K < C > B < T = H > Z \rightarrow$ relation between C and U can't be determined.

5) $K = C = B < T \leq H < Z \rightarrow C < H$ (False)

Hence, the correct sequence of symbols to satisfy the given condition is " $<, =, >, >, \leq$ ".



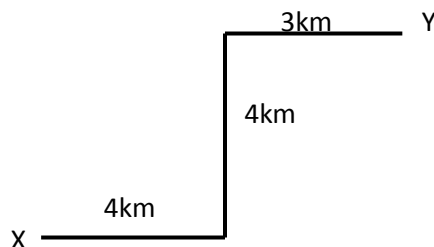
Ques: 80. Anuj starts walking from point X goes 4 km towards East then he takes his left and goes 4 km, at last he takes his right and goes 3 km, reached point Y. He is in which direction point Y with respect to point X?

- 1) North – East
- 2) North – West
- 3) South – West
- 4) East
- 5) West

Ans: 80

Solution:

Anuj starts walking from point X goes 4 km towards East then he takes his left and goes 4 km, at last he takes his right and goes 3 km, reached point Y.

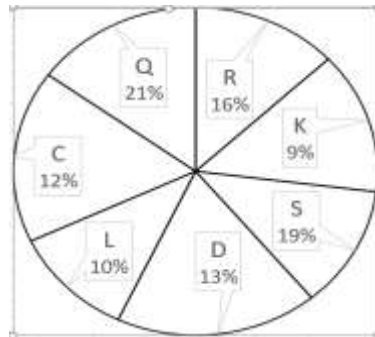
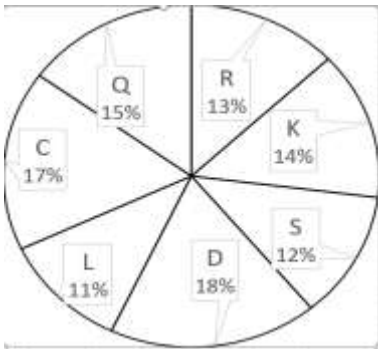


Hence, point Y is in north – east direction with respect to point X.

QUANTITATIVE APTITUDE

Directions: Q.(81 - 85) : Study the two pie-charts below and answer the following questions. The following Pie - charts shows the % distribution of science students and commerce students of seven different schools in a city.

Total Science Students = 8600 Total Commerce Students = 7800



Ques.81: What is the respective ratio between the number of science students and commerce students from schools S, L, Q together?

- (A) 913:1025
- (B) 793:895
- (C) 817:975
- (D) 903:1075
- (E) None of these

Ans. 81: 1 (C) Required ratio = $\frac{(12 + 11 + 15) \times 86}{(19 + 10 + 21) \times 78} = \frac{38 \times 86}{50 \times 78} = \frac{19 \times 43}{25 \times 39} = \frac{817}{975} = 817: 975$

Ques: 82. The total number of science students from school R and D together approximately what percent more than the total number of commerce students from school C and K together?

- (A) 63%
- (B) 68%
- (C) 65%
- (D) 64%
- (E) 61%

Answer.82 (A) Required% = $\frac{(13 + 18) \times 43 - (12 + 9) \times 39}{(12 + 9) \times 39} \times 100$

$$= \frac{(31 \times 43 - 21 \times 39)}{21 \times 39} \times 100$$

$$= \frac{(1333 - 819)}{819} \times 100$$

$$= \frac{514}{819} \times 100$$

$$= 62.7594$$

$$\approx 63\%$$

Ques.83. A student is picked at random then what is the probability that he is either from commerce stream of school D or he is from science stream of school R?

- (A) 0.23
- (B) 0.173

- (C) 0.164
(D) 0.12
(E) None of these

Ans.83 (E) Required probability = $\frac{(13 \times 78 + 13 \times 86)}{(7800 + 8600)} = \frac{(1014 + 1118)}{16400} = \frac{2132}{16400} = 0.13$

Ques.84 What is the difference between the angle of sector corresponding to science students of school D and the angle of sector corresponding to commerce student of school C?

- (A) 16.8°
(B) Cannot be determined
(C) 24.8°
(D) 21.6°
(E) 20.4°

Ans.84 (D) Required difference = $\frac{(18 - 12)}{100} \times 360 = \frac{2160}{100} = 21.60$

Ques.85: What is the difference between the average number of commerce students from school R, D, Q and K together and the average number of science students from school from school C, K, Q, S and L together?

- (A) 36.6
(B) 38.3
(C) 32.4
(D) 42.5
(E) None of these

Ans.85 (E): Required difference = science – commerce

$$= \frac{(17 + 14 + 15 + 12 + 11) \times 86}{5} - \frac{(16 + 13 + 21 + 9) \times 78}{4}$$

$$= \frac{69 \times 86}{5} - \frac{59 \times 78}{4}$$

$$= \frac{5934}{5} - \frac{4602}{4} = 1186.8 - 1150.5 = 36.3$$



Direction (86 - 90): In given table charts, data related to performance of seven cricketers in a tournament. Some values are missing. Study the following table carefully and answer the questions given below.

Batsman	Number of matches played	Average run scored in the tournament	Total number of balls faced in the tournament	Strike rate
Rohit Sharma	-----	-----	650	74
Rishabh Pant	12	-----	-----	186
Virat Kohli	16	38	-----	-----
Hardik Pandya	-----	-----	360	135
Ajinkya Rahane	26	55	-----	-----
Shreyas Iyer	-----	-----	-----	75
Dinesh karthik	-----	-----	720	-----

$$\text{Strike rate} = \frac{\text{Total run scored}}{\text{Ball faced}} \times 100$$

Ques.86: If the respective ratio between the total number of balls faced by Hardik Pandya and Shreyas Iyer is 6:7 respectively, then find the average of the total runs scored by Virat Kohli, Shreyas Iyer and Rohit Sharma in the tournament?

- (A) 498
(B) 442
(C) 516
(D) 468
(E) None of these

Ans.86 (D) Ball faced by Shreyas Iyer = $\frac{360}{6} \times 7 = 420$

Run Scored by Shreyas Iyer = $75 \times \frac{420}{100} = 315$

Run Scored by Virat Kohli = $16 \times 38 = 608$

Run Scored by Rohit Sharma = $74 \times \frac{650}{100} = 481$

Required average = $\frac{(608 + 481 + 315)}{3} = \frac{1404}{3} = 468$

Ques.87 If the run scored by Ajinkya Rahane in last three matches of the tournament are not considered, his average run score in the tournament will decrease by 10 Runs. If the Runs Scored by Ajinkya Rahane in 24th and 25th match are less than 143 and no two scores among these three scores are equal then what are the minimum possible run scored by Ajinkya Rahane in 26th Match?

- (A) 112
- (B) 116
- (C) 118
- (D) 115
- (E) 107

Ans. .87 (A) Total run scored by Ajinkya Rahane = $26 \times 55 = 1430$

Total run scored (excluding last three match) = $23 \times 45 = 1035$

Total run of last three matches = $1430 - 1035 = 395$

For minimum score in 26th match, the score will maximum in 24th and 25th match.

Since, no two scores are equal.

So, run scored by Ajinkya Rahane in 26th Match = $395 - (142 + 141) = 395 - 283 = 112$

Q.88: In the tournament, total number of ball faced by Rishabh Pant is 86 less than the total number of runs scored by him then find the average run scored by Rishabh Pant in the tournament?

- (A) 16.5
- (B) 18
- (C) 15.5
- (D) 17.5
- (E) 15

Ans.88 (C) Let total run scored = r

$$\frac{r}{r-86} \times 100 = 186$$

$$100r = 186r - 86 \times 186$$

$$r = 186$$

$$\therefore \text{Required average} = \frac{186}{12} = 15.5 \text{ run}$$

Ques.89 Find the difference between total run scored by Hardik Pandya and total run scored by Dinesh karthik in all Matches, if strike rate of Dinesh karthik is 20% more than that of Shreyas Iyer?

- (A) 164 Runs
- (B) 156 Runs
- (C) 172 Runs
- (D) 148 Runs
- (E) None of these

Ans. 89 (E) Total run scored by Hardik Pandya = $135 \times \frac{360}{100} = 486$

Total run scored by Dinesh karthik = $720 \times \frac{75 \times \frac{120}{100}}{100} = 72 \times 9 = 648$

∴ Required difference = $648 - 486 = 162$ Runs

Ques .90: If the number of matches played by Hardik Pandya is 25% less than that of Rishabh Pant then the average run scored by Hardik Pandya in the tournament is approximately what percent more or less than the average run scored by Virat Kohli in the tournament?

- (A) 38% less
- (B) 42% more
- (C) 46% more
- (D) None of these
- (E) 40% more

Ans.90 (B) Number of matches played by Hardik Pandya = $12 \times \frac{100-25}{100} = 9$

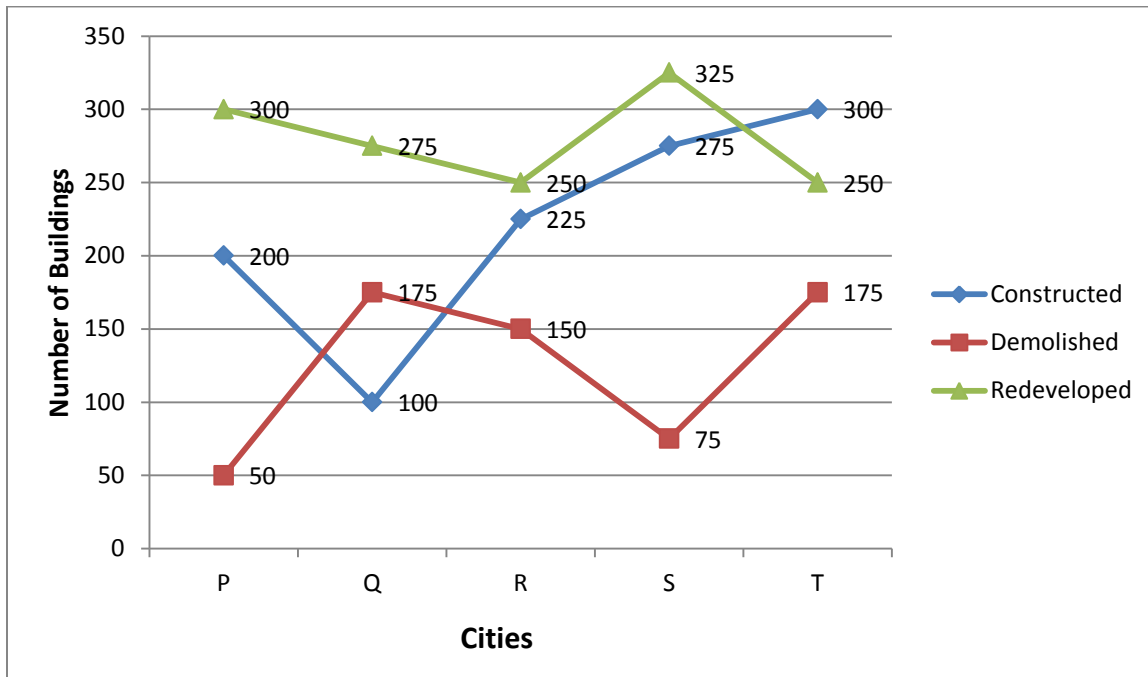
Average run scored by Hardik Pandya in the tournament

$$= \frac{\frac{360 \times 135}{100}}{9} = \frac{486}{9} = 54$$

Required % = $\frac{54-38}{38} \times 100 = 42.1052\% \approx 42\%$ more

Directions(91-95): Study the following Graph carefully and answer the questions given below:

Number of building constructed, demolished and redeveloped across various cities in a year



Ques: 91. What is the difference between the total constructions (constructed, demolished and re city Q and city T?

- (a) 125
- (b) 175
- (c) 180
- (d) 200

Solution : Total construction in City Q = $100 + 175 + 275 = 550$

Total Construction in City T = $175 + 250 + 300 = 725$

Their Difference = $725 - 550 = 175$

Ques: 92. The total number of buildings constructed across the cities is approximately what per cent of the total number of buildings redeveloped across the cities?

- (a) 73
- (b) 74
- (c) 79
- (d) 89

Solution : Total number of buildings constructed across the cities = $200 + 100 + 225 + 275 + 300 = 1100$

Total number of buildings redeveloped across the cities = $300 + 275 + 250 + 325 + 250 = 1400$

Required percentage = $\frac{1100}{1400} \times 100 = 78.57\% = 79\%$

Ques: 93. What is the respective ratio of the number of building demolished in city T to the number of buildings redeveloped in city P?

- (a) 1 : 2
- (b) 2 : 3
- (c) 3 : 5

(d) 7 : 12

Solution : Required Ratio: $175 : 300 = 7 : 12$

Ques: 94. What is the average number of buildings demolished across the cities?

- (a) 115
- (b) 125
- (c) 132
- (d) 135

Solution : Average number of buildings demolished = $\frac{50+75+150+75+175}{5} = \frac{625}{5} = 125$

Q: 95 What is the approximate average number of constructions (constructed, demolished and redeveloped in the city R?

- (a) 198
- (b) 208
- (c) 216
- (d) 222

Solution : Average number of constructions in City R = $\frac{150+225+250}{3} = \frac{625}{3} = 208.33 = 208$

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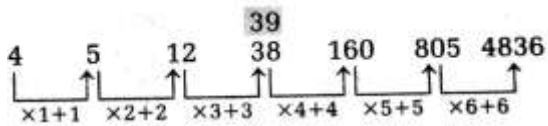
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Ques: 96: In the Following number series only one number is wrong. Find out the wrong Number?

4 5 12 38 160 805 4836

- (a) 12
- (b) 160
- (c) 38**
- (d) 805
- (e) None of these

Solution :



Hence, the wrong number is 38.

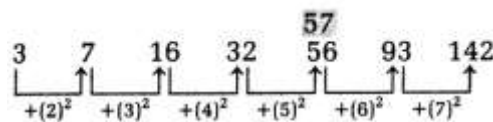
Right number = $12 \times 3 + 3 = 36 + 3 = 39$

Ques: 97. In the Following number series only one number is wrong. Find out the wrong Number?

3 7 16 32 56 93 142

- (a) 56
- (b) 16
- (c) 32
- (d) 7
- (e) None of these

Solution:



Hence, the wrong number is 56.

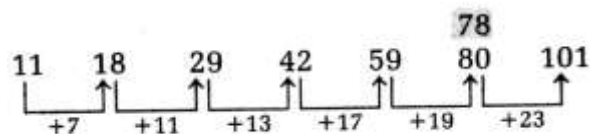
Right number = $32 + (5)^2$
 $= 32 + 25$
 $= 57$

Ques: 98: In the Following number series only one number is wrong. Find out the wrong Number?

11 18 29 42 59 80 101

- (a) 42
- (b) 18
- (c) 29
- (d) 59
- (e) None of these

Solution :



Hence, the wrong number is 78.

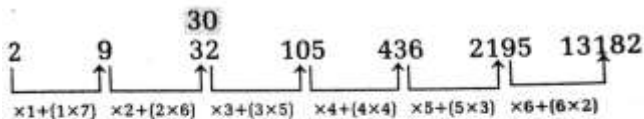
Right number = $59 + 19 = 78$

Ques: 99: In the Following number series only one number is wrong. Find out the wrong Number?

2 9 32 105 436 2195 13182

- (a) 436
- (b) 2195
- (c) 9
- (d) 32**
- (e) None of the above

Solution :



So, the wrong number is 32.

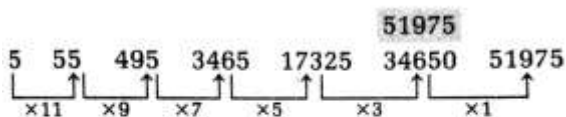
$$\begin{aligned} \text{Right number} &= 9 \times 2 + 2 \times 6 \\ &= 18 + 12 \\ &= 30 \end{aligned}$$

Ques: 100: In the Following number series only one number is wrong. Find out the wrong Number?

5 55 495 3465 17325 34650 51975

- (a) 495
- (b) 34650**
- (c) 55
- (d) 17325
- (e) None of these

Solution :



So, the wrong number is 34650.

$$\begin{aligned} \text{Right number} &= 17325 \times 3 \\ &= 51975 \end{aligned}$$

Directions: Q.(101 - 105) In the following question two equations are given. You have to solve both and establish the relation between given variables.

Ques.101 I: $198x^2 - 240x + 72 = 0$
II: $572y^2 + 172y - 264 = 0$

- (A) $y > x$
- (B) $x > y$

- (C) $x = y$ or no relation
 (D) $y \leq x$
 (E) $x \leq y$

Ans.101 (D) I: $6(33x^2 - 40x + 12) = 0$ **II:** $4(143y^2 + 43y - 66) = 0$
 $33x^2 - 22x - 18x + 12 = 0$ $143y^2 + 121y - 78y - 66 = 0$
 $11x(3x - 2) - 6(3x - 2) = 0$ $11y(13y + 11) - 6(13y + 11) = 0$
 $(3x - 2)(11x - 6) = 0$ $(13y + 11)(11y - 6) = 0$
 $x = \frac{2}{3}, \frac{6}{11}$ $y = \frac{-11}{13}, \frac{6}{11}$
 So, $x \geq y$

Ques.102 I: $6x^2 + 111x + 513 = 0$
II: $14y^2 + 217y + 833 = 0$

- (A) $y > x$
 (B) $x > y$
 (C) $x = y$ or no relation
 (D) $y \leq x$
 (E) $x \leq y$

Ans.102 (A) I: $3(2x^2 + 37x + 171) = 0$ **II:** $7(2y^2 + 31y + 119) = 0$
 $2x^2 + 19x + 18x + 171 = 0$ $2y^2 + 17y + 14y + 119 = 0$
 $x(2x + 19) + 9(2x + 19) = 0$ $y(2y + 17) + 7(2y + 17) = 0$
 $(2x + 19)(x + 9) = 0$ $(2y + 17)(y + 7) = 0$
 $x = -\frac{19}{2}, -9$ $y = \frac{-17}{2}, -7$
 So, $x < y$

Ques.103 I: $96x^2 + 156x + 45 = 0$
II: $40y^2 + 102y + 56 = 0$

- (A) $y > x$
 (B) $x > y$
 (C) $x = y$ or no relation
 (D) $y \leq x$
 (E) $x \leq y$

Ans.103 (C) I: $3(32x^2 + 52x + 15) = 0$ **II:** $2(20y^2 + 51y + 28) = 0$
 $32x^2 + 40x + 12x + 15 = 0$ $20y^2 + 35 + 16y + 28 = 0$
 $8x(4x + 5) + 3(4x + 5) = 0$ $5y(4y + 7) + 4(4y + 7) = 0$
 $(4x + 5)(8x + 3) = 0$ $(4y + 7)(5y + 4) = 0$
 $x = \frac{-5}{4}, \frac{-3}{8}$ $y = \frac{-7}{4}, \frac{-4}{5}$
 So, no relation.

Ques.104 I: $117x^2 - 93x - 84 = 0$
II: $819y^2 + 896y + 245 = 0$

- (A) $y > x$
 (B) $x > y$
 (C) $x = y$ or no relation
 (D) $y \leq x$
 (E) $x \leq y$

Ans.104 (D) I: $3(39x^2 - 31x - 28) = 0$

$$39x^2 - 52x + 21x - 28 = 0$$

$$13x(3x - 4) + 7(3x - 4) = 0$$

$$(3x - 4)(13x + 7) = 0$$

$$x = \frac{4}{3}, \frac{-7}{13}$$

II: $7(117y^2 + 128y + 35) = 0$

$$117y^2 + 65y + 63y + 35 = 0$$

$$13y(9y + 5) + 7(9y + 5) = 0$$

$$(9y + 5)(13y + 7) = 0$$

$$y = \frac{-5}{9}, \frac{-7}{13}$$

So, $x \geq y$



Ques.105 I: $35x^2 + 2030x + 29295 = 0$

II: $25y^2 + 1250y + 15525 = 0$

- (A) $y > x$
 (B) $x > y$
 (C) $x = y$ or no relation
 (D) $y \leq x$
 (E) $x \leq y$

Ans.105 (E) I: $35(x^2 + 58x + 837) = 0$

$$x^2 + 31x + 27x + 837 = 0$$

$$x(x + 31) + 27(x + 31) = 0$$

$$(x + 31)(x + 27) = 0$$

$$x = -31, -27$$

II: $25(y^2 + 50y + 621) = 0$

$$y^2 + 27y + 23y + 621 = 0$$

$$y(y + 27) + 23(y + 27) = 0$$

$$(y + 27)(y + 23) = 0$$

$$y = -27, -23$$

So, $x \leq y$

Directions: Q.(106 - 110) The question given below is followed by some statements. Read the question carefully and determine which of the given statements is/are necessary / required to answer the question.

Ques.106. What is present age of Ramesh?

Statement A: Five years ago, Ramesh's age was double that of his son's age that time.

Statement B: Present age of Ramesh and his son are in the ratio of 11:6 respectively.

Statement C: Five years hence, the respective ratio of Ramesh's age and his son's age become 12:7.

- (1) Only A and B
- (2) Only B and C
- (3) Any two of three
- (4) All are needed
- (5) None of these

Ans.106 (3) From A:

Five years ago, Ramesh's age was double that of his son's age that time.

$$\therefore (\text{Ramesh} - 5) = 2 \times (\text{Son} - 5) \dots\dots(1)$$

From B:

$$\text{Ramesh} : \text{Son} = 11 : 6 \dots\dots(2)$$

From C:

Five years hence, the respective ratio of Ramesh's age and his son's age become 12:7.

$$\frac{\text{Ramesh} + 5}{\text{Son} + 5} = \frac{12}{7} \dots\dots(3)$$

By solving any any two equations from (1), (2) and (3) we will definitely get the answer. So, we can find the answer from any two statements.

Ques.107. A man sells T.V. sets at profit of 25%. How much total amount he gains in profit?

Statement I: He sells 14 T.V. sets.

Statement II: He sells each T.V. set at Rs.20000.

Statement III: He bought a T.V. on a 15% discount.

- (1) Only I and II
- (2) Any two of them
- (3) Only II and III

- (4) I, II and III together
(5) Data Inadequate

Ans.107 (1)

From I:

He sells 14 T.V. sets

From II:

He sells each T.V. set at Rs.20000.

From III:

He bought a T.V. on a 15% discount.

From I and II:

∴ Man sells T.V. sets at profit of 25%.

$$\therefore \text{C.P} = 20000 \times \frac{4}{5} = \text{Rs.}16000$$

$$\therefore \text{Profit on one T.V. set} = 4000$$

$$\therefore \text{Total profit} = 4000 \times 14 = \text{Rs.}56000$$

So, only statement I and II together are sufficient to answer the question.

Ques: 108. What is the rate of interest % per annum?

Statement I: An amount doubles itself at simple interest in 5 years.

Statement II: Difference between the compound interest and simple interest on an amount of Rs.16000 in two years is Rs.640.

- (1) If the statement I alone is sufficient to answer the question, but the statement II alone is not sufficient.
(2) If the statement II alone is sufficient to answer the question, but the statement I alone is not sufficient.
(3) If both statements I and II together are needed to answer the question.
(4) Either the statements I alone or statement II alone is sufficient to answer the question.
(5) If you cannot get the answer from the statements I and II together, but need even more data.

Ans: 108. (4) Let principal = Rs.P and rate of interest is R% per annum.

From I:

An amount doubles itself at simple interest in 5 years.

So, S.I. = $2P - P = \text{Rs.}P$

$$\therefore R = \frac{P \times 100}{P \times 5} = 20\%$$

From II:

Difference between the compound interest and simple interest on an amount of Rs.16000 in two years is Rs.640.

$$\therefore 640 = 16000 \times \frac{R^2}{100^2}$$

$$\frac{R^2}{100^2} = \frac{640}{16000}$$

$$R^2 = 400$$

$$R = 20\%$$

So, either the statements I alone or statement II alone is sufficient to answer the question.

Ques: 109. What is the ratio of the number of boys to the number of girls in the class?

Statement I: The average age of the boys in the class is 29 years and that of the girls is 22 years.

Statement II: Total number of students in the class is 350.

Statement III: The average age of the students of the class is 26 years.

- (1) I and II only
- (2) II and III only
- (3) Any two of I, II and III
- (4) All I, II and III
- (5) I and III only

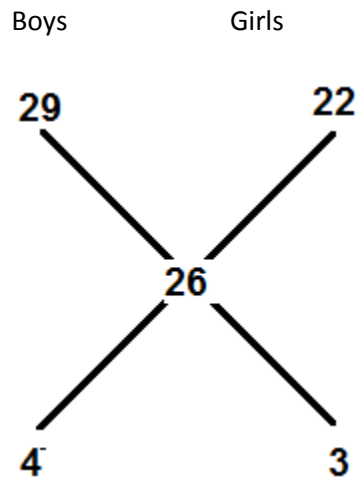
Ans. 109. (5)

From I: The average age of the boys in the class is 29 years and that of the girls is 22 years.

From II: Total number of students in the class is 350.

From III: The average age of the students of the class is 26 years.

From I and III:



∴ Required ratio = 4 : 3

So, only statement I and III together are sufficient to answer the question.

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Ques: 110. What is the speed of the stream?

Statement I: The boat covers 55 km distance in 11 hours moving upstream.

Statement II: The ratio of the speed of the stream and speed of boat in still water is 3:13 respectively.

Statement III: The boat covers 56 km in distance 7 hours moving downstream.

- (1) Only I and II
- (2) Any two of them
- (3) Only II and III
- (4) I, II and III together
- (5) Data Inadequate

Ans: 110. (2) Let the speed of boat in still water is x km/h and speed of stream is y km/h.

From I: The boat covers 55 km. distance in 11 hours moving upstream.

$$\therefore \text{Upstream speed of boat } (x - y) = \frac{55}{11} = 5 \text{ km/h} \dots\dots(1)$$

From II: The ratio of the speed of the stream and speed of boat in still water is 3:13 respectively.

$$\therefore x : y = 3 : 13 \dots\dots(2)$$

From III: The boat covers 56 km. in distance 7 hours moving downstream.

$$\therefore \text{Downstream speed of boat } (x + y) = \frac{56}{7} = 8 \text{ km/h} \dots\dots(3)$$

By solving any any two equations from (1), (2) and (3) we will definitely get the answer. So, we can find the answer from any two statements.

Ques: 111. A dishonest dealer purchases goods at 20% discount of the cost price of Rs. x and also cheats his wholesaler by getting 20% extra through false weighing, per kg. Then he marks up his goods by 80% of x , but he gives a discount of 25% besides he cheats his customer by weighing 10% less than the required. What is his overall profit percentage?

- a) 125%
- b) 100%
- c) 98.66%
- d) 120%
- e) None of these

Ans. Option A

Let the actual cost price of an article be Rs.1 (in place of x)

Now, he purchases goods worth Rs.120 and pays Rs.80, since 20% discount is allowed.

So, the CP = $80/120 = 2/3$

Again MP = 180, SP = 135 (since 25% discount)

Thus, the trader sells goods worth Rs.90 instead of 100 g and charges Rs.135. Therefore the effective SP = $135/90 = 3/2$

So, profit % = $(3/2 - 2/3) / (2/3) \times 100 = 125\%$

Ques: 112. A trader mixes three varieties of groundnuts costing Rs.50, Rs.20 and Rs.30 per kg in the ratio 2 : 4 : 3 in terms of weight, and sells the mixture at Rs.33 per kg. What percentage of profit does he make?

- a) 8%
- b) 9%
- c) 10%
- d) 11%
- e) None of these

Ans. Option C

Suppose he bought 2 kg, 4 kg and 3 kg of the three varieties.

C.P. of 9 kg = Rs. $(2 \times 50 + 4 \times 20 + 3 \times 30) = \text{Rs.}270$

S.P. of 9 kg = Rs. $(9 \times 33) = \text{Rs.}297$

So, profit % = $[27/270 \times 100]\% = 10\%$

Ques: 113: A sum of money trebles itself in 15 years 6 months. In how many years would it double itself?

- a) 6 years 3 months
- b) 7 years 9 months
- c) 8 years 3 months
- d) 9 years 6 months
- e) None of these

Ans. 113: (B)

Let sum = x. Then, S.I. = 2x, Time = 15 (1/2) years = 31 / 2 years

So, rate = $[100 \times \frac{2x}{x} \times (31/2)]\% = 200 / 31\%$

Now, sum = x, S.I. = x, Rate = 200 / 31%

So, time = $100 \times \frac{x}{x} \times (200/31) = 155 / 20 \text{ years} = 7 \text{ years } 9 \text{ months}$

Ques 114. Rambo took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If he paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?

- a) 3.6
- b) 6
- c) 18
- d) Data inadequate

e) None of these

Ans: 114. (B)

Let rate = R% and time = R years

Then, $[1200 \times R \times R / 100] = 432$

$$12 \times r^2 = 432$$

$$R^2 = 36$$

$$R = 6$$

Ques: 115. In a business, A, B and C invested capitals in the ratio of 0.7: 0.49: 0.343. Find the total profit at the end of a year if B's share in the profit is Rs.35000, where A and B invested for the whole year and C withdrew 1/7 of his capital after six months?

- 1) Rs. 106520
- 2) Rs. 107750
- 3) Rs. 102469
- 4) Rs. 104523
- 5) Rs. 104320

Ans: 115

Solution:

The ratio of invested capitals of A, B and C:

$$= 0.7 \times 12 : 0.49 \times 12 : 0.343 \times 6 \times (1 + 6/7)$$

$$= 200 : 140 : 91$$

B's share in the profit = 35000

$$\frac{140}{431} \times \text{Total profit} = 35000$$

$$\text{Total profit} = \frac{35000 \times 431}{140} = \text{Rs. } 107750$$

Ques: 116. Some sweets are divided among P, Q, R and S. P gets twice the number of sweets that Q gets. R gets the same number of sweets as S gets. If P gets 25 sweets more than S and the ratio of the number of sweets that Q and R get is 2: 3, then find the number of sweets that S gets?

- 1) 100
- 2) 50
- 3) 25
- 4) 75
- 5) 70

Ans: 116

Solution:

Let the number of sweets that P, Q, R and S get be p, q, r and s respectively.

$$p : q = 2 : 1$$

$$p = r + 25 \quad (2)$$

$$q: r = 2: 3$$

$$\therefore p: q: r: s = 4: 2: 3: 3$$

From equation (2)

$$p - r = 25$$

$$4x - 3x = 25$$

$$x = 25$$

Hence, S gets = $3x = 3 \times 25 = 75$ sweets.

Ques: 117. A spherical ball of radius 12cm is recast into 64 spherical balls of equal radii. What is the change in percentage in its total surface area?

- 1) 180%
- 2) 300%
- 3) 100%
- 4) 200%
- 5) 120%

Ans: 117

Solution:

$$64 \times \frac{4}{3} \times \pi \times r^3 = \frac{4}{3} \times \pi \times (12)^3$$

$$r^3 = \frac{12 \times 12 \times 12}{64} = 27$$

$$r = 3\text{cm}$$

$$\text{Total surface area of the largest spherical ball} = 4 \times \pi \times (12)^2 = 576 \pi \text{ cm}^2$$

$$\text{Total surface area of the 64 spherical balls} = 64 \times 4 \times \pi \times (3)^2 = 2304 \pi \text{ cm}^2$$

$$\text{Percentage increase in the total surface area} = \frac{2304 \pi - 576 \pi}{576 \pi} \times 100 = 300\%$$

Ques: 118. If Rs.9216 is required to paint a squared floor at some rate per m^2 , then how much would it cost to paint at the same rate a rectangular floor of whose length is twice the side and whose width is one-third of the side of the squared floor?

- 1) Rs.5824
- 2) Rs.5322
- 3) Rs.6144
- 4) Rs.6500
- 5) Rs.6400

Ans: 118

Solution:

Let the rate of painting be p per m^2

Then, area of the squared floor:

$$a^2 = \frac{9216}{p}$$

$$a^2 p = 9216$$

Length of the rectangular floor = $2a$

Breadth of the rectangular floor = $a/3$

$$\text{Area} = \text{Length} \times \text{Breadth} = 2a \times \frac{a}{3} = \frac{2a^2}{3}$$

$$\text{Required cost of painting} = \frac{2a^2 p}{3} = \frac{2}{3} \times 9216 = \text{Rs. } 6144$$



Ques: 119. A bag contains 8 red marbles and 6 blue marbles. Four marbles are drawn out one by one and not replaced. What is the probability that they are alternatively different marbles?

- 1) 10/143
- 2) 26/110
- 3) 15/120
- 4) 20/143
- 5) 25/143

Ans: 119

Solution:

Case 1:

If first marble is red then blue then red then blue:

Total marbles: 14

$$\text{Probability: } \frac{8}{14} \times \frac{6}{13} \times \frac{7}{12} \times \frac{5}{11} = \frac{10}{143}$$

Case 2:

If first marble is blue then red then blue then red:

Total marbles: 14

$$\text{Probability: } \frac{6}{14} \times \frac{8}{13} \times \frac{5}{12} \times \frac{7}{11} = \frac{10}{143}$$

$$\text{Final probability} = \frac{10}{143} + \frac{10}{143} = \frac{20}{143}$$

Ques: 120. From a pack of cards two cards are drawn one after the other with replacement. Find the probability that the first is a black card and second is a king?

- 1) 1/26
- 2) 1/13
- 3) 11/26
- 4) 15/26
- 5) 13/23

Ans: 120

Solution:

Total number of cards = 52

Probability of a black card = $26/52 = \frac{1}{2}$

Probability of card king with replacement = $4/52 = 1/13$

Probability = $\frac{1}{2} \times \frac{1}{13} = \frac{1}{26}$

ENGLISH LANGUAGE

Direction (121-130): Read the passage carefully and answer the questions given below it. There are some blanks given in the passage based on which some questions are framed, and some words are highlighted as well to help you answer some of the questions.

World Bank has offered to give financial assistance to the last remaining portion of the Eastern Dedicated **(A)Freight** Corridor between Sonnagar and Dankuni, which India is originally slated to construct in Public-Private Partnership (PPP) mode. The DFC has also got the green signal from Railways to allow private freight trains in its corridors, if companies come forward with such propositions. World Bank's interest in funding the 528-km stretch Bihar's Sonnagar and West Bengal's Dankuni of the corridor has now presented Indian Railways with the option to do course correction and go for financial assistance in **(B)**. The entire EDFC is being built with a loan from World Bank, except for the last portion, between Bihar and West Bengal. The project documents detailing the PPP model for the stretch has gone to the Finance Ministry's PPP Appraisal Committee which vets all such projects in government. "World Bank has offered (financial assistance) to us, because the project is very viable. But we have sent documents to the PPPAC as well. We will take a call," AnuragSachan, Managing Director of Dedicated Freight Corridor Corporation Limited (DFCCIL) said Friday.

"We will be floating Request for Qualification for private players to come forward. Now we have this choice of going for the World Bank assistance as well," he said adding that private players have indicated that financial closure of something like Rs 9,000 crore for, say, a stretch like Sonnagar to Gomoh, on their own might be difficult. World Bank's Senior Transport Specialist AtulAgarwal said that this was a way for the bank to facilitate private players in the project. "Of course, the proposal has to formally come from the government. But what we have said is that we would be open to facilitating entry of private players in the project through **(C)viability** gap funding. It is a good effort and we would be willing to help in whatever way we can.

Ques: 121. What is the main purpose of the passage?

- A) World Bank offers funds for freight corridor between Bihar and West Bengal
- B) World Bank 'pandemic bonds' plummet in value
- C) India needs to invest \$109 billion to halve its road crash fatalities in next decade
- D)The world bank paper at the centre of a controversy
- E) None of these.

Answer: (A)

Most of the passage explains the World Bank's interest in funding the 528-km stretch Bihar's Sonnagar and West Bengal's Dankuni of the corridor has now presented Indian Railways with the option to do course correction and go for financial assistance.

None of the other choices B) and D) fit in the context of the passage while Option C) is unrelated to the passage.

Ques: 122. For which of the following words does the author provide a definition?

- A) Financial bank assistance
- B) EDFC
- C) DFCCIL
- D) world bank
- E) None of these

Answer: D

The specific detail question tests your understanding of a definition. Only the World Bank is defined. The choice A), B), C) and E) even though mentioned in the passage, are not defined.

Ques: 123. What is the purpose in mentioning 'financial assistance'?

- A) Receivers of grants do not have to pay back the money.
- B) Adverts based on your use of FT sites.
- C) Monetary help or aid that a person, organization, or government receives.
- D) Save a dying company by injecting money.
- E) None of these.

Answer: C

Financial assistance is any type of monetary help or aid that a person, organization, or government receives. The financial assistance may be in the form of guarantees, loans, cost-sharing arrangements, subsidies, or welfare payments. Tax allowances, grants, and government bailouts of struggling companies are also examples of financial assistance. Hence option C) is correct.

Ques: 124. According to the passage, who is the senior convey expert of World Bank?

- A) Prime Minister
- B) Executive of world bank
- C) Anurag Sachan
- D) Atul Agarwal
- E) None of these

Answer: D

According to the passage, world transport specialist is Atul Agarwal. None of the other option is correct. Hence Option D is correct.

Ques: 125. What is the meaning of PPP model, according to the passage?

- A) public-private partnerships
- B) Public property partnership
- C) Private party partnership
- D) People party for partnership
- E) None of these

Answer: A

When governments choose to use public-private partnerships (PPPs), the World Bank Group helps ensure they're designed well, benefit from a balanced regulatory environment and good governance, and are fiscally sustainable. We aim to foster better, more efficient public services and infrastructure.

Ques: 126. Choose the option which is most similar to the word marked (A) in the paragraph.

- A) Unburden
- B) Ease
- C) Encumber
- D) Elate
- E) None of these

Answer: C

Option C) is correct; 'Averred' is the suitable synonym of the given word.

Option A), B) is incorrect; this keyword is the antonym of the given word.

Option D) is unrelated to the given word.

Ques: 127. Choose the option which is most opposite to the word marked (C) in the paragraph.

- A) Plausible
- B) Doable
- C) Impractical
- D) Isle
- E) None of these

Answer: C

Option C) is correct; 'Impractical' is the suitable antonym of the given word

Option A) and B) is incorrect; they are synonyms of the given word.

Option D) is unrelated to the given word, whose meaning is 'an island or peninsula, especially a small one'.

Ques: 128. Choose the option which is most similar to the Underlined marked (B) in the paragraph that fit in the sentence to make it grammatically and contextually correct.

A) that financial closure of something like Rs 9,000 crore for, say, a stretch like Sonnagar to Gomoh, on their own might be difficult.

B) the huge capacity being created in the two corridors, the Railway ministry has given the nod to the company to accommodate private freight trains as well and levy track access charges.

C) that we would be open to facilitating entry of private players in the project through viability gap funding.

D) the form of a viability gap funding or carry on as planned and invite players to bring in the capital.

E) None of these

Answer: D

World Bank's interest in funding the 528-km stretch Bihar's Sonnagar and West Bengal's Dankuni of the corridor has now presented Indian Railways with the option to do course correction and go for financial assistance in the form of a viability gap funding or carry on as planned and invite players to bring in the capital.

Ques: 129. Which of the following options is false according to the passage?

A) The report titled "Delivering Road Safety in India" was released at the 'Third Global Ministerial Conference on Road Safety' in Stockholm.

- B)** The national highways alone claim one life a year for every two kilometers. This is ten times higher than the developed country threshold. Road crashes also impact economic growth, costing the economy between 3 to 5 per cent of GDP a year, it said.
- C)** It points to the high death rate on India's roads caused by chronic lack of investment in systemic, targeted, and sustained road safety programmers and identifies relevant investment priorities to reverse the trend.
- D)** India has one of the highest rates of road crashes in the world. Every year, about 150,000 people lose their lives on India's roads, and more than five times that number are injured or maimed for life, the report said.
- E)** None of these.

Answer: E

No one option fit here according to the passage. All option meaning with India needs to invest \$109 billion to halve its road crash fatalities in next decade.

Ques: 130. Which of the following is/are correct according to the passage?

- I.** Historically, when countries reached motorization levels of between 50–100 vehicles per 1,000 people, road crashes became one of the leading causes of death and injuries. Improving road safety was then recognized as a national development priority," said Arnab Bandyopadhyay, Lead Transport Specialist, World Bank.
- II.** To better monitor the effectiveness of road safety efforts, the report recommends a shared regional initiative to harmonies crash data management and analysis systems across South Asia.
- III.** Tamil Nadu has already rolled out a Geographical Information Systems (GIS-based) programmer to map road accidents state-wide, identify the most crash-prone hot spots, and pinpoint corrective action, the report said.

- A) Only III
B) Only II
C) I and II
D) II and III
E) None of these



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Answer: E

All statement is incorrect. All statements state that India needs to invest \$109 billion to halve its road crash fatalities in next decade. The report titled "Delivering Road Safety in India" was released at the 'Third Global Ministerial Conference on Road Safety' in Stockholm. It points to the high death rate on India's roads caused by chronic lack of investment in systemic, targeted, and sustained road safety programmers and identifies relevant investment priorities to reverse the trend.

Hence option E is correct.

A sentence is provided with certain words concealed marked as (A), (B) and (C). One word is suggested against each blank. If all the words are correct but they are not in the correct sequence as per the blanks, then mark (4) as your answer. If all the words suggested are correct, then mark (5) as your answer. Choose the best option and mark your answer accordingly:

Ques: 131. Concerned over rising NPAs of banks, a Parliamentary panel asked the government to take urgent _____ (A) measures to reduce the volume of _____ (B) assets in the system and strengthen its _____ (C) mechanism.

A) vigilance B) Remedial C) stressed

- 1- only A and B fit
- 2- only C fits
- 3- only B fits
- 4- sequence can be altered
- 5- all are correct

Solution: (4) words are correct but the sequence should be changed to get the correct meaning.

Ques: 132. the Committee opined that merely issuing of guidelines or advisories by the government or the RBI for _____ (A) the incidences of fraud relating to NPAs do not seem to have _____ (B) the desired results and the RBI — being a Regulator — does not seem to have succeeded insofar as implementation and _____ (C) of its own guidelines is concerned

A) averting B) prevent C) enforcement

- 1- only A and B fit
- 2- only A and C fits
- 3- only C fits
- 4- sequence can be altered
- 5- all are correct

Solution: (2) prevent is grammatically incorrect as the desired results should not be prevented it will be yielded. Hence only A and C fit in the sentence.

Ques: 133. Experience is the name the _____ (A) give to their mistakes. Through lessons _____ (B) from Modvat and later from VAT, it would be simple, even now, to _____ (C) what GST would bring about.

A) wise B) learned C) gauge

- 1- only A and B fit
- 2- only A and C fits
- 3- only C fits
- 4- sequence can be altered
- 5- all are correct

Solution: (5)

Ques: 134. The Reserve Bank of India (RBI) has once again clarified that prompt correction action (PCA) is _____ (A) to _____ (B) banks to _____ (C) their financial health.

A) Imposed B) discourage C) worse

- 1- only B and C fit
- 2- only A and C fits
- 3- only A fits
- 4- sequence can be altered
- 5- all are correct

Solution: (3) PCA is not introduced to discourage and worse the financial health of banks. So both the words are logically incorrect. Hence only A is correct.

Ques: 135. The PCA framework is intended to encourage banks to _____ (A) certain riskier activities and focus on _____ (B) capital so that their balance sheets can become _____ (C)

A) Eschew B) conserving C) weaker

- 1- only A and B fit
- 2- only A and C fits
- 3- only C fits
- 4- sequence can be altered
- 5- all are correct

Solution: (1) weaker is incorrect as with the help of PCA balance sheets can become stronger. Hence the words in A and B fits in the sentence.

Direction (136-140): In the following passage, certain words which may be either contextually or grammatically incorrect have been highlighted and numbered. For each highlighted four alternatives are provided that could replace the highlighted word to make the sentence both grammatically and contextually correct. Option corresponding to that word will be your answer. If none of the given options could replace the highlighted word then choose option (E), i.e. 'None of these' as your answer.

In its 2020 budget, the central government has **hesitant(1)** to divest (reportedly 10% of) its ownership in India's insurance behemoth, the Life Insurance Corporation of India (LIC) through an initial public offering (IPO) to be floated in the next fiscal year. This, understandably, is in line with the government's (belligerent) **ambiguous(2)** and asset monetisation strategy, and as per media reports, the IPO is expected to amass about a third of the total disinvestment target of `2.1 trillion set by the government for the financial year 2021. Listing the LIC, however, is not the **thwart(3)** of

the current government. While predecessor governments had toyed with the idea, they had refrained from actual implementation. Notwithstanding the **balk(4)** of the corporation's structure and its investment portfolios, such forbearance also lies in the very fact that being 100% under government ownership, the LIC could be a ruling government's "milch cow" for funding and bailing out public sector enterprises in crises. Other than an official statement, how different is the current government's **aid(5)** for LIC's listing from such sentiments of its predecessors, in reality?

Ques: 136. In its 2020 budget, the central government has hesitant(1) to divest (reportedly 10% of) its ownership in India's insurance behemoth, the Life Insurance Corporation of India (LIC) through an initial public offering (IPO) to be floated in the next fiscal year.

- A) sluggish
- B) proposed
- C) tardy
- D) stern
- E) None of these

Answer: B

Solution:

In the given sentence, 'proposed' should replace 'hesitant' to make the sentence both grammatically and contextually correct.

Option A): is incorrect because sluggish means slow-moving or inactive which does not fit here.

Option B): is the correct alternative among the following as 'proposed' fit here both grammatically and contextually

Option C): is incorrect as tardy means delaying or delayed beyond the right or expected time; late.

Option D): is incorrect as stern does not fit here contextually.

Ques: 137. This, understandably, is in line with the government's (belligerent) ambiguous(2) and asset monetisation strategy, and as per media reports, the IPO is expected to amass about a third of the total disinvestment target of `2.1 trillion set by the government for the financial year 2021.

- A) disinvestment
- B) severe
- C) draconian
- D) derive
- E) None of these

Answer: A

Solution:

In the given sentence, 'disinvestment' should replace 'ambiguous' to make the sentence both grammatically and contextually correct.

Option A): is the correct alternative among the following as 'disinvestment' fit here both grammatically and contextually

Option B): is incorrect as severe does not make any sense here.

Option C): is incorrect as draconian means (of laws or their application) excessively harsh and severe.

Option D): is incorrect as 'derive' does not fit here contextually.

Ques: 138. Listing the LIC, however, is not the thwart(3) of the current government.

- A) infer
- B) forfeit
- C) derive
- D) brainchild
- E) None of these

Answer: D

Solution:

In the given sentence, 'brainchild' should replace 'thwart' to make the sentence both grammatically and contextually correct.

Option A): is incorrect because infer does not fit here.

Option B): is incorrect as forfeit means lose or be deprived of (property or a right or privilege) as a penalty for wrongdoing which does not make any sense here.

Option C): is incorrect as 'derive' does not fit here.

Option D): is the correct alternative among the following as 'brainchild' fits here both grammatically and contextually.

Ques: 139. Notwithstanding the balk(4) of the corporation's structure and its investment portfolios, such forbearance also lies in the very fact that being 100% under government ownership, the LIC could be a ruling government's "milch cow" for funding and bailing out public sector enterprises in crises.

- A) cognitive
- B) illogical
- C) sheer
- D) moderate
- E) None of these

Answer: E

Solution:

In the given sentence, 'complexities' should replace 'balk' to make the sentence both grammatically and contextually correct.

Option A): is incorrect because cognitive means relating to cognition which does not fit here.

Option B): is incorrect as illogical does not make any sense here.

Option C): is the incorrect as 'sheer' does not fit here.

Option D): is incorrect as moderate does not fit here contextually.

Ques: 140. Other than an official statement, how different is the current government's aid(5) for LIC's listing from such sentiments of its predecessors, in reality?

- A) utter
- B) crisis
- C) rationale
- D) wonder
- E) None of these

Answer: C

Solution:

In the given sentence, 'rationale' should replace 'aid' to make the sentence both grammatically and contextually correct.

Option A): is incorrect because utter means complete; absolute which does not fit here.

Option B): is incorrect as 'crisis' does not fit here.

Option C): is the correct alternative among the following as 'rationale' fit here both grammatically and contextually.

Option D): is incorrect as wonder does not fit here contextually.

Direction (141-145): The following question consists of a sentence which is divided into three parts which contain grammatical errors in one or more than one part of the sentence, as specified in bold in each part. If there is an error in any part of the sentence, find the correct alternative to replace those parts from the three options given below each question to make the sentence grammatically correct. If the given sentence is grammatically correct or does not require any correction, choose (E), i.e "No correction required" as your answer.

Ques: 141. In the case of Bangladesh, a most prominent factor has been(a)/ the country's ability to dissolving inequalities through sustained investment(b)/ in public services and the bridging of social and gender distances.(c)/

- a) the most prominent factor
- b) to dissolve inequalities
- c) the bridging from

- A) only a
- B) both a and b

- C) only c
- D) both b and c
- E) No correction required

Answer: B

Solution:

Statement a is incorrect as 'a' should be replaced with 'the' as sentence is in superlative degree, Statement b is incorrect as 'dissolving' should be replaced with 'dissolve'. So option B will be the correct choice.

Ques: 142. Almost three decades after putative power sector reforms, (a)/the stodgy state power utilities, the vertically integrated state electricity boards (SEBs), (b)/may have gainfully broken up into separate entities for generation, supply and distribution to shore up much needed transparency.(c)/

- a) three decades before
- b) the vertical integrated
- c) have been gainfully broken up

- A) only a
- B) both a and b
- C) only c
- D) both b and c
- E) No correction required

Answer: C

Solution:

Statement c is incorrect as 'have' should be replaced with 'have been'. So option C will be the correct choice.

Ques: 143. It is facile to made the argument that the Court sided with (a)/the government because the latter is strapped for resources since economic growth, (b)/spectrum auctions, disinvestment and tax revenues have all flattered to deceive.(c)/

- a) facile to make the argument
- b) the latter is strapped of
- c) have all flattered for

- A) only a
- B) both a and b
- C) only c
- D) both b and c
- E) No correction required





Answer: A

Solution:

Statement a is incorrect as 'made' should be replaced with 'make'. So option A will be the correct choice.

Ques: 144. The day that Delhi delivered **a verdict that swept away** all the diatribes about "anti-national" protesters (a)/**who must be rewarded** with bullets, Uber reinstated a driver in Mumbai who was suspended earlier this month for secretly taping the phone (b)/conversation of a passenger, **and using it to present him** to the police as an "anti-national".(c)/

- a) a verdict that swept on
- b) who must be reward
- c) and using it for present him to

- A) only a
- B) both a and b
- C) only c
- D) both b and c
- E) No correction required

Answer: E

Solution:

All bold parts are correct. So option E will be the correct choice.

Ques: 145. The latest order is in line with **a series of judgments** aimed at preserving the purity of the election process:(a)/ directions to ensure the asset disclosure and criminal records of candidates, **the incorporation of** the

'none of the above' option(b)/ in the voting machine, and the invalidation of a clause that protected sitting legislators from immediate disqualify after conviction.(c)/

- a) a series of judgment
- b) the incorporate of
- c) from immediate disqualification

- A) only a
- B) both a and b
- C) only c
- D) both b and c
- E) No correction required

Answer: C

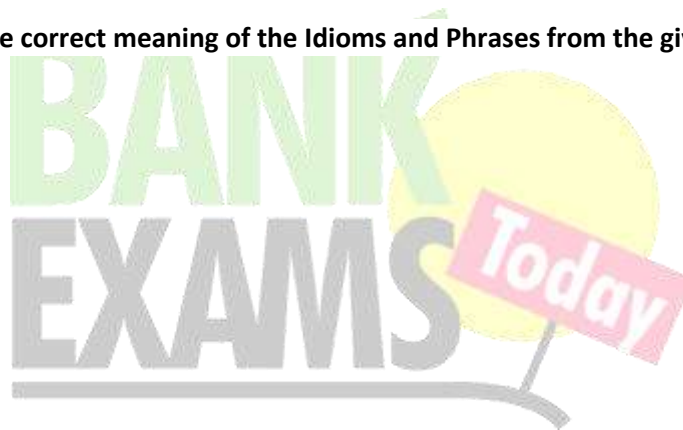
Solution:

Statement c is incorrect as 'disqualify' should be replaced with 'disqualification'. So option C will be the correct choice.

Directions (146-150). Select the correct meaning of the Idioms and Phrases from the given options.

Ques: 146. A wee bit

- 1. In short span
- 2. A little
- 3. A part
- 4. Anger
- 5. None of these



Answer- (2)

Meaning of A wee bit is "A little".

Ques: 147. Burn the midnight oil.

- 1. To use oil
- 2. To lighten up everything
- 3. To destroy something
- 4. To work or study hard
- 5. None of these

Answer- (4)

Meaning of the Phrase is "to study or work hard".

Ques : 148. Bark up the wrong tree.

- 1. To accuse a wrong person

2. To say something wrong.
3. To portray a different personality.
4. To give wrong advice.
5. None of these.

Answer- (1)

The correct meaning of the given idiom/phrase is to accuse a wrong person.

Ques: 149. Out of Question

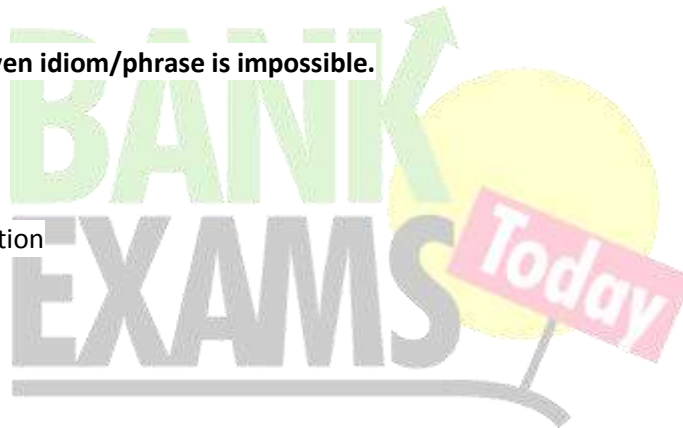
1. Out of Syllabus
2. To ask wrong question
3. Something impossible
4. Out of scope
5. None of these

Answer- (3)

The correct meaning of the given idiom/phrase is impossible.

Ques: 150. Be in a tight corner

1. To be in a congested place
2. To be in a very difficult situation
3. To be in tough deadlines
4. To have less time
5. None of these



Answer- (2)

The correct meaning of the given idiom/phrase is to be in a very difficult situation.

Directions: (151-155) In the following question, a sentence is divided into parts. Rearrange the parts to form a meaningful sentence.

Ques: 151. It is beyond question that (A)/if they are provided a properly designed environment (B)/children will be benefitted greatly (C)/to acquire cognitive skills (D).

- 1.DABC
- 2.ACBD
- 3.ADCB
- 4.DACB
- 5.No rearrangement required.



Answer- 2

Explanation- It is beyond question that children will be benefitted greatly if they are provided a properly designed environment to acquire cognitive skills.

Ques: 152. As a young Portuguese noble (A)/ he served the king of Portugal but(B)/ intrigue at court and lost the king's favor (C)/he became involved in the quagmire of political(D)

1. ACBD
2. DCBA
3. ADCB
4. ABDC
5. No rearrangement required.

Answer- 4

Explanation- As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor.

Ques: 153. Resulting in four and five year olds (A)/accounting for a quarter of government school enrolment (B)/ and over 15% in private schools (C)/ Official policies are also not strict about the age of entry (D).

1. DBCA
2. ADBC
3. DABC
4. CABD
5. No rearrangement required

Answer- 3

Explanation-Official policies are also not strict about the age of entry, resulting in four and five year olds accounting for a quarter of government school enrolment, and over 15% in private schools.

Ques: 154. Magellan became involved (A)/ in an insular conflict in (B)/the Philippines and was (C)/ killed in a tribal battle (D).

1. DBCA
2. ADBC
3. DABC
4. CABD
5. No rearrangement required

Answer- 5

Explanation- Sentence is correct and no rearrangement is required.

Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle.

Ques: 155. Sportsmanship can be conceptualized as (A)/ disposition such that individuals differ in the way (B)/ an enduring and relatively stable characteristic or (C)/they are generally expected to behave in sports situations (D).

1. ACBD
2. DABC
3. ADCB
4. CABD
5. No rearrangement required



Answer-1

Explanation- Sportsmanship can be conceptualized as an enduring and relatively stable characteristic or disposition such that individuals differ in the way they are generally expected to behave in sports situations.

Ques 156. Choose the synonym of the word bold in the following sentence.

While in prison the man did nothing but repine for his freedom

1. While in prison the man did nothing but **Exception** for his freedom
2. While in prison the man did nothing but **Fret** for his freedom
3. While in prison the man did nothing but **Rejoice** for his freedom
4. While in prison the man did nothing but **Repented** for his freedom
5. While in prison the man did nothing but **prayed** for his freedom

Answer- (2)

Fret is the synonym for repine.

Repine means to feel or express discontent. All the other options are completely different from the word. Rejoice is the antonym for Repine.

Ques: 157. Choose the antonym of the word bold in the following sentence.

His response was immediate and **emphatic**.

1. His response was immediate and **affirm**.
2. His response was immediate and **equivocal**.
3. His response was immediate and **idle**.
4. His response was immediate and **unsure**.
5. His response was immediate and **vague**.

Answer- (4)

Unsure is most opposite in meaning to Emphatic.

Emphatic means expressing something forcibly and clearly. All the other options are the synonyms for Emphatic.

Ques: 158. Choose the synonym of the word bold in the following sentence.

The **adequacy** of the security arrangements has been questioned.

1. The **Insufficiency** of the security arrangements has been questioned.
2. The **Competence** of the security arrangements has been questioned.
3. The **Prejudice** of the security arrangements has been questioned.
4. The **Power** of the security arrangements has been questioned.
5. The **exactness** of the security arrangements has been questioned.

Answer- (2)

Competence is most similar in meaning to the word Adequacy.

Adequacy means to be adequate. Insufficiency is the antonym for Adequacy.



Ques: 159. Choose the synonym of the word bold in the following sentence.

The state will soon **extradite** Cal to the island nation where he is wanted for assaulting a young girl.

1. The state will soon **hold** Cal to the island nation where he is wanted for assaulting a young girl.
2. The state will soon **oppose** Cal to the island nation where he is wanted for assaulting a young girl.
3. The state will soon **acknowledge** Cal to the island nation where he is wanted for assaulting a young girl.
4. The state will soon **derive** Cal to the island nation where he is wanted for assaulting a young girl.
5. The state will soon **expel** Cal to the island nation where he is wanted for assaulting a young girl.

Answer- (5)

Expel is most similar to meaning to the word Extradite.

Extradite means to hand over (a person accused or convicted of a crime) to the jurisdiction of the foreign state in which the crime was committed. Hold is the antonym for Extradite.

Ques: 160. Choose the antonym of the word bold in the following sentence.

You can never **unravel** the complexity of Cancer's emotional makeup.

1. You can never **crack** the complexity of Cancer's emotional makeup.
2. You can never **resolve** the complexity of Cancer's emotional makeup.
3. You can never **tangle** the complexity of Cancer's emotional makeup.
4. You can never **decipher** the complexity of Cancer's emotional makeup.
5. You can never **settle** the complexity of Cancer's emotional makeup.

Answer- (3)

Tangle is most opposite in meaning to the word Unravel.

Unravel means to investigate and solve or explain something. All the other options are the synonyms of Unravel.

COMPUTER AWARENESS

Ques: 161. The _____ enables your computer to connect to other computers.

- (A) Video Card
- (B) Sound Card
- (C) Network Interface Card**
- (D) Controller Card
- (E) None of these

Explanation: NIC is short for network interface card. It's network adapter hardware in the form of an add-in card that fits in an expansion slot on a computer's motherboard. Most computers have them built-in (in which case they're just a part of the circuit board) but you can also add your own NIC to expand the functionality of the system.

Ques: 162. Which of the following is an example of hardware?

- (A) Assembler
- (B) Server**
- (C) Compiler
- (D) Interpreter
- (E) OS

Explanation: In computing, a server is a computer program or a device that provides functionality for other programs or devices, called "clients". This architecture is called the client-server model, and a single overall computation is distributed across multiple processes or devices. Servers can provide various functionalities, often called "services", such as sharing data or resources among multiple clients, or performing computation for a client. A single server can serve multiple clients, and a single client can use multiple servers.

Ques: 163. What is the full form of UTP?

- (A) Unshielded Twisted Pair**
- (B) Universal Transmission Path
- (C) User Time Precision
- (D) Unified Transmission Protocol
- (E) Uniplexed Time Protocol

Explanation: UTP stands for Unshielded Twisted pair. Twisted pair cabling is a type of wiring in which two conductors (the forward and return conductors of a single circuit) are twisted together for the purposes of canceling out electromagnetic interference (EMI) from external sources; for instance, electromagnetic radiation from unshielded twisted pair (UTP) cables, and crosstalk between neighboring pairs.

Ques: 164. The computer size was very large in _____.

- (A) First Generation**
- (B) Second Generation
- (C) Third Generation

- (D) Fourth Generation
- (E) None of these

Explanation: The First Generation Computers size was very large. Since the First generation computers used 1000s of vacuum tubes that required lot of space made them gigantic in size.

Ques: 165. USB in data cables stands for_____.

- (A) Unicode Smart Bus
- (B) Universal Structural Bus
- (C) Unicode Serial Bus
- (D) Universal Serial Bus**
- (E) None of these

Explanation: USB stands for Universal Serial Bus, an industry standard for short-distance digital data communications. USB ports allow USB devices to be connected to each other with and transfer digital data over USB cables. They can also supply electric power across the cable to devices that need it.

Ques: 166. Fax machines are used to send documents through a _____ .

- (A) Telephone Line**
- (B) Modems
- (C) Co-axial Wire
- (D) All of these
- (E) None of these

Explanation: A fax machine consists of an optical scanner for digitizing images on paper, a printer for printing incoming fax messages, and a telephone for making the connection. The optical scanner generally does not offer the same quality of resolution as stand-alone scanners. Some printers on fax machines are thermal, which means they require a special kind of paper.

Ques: 167. _____ is used in second generation computer.

- (A) Transistors**
- (B) Vacuum Tubes
- (C) Microprocessor
- (D) Integrated Circuit
- (E) None of these

Explanation: A transistor computer, now often called a second generation computer, is a computer which uses discrete transistors instead of vacuum tubes. The first generation of electronic computers used vacuum tubes, which generated large amounts of heat, were bulky and unreliable. A second generation of computers, through the late 1950s and 1960s featured circuit boards filled with individual transistors and magnetic core memory.

Ques: 168. Capital letters on a keyboard are referred to as _____.

- (A) Caps Lock Key**
- (B) Grownups
- (C) Big Guys

- (D) Lower Case Letters
- (E) None of these

Explanation: Caps lock is the name of a key on a computer keyboard. When you press this key, letters that you type will be capital letters (like this, "ABC"), instead of lowercase ("abc"). The caps lock key is usually above the Shift key and below the Tab key on the left side of the keyboard. However, some people prefer it to be in other locations.

Ques: 169. The example of Non - Impact printer is_____ .

- (A) Laser and Dot Matrix
- (B) Inkjet and Laser Printer**
- (C) Inkjet and Dot Matrix
- (D) Dot Matrix
- (E) None of these

Explanation: A printer that prints without banging a ribbon onto paper. Laser, LED, inkjet, solid ink, thermal wax transfer and dye sublimation printers are examples of non-impact printers.



Ques: 170. An assembler is used to translate a program written in

- (A) A low level language
- (B) A high level language
- (C) Assembly language**
- (D) Machine language
- (E) None of these

Explanation: An assembly language (or assembler language), often abbreviated asm, is any low-level programming language in which there is a very strong correspondence between the program's statements and the architecture's machine code instructions. Assembly code is converted into executable machine code by a utility program referred to as an assembler. The conversion process is referred to as assembly, or assembling the source code.

Ques: 171. To change hardware components into more powerful or rectified version is called

- (A) Expansion
- (B) Plug and Play
- (C) Upgrading**
- (D) Upsizing
- (E) None of these

Explanation: Upgrading is the process of replacing a product with a newer version of the same product. In computing and consumer electronics an upgrade is generally a replacement of hardware, software or firmware with a newer or better version, in order to bring the system up to date or to improve its characteristics.

Ques: 172. Which is the protocol that supports linking from one web page to another page?

- (A) HTML
- (B) HTTP**
- (C) IP
- (D) FTP
- (E) None of these

Explanation: Websites and the web pages that comprise them are usually found with assistance from a search engine, but they can receive traffic from social media and other sources. On a network, a web browser can retrieve a web page from a remote web server. The web browser uses the Hypertext Transfer Protocol (HTTP) to make such requests to the web server. The web server may restrict access to a private network (for example, a corporate intranet).

Ques: 173. Chip is a common nickname for a(n)_____.

- (A) Transistor
- (B) Resistor
- (C) Integrated Circuit**
- (D) Semiconductor
- (E) None of these

Explanation: An integrated circuit or monolithic integrated circuit (also referred to as an IC, a chip, or a microchip) is a set of electronic circuits on one small flat piece (or "chip") of semiconductor material that is normally silicon. The integration of large numbers of tiny transistors into a small chip results in circuits that are orders of magnitude smaller, faster, and less expensive than those constructed of discrete electronic components.

Ques: 174. Which of the following code detects and corrects error in data?

- (A) Hamming Codes**
- (B) Windows
- (C) Encryption
- (D) All of these
- (E) None of these

Explanation: Hamming code is a set of error-correction codes that can be used to detect and correct the errors that can occur when the data is moved or stored from the sender to the receiver. It is technique developed by R.W. Hamming for error correction.

Ques: 175. Numbers and formulae entered in cell are called _____.

- (A) Labels
- (B) Numeric Entries**
- (C) Intersection
- (D) Text
- (E) Fillers

Explanation: Enter a unique numeric code in positions 17 and 18 if one record type must be read before another record type in a file. Numeric entries must be in ascending order, starting with 01, but need not be consecutive. When a numeric entry is used, the appropriate entries must be made in positions 19 and 20.

Ques: 176. In binary language, each letter of alphabet, each number, and each specific character is a unique combination of

- (A) Eight bytes
- (B) Eight kilobytes
- (C) Eight bits**
- (D) Eight characters
- (E) None of these

Explanation: A binary code represents text, computer processor instructions, or any other data using a two-symbol system. The two-symbol system used is often "0" and "1" from the binary number system. The binary code assigns a pattern of binary digits, also known as bits, to each character, instruction, etc. For example, a binary string of eight bits can represent any of 256 possible values and can, therefore, represent a wide variety of different items.

Ques: 177. You click at I to make the text _____.

- (A) Italics**
- (B) Underlined
- (C) Italics and Underlined
- (D) Bold
- (E) None of these

Explanation: Italic is a style of font that slants the letters evenly to the right. For example, this sentence is italicized. When a font is installed on a computer, there will be an italic version. For example, with Verdana font, there is a "Verdana Regular," "Verdana Bold," "Verdana Bold Italic," and "Verdana Italic" font.

Ques: 178. The _____ manual tells you how to use a software program.

- (A) Documentation
- (B) User**
- (C) Technical
- (D) Programming
- (E) None of these

Explanation: A user is a person who utilizes a computer or network service. Users of computer systems and software products generally lack the technical expertise required to fully understand how they work. Power users use advanced features of programs, though they are not necessarily capable of computer programming and system administration.

Ques: 179. _____ is data that has been organized or presented in a meaningful way.

- (A) A process
- (B) Information**
- (C) Software
- (D) Storage
- (E) None of these

Explanation: Information is data that has been converted into a more useful or intelligible form. It is the set of data that has been organized for direct utilization of mankind, as information helps human beings in their decision making process. Examples are: Time Table, Merit List, Report card, Headed tables, printed documents, pay slips, receipts, reports etc.

Ques: 180. All the characters that a device can use is called its

- (A) Skill Set
- (B) Character Alphabet
- (C) Character Codes
- (D) Character Set**
- (E) None of these

Explanation: A defined list of characters recognized by the computer hardware and software. Each character is represented by a number. The ASCII character set, for example, uses the numbers 0 through 127 to represent all English characters as well as special control characters. European ISO character sets are similar to ASCII, but they contain additional characters for European languages.

Ques: 181. What does the acronym PDF stand for?

- (A) Portable Documenting Format
- (B) Portable Documentation File
- (C) Portable Documentation Format
- (D) Portable Document Format**
- (E) None of these

Explanation: PDF (Portable Document Format) is a file format that has captured all the elements of a printed document as an electronic image that you can view, navigate, print, or forward to someone else. PDF files are created using Adobe Acrobat, Acrobat Capture, or similar products. To view and use the files, you need the free Acrobat Reader, which you can easily download.

Ques: 182. A Database Management System (DBMS) is _____.

- (A) Collection of interrelated data
- (B) Collection of programs to access data
- (C) Collection of data describing one particular enterprise
- (D) All of the above**
- (E) None of these



Explanation: A database management system (DBMS) is a software package designed to define, manipulate, retrieve and manage data in a database. A DBMS generally manipulates the data itself, the data format, field names, record structure and file structure. It also defines rules to validate and manipulate this data. A DBMS relieves users of framing programs for data maintenance.

Ques: 183. In Excel, this is a prerecorded formula that provides a shortcut for complex calculations _____.

- (A) Value
- (B) Data Series
- (C) Function**
- (D) Field
- (E) None of these

Explanation: A function is a unit of code that is often defined by its role within a greater code structure. Specifically, a function contains a unit of code that works on various inputs, many of which are variables, and produces concrete results involving changes to variable values or actual operations based on the inputs.

Ques: 184. What is the process of copying software programs from secondary storage media to the hard disk called?

- (A) Configuration
- (B) Download
- (C) Storage
- (D) Installation**
- (E) None of these

Explanation: Installation is the process of making hardware and/or software ready for use. Obviously, different systems require different types of installations. While certain installations are simple and straightforward and can be performed by non-professionals, others are more complex and time-consuming and may require the involvement of specialists.

Ques: 185. What is the main folder on a storage device called ?

- (A) Platform

- (B) Interface
- (C) Root Directly**
- (D) Device Driver
- (E) None of these

Explanation: The root directory contains all other folders in the drive or folder, and can, of course, also contain files. You can visualize this with an upside-down tree where the roots (the root folder) are at the top and the branches (subfolders) fall below; the root is what holds together all of its lower items.

Ques: 186. Which of the following uses a handheld operating system?

- (A) Supercomputer
- (B) Personal Computer
- (C) Laptop
- (D) Motherboard
- (E) Personal Digital Assistant (PDA)**

Explanation: A personal digital assistant (PDA), also known as a handheld PC, is a variety mobile device which functions as a personal information manager. PDAs were displaced by the widespread adoption of highly capable smartphones, in particular those based on iOS and Android. A PDA has an electronic visual display, letting it include a web browser.

Ques: 187. Which security model is used in a peer-to-peer network?

- (A) Password-protected Shares
- (B) Access Control Lists
- (C) Share-level Security**
- (D) User-level Security
- (E) None of these

Explanation: The only security on a peer-to-peer network is at the share level. When users create network shares, they may implement no security, which means that anyone can have full access to the share, or they may assign a password to the share. Depending on which networking platform you use, a user may be able to assign one password to a share for read-only access and another password for full control over the share.

Ques: 188. Market innovations means

- (A) To design new products
- (B) New styles of marketing
- (C) New ideas in sales
- (D) All 1), 2) and 3)**
- (E) None of these

Explanation: A marketing innovation is the implementation of a new marketing method involving significant changes in product design or packaging, product placement, product promotion or pricing.

Ques: 189. Computers that control processes accept data in a continuous

- (A) Data Traffic Pattern
- (B) Data Highway

- (C) Infinite Loop
- (D) Feedback Loop**
- (E) None of these

Explanation: Feedback occurs when outputs of a system are routed back as inputs as part of a chain of cause-and-effect that forms a circuit or loop. The system can then be said to feed back into itself. The notion of cause-and-effect has to be handled carefully when applied to feedback systems:

- Simple causal reasoning about a feedback system is difficult because the first system influences the second and second system influences the first, leading to a circular argument. This makes reasoning based upon cause and effect tricky, and it is necessary to analyze the system as a whole.

Ques: 190. The person who writes and tests computer programs is called a

- (A) Programmer
- (B) Computer Scientist
- (C) Software Engineer**
- (D) Project Developer
- (E) None of these

Explanation: A software engineer is a person who applies the principles of software engineering to the design, development, maintenance, testing, and evaluation of computer software.

Ques: 191. _____ is the process of carrying commands.

- (A) Fetching
- (B) Storing
- (C) Executing**
- (D) Decoding
- (E) None of these

Explanation: Execution in computer and software engineering is the process by which a computer or virtual machine executes the instructions of a computer program. Each instruction of a program is a description of a specific action to be carried out in order for a specific problem to be solved; as instructions of a program and therefore the actions they describe are being carried out by an executing machine, specific effects are produced in accordance to the semantics of the instructions being executed.

Ques: 192. The simultaneous processing of two or more programs by multiple processors is

- (A) Multiprogramming**
- (B) Multitasking
- (C) Time-Sharing
- (D) Multiprocessing
- (E) None of these

Explanation: In a multiprogramming system there are one or more programs loaded in main memory which are ready to execute. Only one program at a time is able to get the CPU for executing its instructions while all the others are waiting their turn. The main idea of multiprogramming is to maximize the use of CPU time. Indeed, suppose the

currently running process is performing an I/O task. Then, the OS may interrupt that process and give the control to one of the other in-main-memory programs that are ready to execute.

Ques: 193. The operating system determines the manner in which all of the following occurs except

- (A) User creation of a document
- (B) User interaction with the processor**
- (C) Printer Output
- (D) Data displayed on the monitor
- (E) None of these

Explanation: An operating system (OS) is system that manages computer hardware and software resources and provides common services for computer programs. Time-sharing operating systems schedule tasks for efficient use of the system and may also include accounting software for cost allocation of processor time, mass storage, printing and other resources.

Ques: 194. A disk's content that is recorded at the time of manufacture and that cannot be changed or erased by the user is

- (A) Memory only
- (B) Write only
- (C) Read only**
- (D) Run only
- (E) None of these

Explanation: Read-only memory (ROM) is a type of non-volatile memory used in computers and other electronic devices. Data stored in ROM can only be modified slowly, with difficulty, or not at all, so it is mainly used to store firmware (software that is closely tied to specific hardware, and unlikely to need frequent updates) or application software in plug-in cartridges.

Ques: 195. What is the difference between a CD-ROM and a CD-RW?

- (A) They are the same just two different terms used by different manufacturers
- (B) A CD-ROM can be written to and a CD-RW cannot
- (C) A CD-RW can be written to, but a CD-ROM can only be read only**
- (D) A CD-ROM holds more information than a CD-RW
- (E) None of these

Explanation: CD-ROM (Compact Disk Read-Only Memory) is a drive which reads aluminum-coated round plastic discs. The CD-ROM disc is 12 x 12 cm with a width of 0.1cm.

CD-RW (Compact Disk ReWritable) drives not only have capabilities to read the data on the CDs but also can write the data to the disc, i.e. CD-R or CD-RW with different reading and writing speed.

Ques: 196. The first transistorized computer was built at _____.

- (A) Babylonia
- (B) Bell Labs
- (C) University of Manchester**

- (D) Germany
- (E) None of these

Explanation: The Manchester computers were an innovative series of stored-program electronic computers developed during the 30-year period between 1947 and 1977 by a small team at the University of Manchester, under the leadership of Tom Kilburn. They included the world's first stored-program computer, the world's first transistorized computer, and what was the world's fastest computer at the time of its inauguration in 1962.

Ques: 197. What types of keys are 'Ctrl' and 'Shift' ?

- (A) Adjustment
- (B) Function
- (C) Modifier**
- (D) Alphanumeric
- (E) None of these

Explanation: A modifier key modifies the action of another key when the keys are pressed at the same time. Common modifier keys include Shift, Function, Control, Alt, Command, and Option. The Shift key is found on all keyboards, while the other keys may be exclusive to laptops or Windows or Macintosh computers.

Ques: 198. Which of the following was the world's first electronic programmable computing device ?

- (A) ENIAC
- (B) Model K
- (C) Colossus**
- (D) Curta
- (E) None of these

Explanation: Colossus was the world's first electronic digital programmable computer. It used a large number of valves (vacuum tubes). It had paper-tape input and was capable of being configured to perform a variety of boolean logical operations on its data, but it was not Turing-complete.

Ques: 199. Manchester Mark I computer was based on _____.

- (A) Stored Program Concept**
- (B) Processing Concept
- (C) Electronic Change Concept
- (D) All of the above
- (E) None of these

Explanation: The stored-program computer idea can be traced back to the 1936 theoretical concept of a universal Turing machine. Von Neumann was aware of this paper, and he impressed it on his collaborators as well. Many early computers, such as the Atanasoff–Berry computer, were not reprogrammable.

Ques: 200. Which of the following information systems focuses on making manufacturing processes more efficient and of higher quality?

- (A) Computer Aided Manufacturing**
- (B) Computer Integrated Manufacturing

- (C) Computer Aided Software Engineering
- (D) Computer Aided System Engineering
- (E) None of these

Explanation: Computer-aided manufacturing (CAM) is an application technology that uses computer software and machinery to facilitate and automate manufacturing processes. CAM is the successor of computer-aided engineering (CAE) and is often used in tandem with computer-aided design (CAD).

