Directions (1-5): Study the following information carefully and answer the questions given below:

Adarsh is going to park from Monday to Sunday (Starting from Monday and ending on Sunday) in different time slot. Time slots are 6:00am, 7:00am, 7:15am, 8:30am, 9:30am, 11:30am and 11:45am. Order of the time slot must be different from the one mentioned above. Consecutive time slot as mentioned above will not be necessarily on consecutive days. Adarsh is going at 9:30am on Tuesday. There is 15min gap between the Thursday and Sunday time slot. There is one-hour gap between the time slot of Saturday and Wednesday. There are three days gap between 6:00am and 11:30am time slots. Monday time slot is after Friday time slot.

Q1. What is the time difference between Monday and Sunday time slot?
(a) 1 hour
(b) 2 hours
(c) 3 hours
(d) 4 hours
(e) 5 hours

Q2. What is the time slot of Thursday?
(a) 7:15 am
(b) 7:00 am
(c) 11:30 am
(d) 8:30 am
(e) 11:45 am

Q3. If the time slots are arranged in descending order from Monday to Sunday, then how many time slots will remain unchanged?
(a) One
(b) Two
(c) None
(d) Three
(e) None of these

Q4. What is the time slot is just before 11:30 am according to the arrangement?
(a) 8:30 am
(b) 7:00 am
(c) 6:00 am
(d) 9:30 am
(e) None of these

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Q5. If the person is getting 15 min late on Sunday, then what time he reaches to the park?

(a) 6:15 am

(b) 7:15 am

(c) 11:45 am

(d) 8:45 am

(e) None of these

Directions (6-10): Study the following arrangement carefully and answer the questions given below:

2 N M 5 % J 4 H 7 U @ Y 3 # T 5 K R 4 Q + 7 D & F 3 C * W 1$ 9

Q6. How many such numbers are there in the above arrangement, each of which is immediately preceded by a consonant but not immediately followed by a symbol?

(a) Five

(b) Six

(c) Seven

(d) Three

(e) None of these

Q7. Which of the following element is 4th to the left of the 7th from the right end of the above arrangement?

(a) Q

(b) +

(c) 7

(d) D

(e) None of these

Q8. Which of the following element will be the 11th from the left of $ if all the alphabets are dropped?

(a) @

(b) 4

(c) #

(d) 5

(e) None of these

Q9. How many such symbols are there in the above arrangement, each of which is immediately preceded by a number and immediately followed by a consonant?

(a) None

(b) One

(c) Two

(d) Three

(e) More than three

Q10. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?
(a) %4H
(b) @3#
(c) 3CW
(d) *1$
(e) Y#T

Directions (11-15): Study the following information carefully and answer the questions given below:

Eight persons A, B, C, D, E, F, G and H are sitting around circular table facing the center but not necessarily in the same order. They like different colors red, blue, green, orange, grey, violet, white and pink. Two persons are sitting between the one who likes green color and the one who like white color. Two persons are sitting between B and E who is sitting next to the one who likes green color. G who likes pink color faces B. H who does not like white is sitting immediate left of A who likes orange. One person is sitting between the one who likes white and the one who likes violet. The one who likes violet does not sit next to the one who likes green. C is sitting second to the right of the one who likes red color who is sitting third to the left of the one who likes grey color. B does not like grey color. F who likes blue color is sitting second to the right of D who is sitting next to B.

Q11. How many persons are sitting between A and G when counting from left of A?
(a) One
(b) Three
(c) Two
(d) Four
(e) None of these

Q12. Four of the following five belongs to a group. Which of the following does not belong to that group?
(a) H-blue
(b) A-green
(c) B-pink
(d) E-white
(e) F-orange

Q13. Who amongst the following likes Green color?
(a) A
(b) C
(c) D
(d) Cannot be determined
(e) G

Q14. Who amongst the following faces the one who likes grey color?

(a) E

(b) C

(c) D

(d) A

(e) None of these

Q15. Who is sitting third to the left of the one who likes red color?

(a) E

(b) The one who likes white color

(c) A

(d) The one who likes violet color

(e) None of these

Directions (16-20): **In each of the question, relationships between some elements are shown in the statements. These statements are followed by conclusions numbered I and II. Read the statements and give the answer.**

Q16.
Statements:
$A \geq B < D = E > F$; $D \geq G > I$; $A < J \leq K$
Conclusions:
I. $A \geq F$
II. $E > I$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow

Q17.
Statements:
$P \geq Q \leq R = S$; $Q \geq T > U$; $P = L \leq M$
Conclusions:
I. $M = T$
II. $M > T$

(a) If only conclusion I follows.

(b) If only conclusion II follows.

(c) If either conclusion I or II follows.

(d) If neither conclusion I nor II follows.

(e) If both conclusions I and II follow

Q18.
Statements:
X<Z>U; V≥W≤U; T=S≤X
Conclusions:
I. W<Z
II. T<V

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow

Q19.
Statements:
G>H≤I>J; I≤K>L; L>M≤N
Conclusions:
I. H<M
II. G>N

(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow

Q20.
Statements:
A≥B<D=E>F; D≥G>I; A<J≤K
Conclusions:
I. B<K
II. E≥G
(a) If only conclusion I follows.
(b) If only conclusion II follows.
(c) If either conclusion I or II follows.
(d) If neither conclusion I nor II follows.
(e) If both conclusions I and II follow

Directions (21-25): Read the following information carefully and answer the questions given below

Nine people viz. P, Q, R, S, T, U, V, W and X live in a building on nine different floors. The ground floor is numbered as 1, the floor just above it is numbered as 2 and so on till top floor which is numbered as 9 (but not necessarily in the same order). They all go to different cities i.e. Mumbai, Pune, Lucknow, Kolkata, Delhi, Ahmedabad, Jaipur, Chennai, Bhopal. Two persons are living between U and V who does not go to Bhopal. The one who goes to Delhi lives immediately above the one who go to Chennai. T does

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not go to Delhi and Chennai and is not living on even numbered floor. R is living at one of the floors above S but does not go to Mumbai. The one who goes to Kolkata is living on an even numbered floor below S. P does not live on an odd numbered floor but is immediately above the one who go to Bhopal. Number of persons living above the one who go to Lucknow is the same as the number of persons living below the one who go to Jaipur. Three persons are living above S. No one is living above the one who go to Mumbai. Three persons are living between T and W who go to Lucknow and living at one of the floors above T. The one who go to Ahmedabad is living at the floor number 2. X does not go to Chennai.

Q21. How many persons are living between X and the one who go to Delhi?
(a) Two
(b) Four
(c) One
(d) Three
(e) None

Q22. Who amongst the following go to Pune?
(a) P
(b) R
(c) Q
(d) W
(e) X

Q23. Four of the following five belong to a certain group. Which of the following does not belong to the group?
(a) U-Ahmedabad
(b) V-Chennai
(c) W-Pune
(d) S-Delhi
(e) R-Mumbai

Q24. V goes to which city?
(a) Jaipur
(b) Bhopal
(c) Chennai
(d) Kolkata
(e) None of these

Q25. Which of the following is true regarding Q?
(a) Q is living on floor number 4
(b) Only two floors are there between Q and W.
(c) Q is not living on an odd number floor.
(d) V is living immediately above Q.
(e) None is true

Directions (26-29): Study the following information carefully to answer the given questions.

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

Input: priority 36 elements 19 aggregate 24 anticipate 58 together 21 vulnerable 49

Step I: aggregate priority 36 election 19 24 anticipate together 21 vulnerable 49 57

Step II: election aggregate priority 36 19 24 anticipate together 21 vulnerable 51 57

Step III: anticipate election aggregate priority 19 24 together 21 vulnerable 35 51 57

Step IV: together anticipate election aggregate priority 19 21 vulnerable 23 35 51 57

Step V: priority together anticipate election aggregate 19 vulnerable 23 23 35 51 57

Step VI: vulnerable priority together anticipate election aggregate 21 23 23 35 51 57

Step VI is the final step of the given input.

Answer the following questions based on the following input.

Input: movement 98 hypothetical 37 mission 65 theme 95 abstract 40 material 68

Q26. Which of the following is the difference between the 4th element from the left end in Step I and the 3rd element from the right end in Step IV?
(a) 30
(b) 31
(c) 3
(d) 60
(e) 2

Q27. Which of the following is the second element from the left end in Step III?
(a) mission
(b) abstract
(c) material
(d) 98
(e) 65

Q28. What is the position of 'material' in the last but one step of the given input?
(a) Sixth from the left end
(b) Sixth from the right end
(c) Fifth from the left end
(d) Seventh from the right end
(e) Both (c) and (d)

Q29. In which of the following step 'abstract material 39' is found in the same order?
(a) Step III
(b) Step IV
(c) Step II
(d) Step VI
(e) Step I

Q30. Statement-Neeru Chadha becomes first Indian woman to become member of ITLOS. Chadha is only the second woman to be judge of ITLOS in its two decades of existence, where there have been a total of 40 judges.

Which of the following can be assumed from the given statement?

(I) No other woman of India has the capability to become member of ITLOS.

(II) Woman can be a better judge than man.

(III) No other candidate is superior than Neeru Chadha.

(a) Only II and III

(b) Only I and III

(c) Only II

(d) Only I

(e) None of these

Directions (31-33): Letters of the word given in each of the following questions are to be coded based on the codes and the conditions given below

Letters	P	D	L	M	A	S	Q	R	T
	Z	H	C	U	F	J	B	Y	V
Codes	!	@	#	$	%	^	&	*	?

Conditions:

i) If the first letter of the word is a vowel and the last letter of the word is a consonant then the codes are to be interchanged.

ii) If the Last letter of the word is a vowel and first letter is a consonant then both will be coded as the code of last letter.

iii) If the first and the last both letters are vowels then both are to be coded as the code of first letter.

iv) If two consecutive letters are having same code both are to be coded as the code of their next letter in English alphabetical series.

Now based on the above information find out which of the combinations is the coded form of the given letters in each question

Q31. PDLMA

(a) %@$#%

(b) %$@#%

(c) %#@$%

(d) %!#@%

(e) %@#$%

Q32. AQBDT

(a) ?*#%@

(b) ?#%@*

(c) %*#@?

(d) ?*#@%

(e) None of these

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Q33. ALCYU
(a) ?%*@!
(b) $%@*%
(c) %$@*%
(d) !%*@!
(e) None of these

Q34. Statement-The Captain Amarinder Singh-led government in Punjab has announced free education for girls in government schools and colleges from Nursery to PhD.
(I) Good social welfare law. It is initially for girls as they are comparatively disadvantaged. Hopefully it will soon be followed by free education for everyone.
(II) It is gender biased as if a poor or average person wants to educate his son for higher education he has to pay higher bills. If you are introducing a law / scheme / bills under no circumstance it should not favour any particular gender, if they are really concerned about education.
(III) Do not differentiate a poor or average person on gender. A poor boy or man should also get free education as well.
Which of the following argument holds strong for the given statement?
(a) Only II
(b) Only III
(c) Only II and III
(d) Only I and II
(e) All of the above

Directions (35-39): Read the following information carefully and answer the questions given below:

Eight persons A, B, C, D, E, F, G and H are standing in a straight line equidistant from each other but not necessarily in the same order. Some of them are facing north and some of them are facing south. They all like different actors i.e. Shahrukh, Salman, Amir, Akshay, Ajay, Amitabh, Hrithik and Govinda. Not more than two adjacent persons are facing same direction. The one who like Hrithik sits immediate left of the one who like Akshay. D sits second to the left of B who is third to the left of C. D does not stand next to C and does not like Govinda. Two persons are standing between H and F and neither of them like Akshay and Hrithik. C who likes Ajay is at one of the extreme ends of the line. Two persons are standing between G and B who is not the immediate neighbor of F. Only One person is standing between D and A who is not facing North. The one who like Salman is not an immediate neighbor of the one who like Shahrukh. The one who like Amitabh is standing second from the right end. Three persons are standing between the one who like Salman and the one who like Amitabh. The one who is fourth to the left of E likes Govinda and is facing the same direction as that of A.

Q35. Which of the following is true regarding A ?
(a) A does not like Shahrukh
(b) A is at the extreme right end
(c) D is standing second to the right of A.
(d) Immediate neighbor of A is facing North.
(e) No one is standing to the right of A.

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Q36. Who likes actor Amir?
(a) A
(b) G
(c) H
(d) D
(e) None of these

Q37. How many persons are facing North direction?
(a) None
(b) One
(c) Three
(d) Two
(e) More than Three

Q38. D likes which actor?
(a) Shahrukh
(b) Salman
(c) Ajay
(d) Govinda
(e) Amitabh

Q39. Which of the following is not true regarding E?
(a) E is not facing South direction
(b) One who like Amitabh is an immediate neighbor of E
(c) Two persons are standing between D and E.
(d) One person is standing between B and E
(e) E likes Akshay

Q40. Statement-Government plans a new social media policy to check anti-India activities, if it is being "misused" to conspire against India and spread anti-national propaganda.
(I) At present, there is only a set of "do's and don'ts" for the social media which needs to be graduated to a full-fledged guidelines that should be adopted on such a network.
(II) The move assumes significance as there have been instances where terrorists were found to be using social media to conspire against the country or to propagate anti-India materials.
(III) There have also been instances where rumours spread on the social media had resulted in violence and tense situation in different parts of the country.
(IV) The misuse of social media is more challenging especially with reference to the situation in Jammu and Kashmir, because only social media is responsible to encourage terrorism in Jammu and Kashmir.
Which of the following substantiates the given statement?
(a) Only II and IV
(b) All except IV
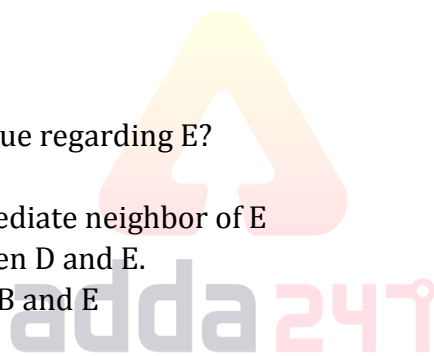(c) Only II and III
(d) Only IV
(e) All except III

Directions (41-45): Given below table shows number of apartments build under 'Pradhan Mantri a was yojana' in six different cities, while Line graph shows number of 2 BHK apartments more than number of 3 BHK apartments in terms of percentage in these cities. Read the data carefully and answer the questions.

Cities	Number of apartments build
P	3220
Q	2688
R	3600
S	3136
T	3960
U	2820
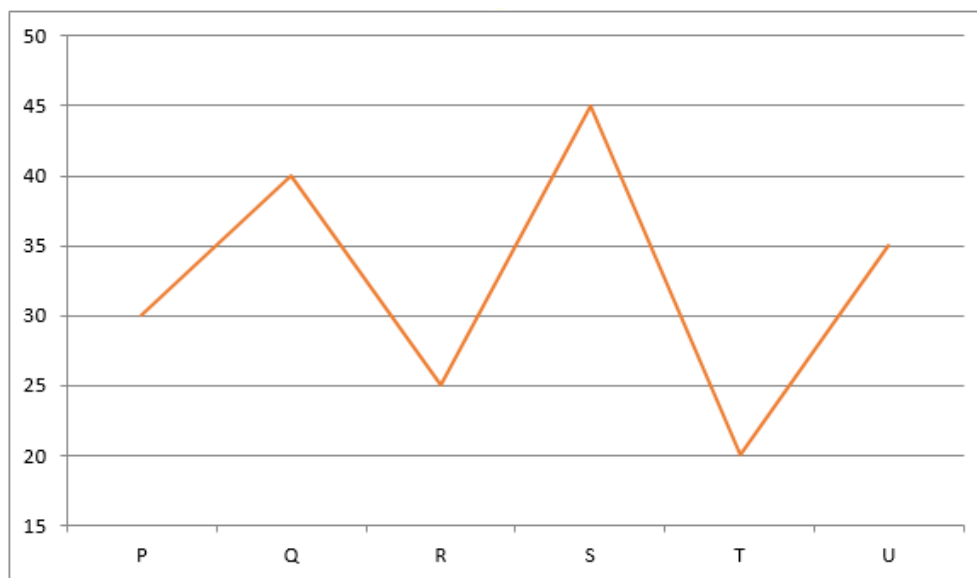
Q41. Number of 2BHK apartments in P is what percent more than number of 3BHK apartments in T?

(a) $1\frac{1}{9}\%$

(b) $\frac{1}{9}\%$

(c) $3\frac{1}{9}\%$

(d) 4%

(e) $3\frac{1}{3}\%$

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Q42. Find the total number of 3BHK apartments in Q, R & S?
(a) 4000
(b) 3600
(c) 3200
(d) 4400
(e) 4800

Q43. Number of 2BHK apartments in U is what percent of total number of 3 BHK apartments in P & T?
(a) 48.625%
(b) 44.625%
(c) 50.625%
(d) 42.625%
(e) 36.625%

Q44. If out of total 2BHK & 3BHK apartments in city U, 40% and 60% of the apartments respectively are registered on the name of female, then find the ratio of number of 3BHK apartments not registered on the name of female to number of 2BHK apartments registered on the name of male.
(a) 46 : 81
(b) 43 : 81
(c) 59 : 81
(d) 40 : 81
(e) None of these

Q45. Find the total number of 2BHK apartments in Q, S & U together?
(a) 5000
(b) 5044
(c) 5088
(d) 5086
(e) 5090

Q46. Train-A crosses a pole in 9 seconds and Train-B which is 180m long and running at 150km/hr crosses Train-A in 57.6 seconds, while running in same direction. Then, find in how much time will Train-A cross Train-B while running in opposite direction?
(a) 9.6 seconds
(b) 8.2 seconds
(c) 6.4 seconds
(d) 5 seconds
(e) 11.2 seconds

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Q47. A vessel contains mixture of milk and water in the ratio of 2 : 1. If '45' liters of mixture is taken out from the vessel and replaced by water with the same quantity, then the ratio of milk and water in the resulting mixture becomes 19 : 17. Then, find the quantity of milk in original mixture is what percent more than the quantity of water in the resulting mixture?

(a) $49\frac{6}{17}\%$

(b) $41\frac{3}{17}\%$

(c) $33\frac{13}{17}\%$

(d) $45\frac{4}{17}\%$

(e) None of the above

Q48. Two cards are drawn randomly from a pack of 52 cards. Then, find the probability of getting at least one 1 red king and 1 black king, if replacement is not allowed.

(a) $\frac{1}{676}$

(b) $\frac{1}{169}$

(c) $\frac{4}{663}$

(d) $\frac{1}{663}$

(e) $\frac{3}{676}$

Q49. Length of a rectangle is increased by 5 cm to form a square of area 2209 cm². Then, find the total surface area of a cylindrical toy whose radius is equal to the length of rectangle and height is equal to the breadth of a rectangle.
(a) 22,998 cm²
(b) 24,389 cm²
(c) 23,785 cm²
(d) 24,017 cm²
(e) 23,496 cm²

Q50. Average of present ages of Aman, Bhanu and Chaman is 35 years. 1 year ago, Bhanu is twice as old as Chaman while 5 years hence, Aman is two-third as old as Bhanu. Then, find the age of Aman when Chaman was born.
(a) 6 years
(b) 9 years
(c) 5 years
(d) 13 years
(e) 11 years

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Directions (51-55): Read the given information carefully and answer the following questions.

A boat covers certain distance in three parts i.e. upstream, downstream and in still water. Ratio of distance covered in downstream to upstream is 7:3 and total distance covered is 375 km. When boat goes downstream it consume 25% less fuel per km and while moving in upstream it consumes $12\frac{1}{2}$% more fuel per km than that of in still water and it cover 175km in still water. Now, after reaching its destination, boat returns to initial point covering the same path and it takes 10/3 lit more fuel in return journey.

Q51. If in return journey boat takes 5hr 30 min more to cover upstream than downstream and speed of boat in downstream is 40km/h, then find speed of boat in upstream?
(a) 10 km/h
(b) 15 km/h
(c) 20 km/h
(d) 25 km/h
(e) None of these.

Q52. How much fuel is consumed in covering downstream distance in whole journey? (approx.)
(a) 15 lit
(b) 17 lit
(c) 18 lit
(d) 12 lit
(e) 10 lit

Q53. Total Distance covered in still water is how much percent more or less than total distance covered in upstream in whole journey?
(a) 50%
(b) 100%
(c) 150%
(d) 75%
(e) 125%

Q54. What is the rate of consumption of fuel of boat in upstream?
(a) 7 km in 1 lit
(b) 8 km in 1 lit
(c) 10 km in 1 lit
(d) 12 km in 1 lit
(e) 9 km in 1 lit

Q55. If fuel costs 81 rupee per liter, then find money spent on fuel to cover distance still water in return journey?
(a) Rs. 1550
(b) Rs. 1575
(c) Rs. 1350
(d) Rs. 1275
(e) Rs. 1250

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Directions (56-60): Given below the table shows number of bikes manufactured by five different plants of 'Hero' in 2016. Read the data carefully and answer the questions.

Plants	Number of bike Manufactured in 2016	Percentage increment in production in 2017 over 2016	Percentage of sold bikes in 2016
A	9000	12	35
B	7200	15	62.5
C	9600	25	50
D	10800	12.5	40
E	12000	20	60

Total stock available in 2017 of each plant = Manufactured bike in 2017 + (Manufactured bike in 2016 – Sold bike in 2016)

Q56. Total stock of plant C in 2017 is what percent less than total stock of plant E in 2017?
(a) 10%
(b) 12.5%
(c) 15%
(d) 20%
(e) 25%

Q57. Find difference between total stock of plant A in 2017 and average of unsold bikes of plant D & E in 2016 ?
(a) 10000
(b) 10390
(c) 10990
(d) 10290
(e) 10690

Q58. Out of total manufactured bike by plant B in 2016, 45% are 150 CC bikes and remaining are 200 CC bikes. If out of total sold bikes by plant B in 2016, 36% are 150 CC bikes, then find ratio of unsold 200 CC bikes in 2016 to total stock of plant D in 2017?
(a) 4 : 69
(b) 4 : 79
(c) 2 : 69
(d) 2 : 79
(e) 4 : 49

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Q59. Total stock of plant B in the year 2017 is approximate what percent more than total unsold bikes of plant B & E together in 2016?
(a) 60%
(b) 64%
(c) 58%
(d) 50%
(e) 46%

Q60. If total sale of plant A & D increased by 10% and 20% in 2017 over 2016 respectively, then find total unsold bikes by plant A & D in the year 2017 together?
(a) 25611
(b) 25411
(c) 25911
(d) 25311
(e) 25211

Q61. A man has Rs. 30000, he invested some part in bank P at the rate of ____% for 8 years and remaining in bank Q at the rate of 20% for ___ years. If he gets total Rs. 52000 as interest from both the bank and amount invested in bank P is 50% of amount invested in Q. What possible value come in given blanks?
(A) 50 & 3
(B) 40 & 5
(C) 60 & 5
(D) 30 & 15
(a) Only A & C
(b) Only A & B
(c) Only A & D
(d) Only B & C
(e) Only B & D

Q62. Anurag spend 30% of his income in FD, 10% of remaining given to his mother, $11\frac{1}{9}$% of remaining spend in room rent. If Anurag divided remaining income between his son and daughter equally and difference between amount spend by Anurag in FD and amount given to his daughter is Rs. 2160, then find monthly income of Anurag (in Rs.)?
(a) 108000
(b) 105000
(c) 96000
(d) 84000
(e) 120000

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Q63. Anurag and Ayush starts a business with the initial capital of Rs. _____ and Rs. 8000 respectively. After _____ months Veer joined them with the initial capital of Rs. 12000 and after 10 months Anurag left the business. After one-year total profit of business is Rs. 117500 and profit share of Veer is Rs. 2500 more than that of Anurag.
(A) 12450 & 1
(B) 10150 & 5
(C) 9000 & 4
(D) 11300 & 2
(a) Only C & D
(b) Only A & D
(c) Only A, C & D
(d) Only A, B & C
(e) Only A, B & D

Q64. A sum of Rs. _____ invested in scheme 'A' at the rate of 16% p.a. for five years at simple interest. 75% amount from scheme 'A' invested in scheme 'B' offering compound interest at the rate of 20% p.a. for two years and the total interest from scheme 'B' is Rs. _____.
(A) 8500 & 5049
(B) 13000 & 7722
(C) 16000 & 6336
(D) 7500 & 5940
(a) Only C & D
(b) Only A & B
(c) Only A, C & D
(d) Only A & D
(e) All A, B, C & D

Q65. X number of men can complete a piece of work in 5 days and **Y** number of women can complete same piece of work in 5 days. 5 men and 4 women working together can complete same piece of work in 6 days. If efficiency of a woman is 87.5% more than efficiency of a man, then find in how many days **(X + Y)** men and **(X – Y)** women working together can complete 289% of the same work.
(a) 9 days
(b) 5 days
(c) 6 days
(d) 8 days
(e) 7 days

Directions (66-70): Find the wrong number in the following number series.

Q66. 810, 820, 832, 868, 1012, 1732, 6052
(a) 6052
(b) 810
(c) 868
(d) 832
(e) 1732

Q67. 1024, 350, 832, 508, 704, 604, 640
(a) 1024
(b) 640
(c) 704
(d) 350
(e) 508

Q68. 190, 210, 266, 358, 486, 646, 850
(a) 646
(b) 850
(c) 486
(d) 190
(e) 210

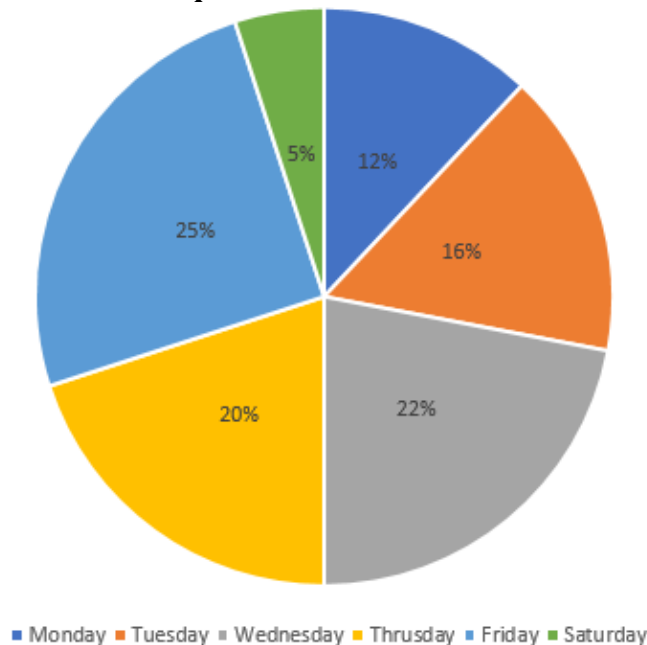**Q69.** 15, 50, 160, 370, 709, 1208, 1904
(a) 160
(b) 50
(c) 370
(d) 1208
(e) 15

Q70. 120, 170, 251, 367, 522, 720, 990
(a) 120
(b) 990
(c) 522
(d) 367
(e) 251

Directions (71-75): Given below pie chart shows percentage distribution of people visited to a restaurant on six different days of week, while table shows ratio of male to female out of them. Read the data carefully and answer the questions.

■ Monday ■ Tuesday ■ Wednesday ■ Thrusday ■ Friday ■ Saturday

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Days	Ratio of male to female
Monday	5 : 3
Tuesday	7 : 5
Wednesday	9 : 7
Thursday	2 : 1
Friday	8 : 7
Saturday	3 : 1

Q71. If difference between total female visited restaurant on Tuesday and total male visited restaurant on Saturday is 70, then find total number of male who have visited restaurant on Thursday & Friday together?
(a) 720
(b) 840
(c) 960
(d) 640
(e) 780

Q72. What will be the ratio of total female visited restaurant on Monday & Thursday together to total male visited restaurant on Friday?
(a) 67 : 90
(b) 67 : 92
(c) 63 : 80
(d) 65 : 93
(e) 67 : 80

Q73. If difference between male and female visited restaurant on Wednesday is 132, then find difference between total people visited restaurant on Friday & Saturday?
(a) 1080
(b) 960
(c) 1060
(d) 990
(e) 920

Q74. Total male visited restaurant on Monday & Thursday together is approximate what percent more than total female visited restaurant on Friday?
(a) 78%
(b) 84%
(c) 96%
(d) 64%
(e) 72%

Q75. If total female visited restaurant on Tuesday, Friday & Saturday together is 1175, then find total number of male visited restaurant on Monday & Thursday together?
(a) 1280
(b) 1250
(c) 1060
(d) 1190
(e) 1120

Directions (76-80): Each of the following question is followed by two quantities I, and II. You have to determine the value of the quantities using the information provided and accordingly compare the quantities. Mark your answer as per the instruction set provided below.

Q76. There are **'N'** numbers of cubes each having side 4 cm is melted and re-casted into a cylinder of radius 14 cm and height 64 cm.
Quantity I: Value of **'N +308'**.
Quantity II: Value of **'1.5N'**
(a) Quantity I ≥ Quantity II
(b) Quantity I = Quantity II
(c) Quantity I ≤ Quantity II
(d) Quantity I < Quantity II
(e) Quantity I > Quantity II

Q77. '**X**' kg of Rs. 72 per/kg wheat is mixed with 16 kg of Rs. 84 per/kg wheat, in order to earn profit of 10% while selling the mixture at Rs. 88 per/kg.
Quantity I: Value of **'X+40'**.
Quantity II: Value of **'6X'**
(a) Quantity I < Quantity II
(b) Quantity I ≤ Quantity II
(c) Quantity I > Quantity II
(d) Quantity I ≥ Quantity II
(e) Quantity I = Quantity II

Q78.
$$\frac{1}{a} + \frac{1}{b} = ?$$
Quantity I: a & b are roots of equation $x^2 + x - 6 = 0$
Quantity II: $a^2 + b^2 = 20; ab = 8$
(a) Quantity I > Quantity II
(b) Quantity I ≥ Quantity II
(c) Quantity I < Quantity II
(d) Quantity I ≤ Quantity II
(e) Quantity I = Quantity II or no relation

Q79. Quantity I: Time taken by Prabhas to cover a distance of 200 km (without stoppage) by car through which he covers a distance of 100 km in 1 hour when he stops to get fuel for 10 minutes.

Quantity II: Time taken by Nagarjuna to travel 20 km downstream if speed of boat and speed of stream be 7 kmph & 3 kmph respectively.

(a) Quantity I>Quantity II

(b) Quantity I≥Quantity II

(c) Quantity I<Quantity II

(d) Quantity I≤Quantity II

(e) Quantity I=Quantity II or no relation

Q80. There are 3 red and 5 blue balls in the urn.

Quantity I: the probability of drawing 1 red ball and 2 blue balls.

Quantity II: the probability of drawing 2 red balls and 1 blue ball.

(a) Quantity I>Quantity II

(b) Quantity I≥Quantity II

(c) Quantity I<Quantity II

(d) Quantity I≤Quantity II

(e) Quantity I=Quantity II or no relation

Directions (81-86): Read the following passage and answer the questions based on the information provided in the passage.

The irony of today's India is that while our politics is looking towards our history more often than ever before, we are also becoming comfortable with its constant manipulation. The controversial Article 35A of the Constitution, which is currently being challenged in the Supreme Court, is a case in point. Its critics have argued that the Article affords Jammu and Kashmir undue powers, particularly by preventing non-State residents to own land in the State. The media has largely gone along with this explanation, often portraying the debate as a question of "special status" of Jammu and Kashmir and the Article as some sort of unusual concession to the State. In fact, the fundamental purpose of Article 35A, when it was introduced in 1954 as part of a Presidential Order, was the exact opposite: instead of giving the state a "special status", it was designed to take autonomy away from it.

The Article was introduced in May 1954 as part of a larger Presidential Order package, which made several additions to the Constitution (not just Article 35A). The overall gist of this Order was to give the Government of India enormously more powers over the State than it had enjoyed before. For the first time, India's fundamental rights and directive principles were applicable to Jammu and Kashmir and the State's finances were integrated with India. Importantly, the Order also extended the Indian Supreme Court's jurisdiction over certain aspects of Jammu and Kashmir. Just as crucially, the Order had come about only after the Jammu and Kashmir government had agreed to it and passed a similar legislation in its own Constituent Assembly, making it clear that these powers were Jammu and Kashmir's to give, not India's to take. No eyebrows were raised over the minor issue of Article 35A, which made up a very small component of the Order.

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Of course, the larger problem is that after decades of confusion and purposeful *obfuscation*, we tend to forget that initially Kashmir was conceived as a State with "special status". The controversial Instrument of Accession signed by Maharaja Hari Singh in 1947 which brought the State into the Union of India gave New Delhi control only over Kashmir's defence, foreign policy and communications. On all other matters, the State government retained powers. India's tenuous grasp over Jammu and Kashmir was further complicated by New Delhi's international commitment to hold a plebiscite in the State to decide its eventual fate. It is because of this weak India-Kashmir constitutional link that Sheikh Abdullah became "Prime Minister" of Kashmir; the State had its own Constituent Assembly and flag; there were customs checks between India and the State; the Supreme Court did not have jurisdiction over key issues in the State; Kashmir militia was constituted as a separate force; and Srinagar tried to send its own trade commissioners to foreign countries. India's fundamental rights and directive principles were not applicable in Jammu and Kashmir at all.

Only in 1952, after the international clamour for an immediate plebiscite had somewhat subsided, did Jawaharlal Nehru invite Abdullah to discuss how India and Jammu and Kashmir could be more closely integrated. The result was the 1952 Delhi Agreement which, contrary to popular belief, still fell short of the 1954 Presidential Order. For instance, the 1952 agreement did not finalise financial integration and required the fundamental rights and citizenship to be granted to the State's residents via the State Legislature. Before the Delhi Agreement could be implemented, the situation was changed radically because of three factors. First, any plans for an immediate Plebiscite were abandoned in 1954, which strengthened New Delhi's hand. Second, in 1953, Nehru faced a nationwide campaign from the Hindu right-wing demanding greater integration of Kashmir. And finally, and perhaps most importantly, in August 1953, Abdullah was arrested and replaced by Bakshi Ghulam Mohammed, who was far more amenable to integration with India.

So, in January 1954, New Delhi negotiated a new agreement with Bakshi, which was passed by the Kashmir Constituent Assembly in February, and eventually introduced through Presidential Order in May. However, it still left the State with enormous autonomy. Foremost, all "residuary powers" rested with the State legislature. The State government could detain people who did not enjoy the right to appeal to the Supreme Court. It also retained its controversial land reforms measures and the final authority over any alteration of the State's boundaries. Among its lesser known provisions at the time was Article 35A, a holdover from the colonial era. It took another 70 years of successive governments steadily **chipping away** at Jammu and Kashmir's autonomy to bring it to today, when the only meaningful "special status" that it enjoys is Article 35A. Almost all of State's other autonomous powers have been subsumed by New Delhi.

Q81. What were the sum and substance of the Presidential Order of 1954?
(i) incorporation of finances of Jammu and Kashmir with those of Indian government
(ii) more powers were entrusted to government at Centre over the issues relating to Jammu and Kashmir
(iii) implementation of the fundamental rights and directive principles (as listed in Indian Constitution), on the state of Jammu and Kashmir
(iv) expansion of jurisdiction of Supreme court over certain matters relating to the state
(a) only (ii) and (iv)
(b) only (i), (ii), (iv)
(c) only (ii), (iii), (iv)
(d) all of the above
(e) only (i), (ii), (iii)

Q82. How did the new agreement with Bakshi ensure to maintain the autonomy of Jammu and Kashmir?
(a) the authority to take decision regarding the boundaries were not within the purview of New Delhi
(b) it was still left to the State to deal with the matters related to residuary powers
(c) the land reform measures of Jammu and Kashmir were not done away with
(d) State had the right to detain people who could not appeal to the Supreme Court of India
(e) all of the above

Q83. Which of the following was not the reason for altered circumstances before the execution of agreement signed between Nehru and Abdullah?
(a) the arrangements for the referendum were disclaimed
(b) the rising demand for better inclusion of Kashmir with rest of India
(c) constant negotiation with State Legislature as for a federal nation-building
(d) the new leader of Kashmir was more receptive to integration of Kashmir with India
(e) all are correct

Q84. In which of the following statements, the phrase "***chipping away at***", used in similar context as that of the passage given above?
(a) The Armed Forces are ***chipping away at*** conscription and go over to a volunteer system.
(b) The authority will take away their democratic rights by ***chipping away at*** the Panchayats (Extension to Scheduled Areas) Act.
(c) Out of power at the Centre, the Congress has kept ***chipping away at*** the BJP in the states, keeping itself relevant.
(d) Only (b) and (c)
(e) All of the above

Q85. Which of the following phrase correctly infers the meaning of the phrase "***No eyebrows were raised***", as used in the above passage?
(a) typically an action, that is objectionable or prohibited
(b) no influence on some decision or course of action
(c) not having equal conditions in a contest.
(d) not being surprised or disapproved with something
(e) none of these

Q86. Which of the following is not true, as per the information given in the above passage?
(i) Although financial integration was ensured under the 1952 Agreement but fundamental rights were left under the jurisdiction of State.
(ii) Article 35A prohibits non-residents of Jammu & Kashmir to own land in the state.
(iii) The instrument of accession was signed in 1947 between New Delhi and Maharaja Hari Singh of Kashmir.
(a) only (iii)
(b) only (i)
(c) both (i) and (ii)
(d) all are correct
(e) all are incorrect

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Directions (87-94): Read the passage given below and answer the questions based on the information available in the passage.

Fake video and audio streams that appear to be real can **ruin** the reputations of your executives and your company. They can cost you money. They can even cost you your job. Fortunately, there are steps you can take that can help. If you're at all familiar with the term "deep fake" you probably think about it in terms of fake videos about celebrities or politicians where they're already being used as parts of disinformation campaigns. In some cases these fake videos are part of extortion campaigns, in other cases they're produced as a way to discredit government leaders. But such fakes are already showing up in attempts to extract money from companies as well.

A deep fake is a media stream that's been created using artificial intelligence by modifying existing information to create a new media stream that purports to be someone saying or doing something that didn't actually do. Technology that does this has been around for a while, but what's changed is that these fakes are getting so good that it's nearly impossible to tell the difference between something that's real and something that's not. The fake video is created by feeding the AI software a series of images, either still photos or real video, and feeding it voice clips. The software then uses those images, which will show the subject in a variety of positions, to create an image of them that seems to be moving in real time. It also analyzes the voice recordings of the subject, which allows it to create a new voice that sounds like that of the subject, including subtle characteristics that will lend credence to the fake.

In the past the voices were done by actors impersonating the subject, but now that's changed and the AI creates a voice that's much more realistic. A good example of a fake video that uses a voice actor can be found in video of former President Barack Obama seemingly discussing such fakes. "Audio deep fakes are a big threat," said Adam Kujawa, director of Malwarebytes Labs. "They can be used for CEO fraud. If your company doesn't have some confirmation of expenditures, you can fall victim." By now most executives in most large companies are aware of the type of CEO fraud in which a senior executive, frequently the CEO, appears to send an email to another person in their company that requests the transfer of a large sum of money. In the past, that money was transferred without question, resulting in a big loss when it turned out that the request was fraudulent. Because of this fraud, companies usually require a second means of authentication, usually a phone call with the person requesting the transfer. What happens with voice fakes is that the person transferring the money may find a message in their voice mail, perhaps with the CEO's Caller ID, verbally authorizing the transfer. But what's really happened is that the voice is a fake, and _____(1)_____.

Audio deep fakes can be used in a variety of fraudulent activities beyond CEO fraud. Such fakes can be used to subvert the procurement process and even to disrupt business relationships. But video deep fakes can also be used to **disrupt** business in another way. Suppose, for example, your CEO shows up on a video saying something that can cause your company's stock value to swing wildly. By the time your PR staff can put out the word that the video is a fake, a ruthless investor could have used your temporary misfortune to cash in on those wild stock swings or cause other damage to your company's reputation. How you handle these fakes depends on exactly what type of activity you're encountering. For attempts at fraud you will need to create a means of authentication that you actually control. This means that your company will need to create a policy that's intended to prevent CEO or procurement fraud. One example of how this might work is to require that the person making the transfer initiate the authentication. This means that they call the CEO's personal cell phone using a number that's already on file in the company records. Because Caller ID can be spoofed, and because you can't trust someone who calls you, that means you can't accept any inbound call as a means of authentication.

When you make this policy, you must also accompany this policy with one that protects the person who is insisting on authentication. Your employee manual must specifically say that they can't be punished for following that rule if they were acting in good faith. The same is true with procurement fraud. There, the most effective policy is to simply not accept orders over the phone. If you can't do that, then set a limit above which you must make an authentication call using a number you already have.

Q87. Which of the following has been a new sphere where the fakes are encroaching?
(a) within the media agencies to scatter fake information
(b) within the government agencies to imposter the politicians
(c) both (a) and (b)
(d) within companies to exact large sum of money
(e) none of these

Q88. How did the alternative means of authentication fail in case of large money transfers in companies?
(a) prescribed disclosure norms were not followed by the companies thus resulting in failure to communicate before transfers
(b) possession of undisclosed price-sensitive information in wrongful hands
(c) both (a) and (b)
(d) failure on the behalf of communications department to expose the true nature of emails
(e) technological systems are learning speech cadences with duped identity which could validate the transactions

Q89. The author is in line with which of the following with relation to 'deep fakes'?
(a) technological advancement has made it unthinkable to identify the shammed messages
(b) they usually portray someone doing or saying something which didn't happen in real
(c) already available information is altered to create fakes
(d) both (a) and (b)
(e) all of the above

Q90. How could the deep fakes impair a company?
(i) illegal trade of stocks which could potentially harm the economy as a whole
(ii) investors could take advantage of rapid change of the value of stocks of the company
(iii) cause wear and tear to the stature of the company
(iv) there is no fair demand and supply of stocks resulting in insider trading
(a) only (i), (iii), (iv)
(b) only (ii), (iii), (iv)
(c) only (ii) and (iii)
(d) only (i) and (iv)
(e) all of the above

Q91. Which of the following statements is not true in context of the information available in the passage?
(a) a series of images or a video could be used to create artificial intelligence enabled fakes
(b) setting limit over the value of orders taken over call could reduce the cases of deception caused in procurement procedure
(c) emails for transfer of large amounts are sent after sending malware to the CEOs system.
(d) all are correct
(e) all are incorrect

Q92. Which of the following word is similar to **DISRUPT**, as highlighted in the passage given above?
(a) precipitate
(b) hamstring
(c) expedite
(d) remit
(e) none of these

Q93. Which of the following phrases can fit in the blank (1), to make the statement grammatically correct and contextually meaningful?
(a) the false nature of the video
(b) able to trust instructions given in person
(c) trust anyone without authentication
(d) the phone number is spoofed
(e) coming to emails and phone calls

Q94. Which of the following word is similar to **RUIN**, as highlighted in the passage given above?
(a) refurbish
(b) overhaul
(c) wreck
(d) streamline
(e) none of these

Directions (95-100): Read the following passage and answer the questions based on the information available in the passage.

In 1977 the prestigious Ewha Women's University in Seoul, Korea, announced the opening of the first women's studies program in Asia. Few academic programs have ever received such public attention. In broadcast debates, critics dismissed the program as a **betrayal** of national identity, an imitation of Western ideas, and a distraction from the real task of national unification and economic development. Even supporters underestimated the program; they thought it would be merely another of the many Western ideas that had already proved useful in Asian culture, akin to airlines, electricity, and the assembly line. The founders of the program, however, realized that neither view was correct. They had some reservations about the applicability of Western feminist theories to the role of women in Asia and felt that _____(1)_____. Their approach has thus far yielded important critiques of Western theory, informed by the special experience of Asian women.

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For instance, like the Western feminist critique of the Freudian model of the human psyche, the Korean critique finds Freudian theory culture-bound, but in ways different from those cited by Western theorists. The Korean theorists claim that Freudian theory assumes the universality of the Western nuclear, male-headed family and focuses on the personality formation of the individual, independent of society. An analysis based on such assumptions could be valid for a highly competitive, individualistic society. In the Freudian family drama, family members are assumed to be engaged in a Darwinian struggle against each other—father against son and sibling against sibling. Such a concept projects the competitive model of Western society onto human personalities. But in the Asian concept of personality there is no ideal attached to individualism or to the independent self. The Western model of personality development does not explain major characteristics of the Korean personality, which is social and group-centered. The "self" is a social being defined by and acting in a group, and the well-being of both men and women is determined by the equilibrium of the group, not by individual self-assertion. The ideal is one of interdependency.

In such a context, what is recognized as "dependency" in Western psychiatric terms is not, in Korean terms, an admission of weakness or failure. All this bears directly on the Asian perception of men's and women's psychology because men are also "dependent." In Korean culture, men cry and otherwise easily show their emotions, something that might be considered a betrayal of masculinity in Western culture. In the kinship-based society of Korea, four generations may live in the same house, which means that people can be sons and daughters all their lives, whereas in Western culture, the roles of husband and son, wife and daughter, are often incompatible.

Q95. Which of the following statements is incorrect in context of the Freudian family drama?
(a) individualism is not considered an ideal state
(b) family members usually undertake a specific form of struggle against each other
(c) it represents an ambitious model of human character
(d) all are correct
(e) both (b) and (c)

Q96. What was the stance of supporters regarding women's studies program introduced in Ewha Women's University?
(a) an idea similar to many developments introduced by Western world in Asia including electricity and airlines
(b) an idea that could lead to better unification of the nation
(c) an idea from the West which have turned out to be competent in Asian society
(d) both (a) and (c)
(e) all of the above

Q97. The Korean theorists have not critiqued the Western feminist theories for?
(a) Western societies exert undue importance to society
(b) Western societies assume that the system of families headed by a male member is applicable in all cultures around the globe
(c) Families are often found competing among themselves
(d) Importance is given to individualism
(e) only (b), (c), (d)

Q98. In the Korean psychiatric terms, dependency relates to?
(i) portrayal of emotions by men is not duplicity to manliness
(ii) an admission of weakness or failure
(iii) living of several generation together in a single house
(iv) division of roles among the family members
(a) only (ii), (iii), (iv)
(b) only (ii) and (iv)
(c) only (i) and (iii)
(d) only (i), (ii), (iii)
(e) all of the above

Q99. Which of the following phrases could fit in the blank (1), of the passage given above?
(a) brings perspective to myriad social issues
(b) such theories should be closely examined
(c) global discourse of feminism
(d) pay special attention to modern and contemporary media forms
(e) none of these

Q100. Choose the word which is opposite to '**BETRAYAL**', as highlighted in the passage given above?
(a) revelation
(b) deception
(c) divulgence
(d) allegiance
(e) none of these

Directions (101-107): In each of the statements given below, four words have been highlighted. One of the words may be incorrectly spelt. Identify the word which has been incorrectly spelt. If all the highlighted words are correct, choose (E), 'no error', as your answer.

Q101. The **celebrations** in its capital followed the **announcement** of the results of a **refferendum** — an **overwhelming** 98 per cent voted to be independent from Papua New Guinea.
(a) announcement
(b) celebrations
(c) overwhelming
(d) refferendum
(e) no error

Q102. The German **authorities** declared on Wednesday that Russia was suspected of being behind the daylight **assasination** in Berlin this summer of a former fighter with Chechen **separatists**. Berlin also expelled two Russian **diplomats**, adding new strains to relations with Moscow.
(a) authorities
(b) assasination
(c) separatists
(d) diplomats
(e) no error

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Q103. Russian authorities today said that "Apple **fulfilled** its **obligations** and brought the applications on its devices in **complience** with the requirements of the Russian **legislation**."
(a) fulfilled
(b) obligations
(c) complience
(d) legislation
(e) no error

Q104. The project "Revolutionary Sensorium" **reconstructed** the 2018 Armenian revolution that took the country by storm, **transforming** Yerevan into a space where an energized multitude **exempilified** just what it means to be **revolutionary**.
(a) reconstructed
(b) exempilified
(c) revolutionary
(d) transforming
(e) no error

Q105. 2020 is a critical year for climate change: Countries will **renagotiate** their **commitments** at the UN climate change **conference** in Glasgow, but they'll have to take **extensive** action to avert a future crisis.
(a) renagotiate
(b) commitments
(c) conference
(d) extensive
(e) no error

Q106. Roger Federer, Rafael Nadal, and Novak Djokovic - the **terrific triumverate** has been ruling the tennis world with **disdain** for well over a **decade** now.
(a) terrific
(b) triumverate
(c) disdain
(d) decade
(e) no error

Q107. The beauty of the present judgment is that it **accommodates** the realities of power with requirements of legality in a way which **bequeaths** a **legitimacy** which is **conducive** to public peace if not harmony.
(a) accommodates
(b) bequeaths
(c) legitimacy
(d) conducive
(e) no error

Directions (108-110): Rearrange the following sentences in the proper sequence to form a meaningful paragraph and then answer the questions given below.

(A) But there is new research suggesting that businesses are actually taking significant action to improve their impact on society and the environment.

(B) Over the past few years, societal impact has been growing as an area of interest for businesses.

(C) This shows a shift, even just from last year's survey report, in which executives expressed uncertainty about how they could influence the direction of Industry 4.0 and its impact on society.

(D) Business leaders have voiced the belief that businesses should have a purpose beyond profits, and uphold a responsibility to society and the environment.

(E) This school of thought is sometimes met with skepticism from those who doubt the commitment of businesses to do good.

(F) According to this new research, published in a report by Deloitte Global, societal impact has become the most important factor organizations use to evaluate their annual performances, outranking financial performance and employee satisfaction.

Q108. If the statement (A), "*But there is new research suggesting that businesses are actually taking significant action to improve their impact on society and the environment*" is the FOURTH sentence after rearrangement, which of the following statement should THIRD sentence after the rearrangement?
(a) E
(b) C
(c) D
(d) B
(e) F

Q109. If the statement (A) "*But there is new research suggesting that businesses are actually taking significant action to improve their impact on society and the environment*" is the FOURTH sentence after rearrangement, which one of them is formed with two consecutive statements after the rearrangement?
(a) B-E
(b) A-C
(c) D-E
(d) D-F
(e) A-D

Q110. Which of the following statements can connect the statement 5th and 6th sentences of the passage after rearrangement?
(a) External political pressure continues to be a major driver for the resignation.
(b) These findings are based on a survey of more than 2,000 C-suite executives across 19 countries.
(c) both (b) and (d)
(d) Despite these concerns, leaders report a commitment to initiatives that benefit businesses.
(e) None of these

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Q111. If the statement (A) "*But there is new research suggesting that businesses are actually taking significant action to improve their impact on society and the environment*" is the FOURTH sentence after rearrangement, identify the correct sequence of the sentences to form a coherent paragraph.
(a) CDBAFE
(b) CBDAFE
(c) BDEAFC
(d) DBEACF
(e) None of these

Directions (112-115): In the following questions a sentence is given, with some words given in bold which may have spelling error or may be contextually incorrect. Two columns (I) and (II) are given, column (I) consists of bold word given in the sentence and column (II) consists of the appropriate replacement for the bold words. Match the correct replacements. If the sentence is correct mark "no error" as your answer.

Q112. The Alphonse Mucha lithograph is meant to **adulate** the Job cigarette rolling paper company, as its name **indicates** and it's easily recognizable as a Mucha work just from the figure's **swirling** hairstyle.
COLUMN I
(A) adulate
(B) indicates
(C) swirling
COLUMN II
(D) advertise
(E) modernize
(F) spacious
(a) only B-E & C-F
(b) only A-D
(c) ONLY C-F
(d) A-D, B-E, C-F
(e) No error

Q113. Known for its **interoperable** e-learning platforms and scalable government/enterprise resource planning solutions, ITG **affluence** societies and organizations through increasing efficiency, productivity, and **effectiveness**.
COLUMN I
(A) interoperable
(B) affluence
(C) effectiveness
COLUMN II
(D) lethargic
(E) empowers
(F) flinching
(a) Only C-F
(b) A-D & B-E
(c) only B-F
(d) only B-E
(e) No error

Q114. Mr. Tahabsem presented the students with guidance and advice to consider for their **vision** to the future, their **stoical** choices on educational majors, the skills needed for success, how to handle any **voluble**, and how to stay focused.

COLUMN I

(A) vision

(B) stoical

(C) voluble

COLUMN II

(D) indolent

(E) upcoming

(F) obstacles

(a) A-D, B-E & C-F

(b) Only A-D & B-E

(c) Only B-E & C-F

(d) Only A-D

(e) No error

Q115. The Fourth Industrial Revolution reduces the **barriers** between physical and digital **systems**, where everything from artificial intelligence, 5G, 3D printing, and the Internet of Things will play a role in **transforming** industries across the board.

COLUMN I

(A) barriers

(B) systems

(C) transforming

COLUMN II

(D) sluggish

(E) omission

(F) reclusion

(a) only A-D

(b) A-D & C-F

(c) B-D & C-F

(d) only B-D

(e) No error
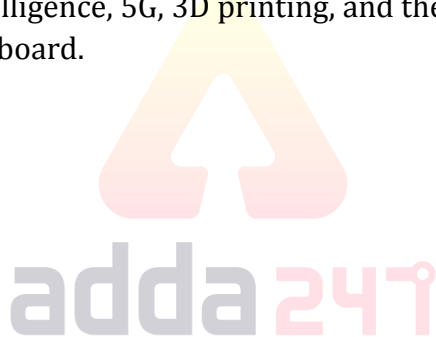
Directions (116-120): Six statements are given in jumbled fashion. Arrange the parts of the statement. Also, one of the parts may or may not contain grammatical error after the arrangement. Based on these six statements, answer the questions following the statements.

[I] jobs, public services, and an end to corruption (A)/ the incident has been universally (B)/ condemned by all, who have been (C)/ out on the streets since October 1 demanding (D)

[II] its inner workings at hand, Anna found it (A)/ a system, and where its voters fit into the picture (B)/ even with so much knowledge about (C)/ difficult how the EU worked as (D)

[III] a historic sporting event, a study has revealed (A)/ with sports tourism gaining momentum in the (B)/ lose their jobs than not been able to attend (C)/ country, 41 per cent of respondents said they would rather prefer to (D)

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[IV] recent season Dries Van Noten, (A)/ Calvin Klein and Stella McCartney (B)/ pieces can all be picked up for an absolute (C)/ fraction (and I mean a fraction) of their original price. (D)

[V] during election time, but agreed the donation (A)/ declaration threshold to lower down (B)/ Councillor Fisher Wang said $4000 (C)/ would not be enough to "get the word out" (D)

Q116. What will be the correct arrangement of the parts of statement (I)? Also, identify the part which contains grammatical error.
(a) ACBD; B
(b) CABD; D
(c) BCDA; C
(d) CABD; A
(e) DBAC; No error

Q117. What will be the correct arrangement of the parts of statement (III)? Also, identify the part which contains grammatical error.
(a) ACDB; D
(b) CABD; C
(c) DBCA; B
(d) BDCA; C
(e) BDCA; NO ERROR

Q118. What will be the correct arrangement of the parts of statement (V)? Also, identify the part which contains grammatical error.
(a) ACBD; C
(b) CDAB; B
(c) ADBC; A
(d) DBAC; D
(e) None of these

Q119. What will be the correct arrangement of the parts of statement (II)? Also, identify the part which contains grammatical error.
(a) BACD; C
(b) CADB; D
(c) CBDA; A
(d) DABC; C
(e) ACBD; NO ERROR

Q120. What will be the correct arrangement of the parts of statement (IV)? Also, identify the part which contains grammatical error.
(a) DABC; A
(b) ABCD; C
(c) ABCD; B
(d) BACD; C
(e) ABCD; no error
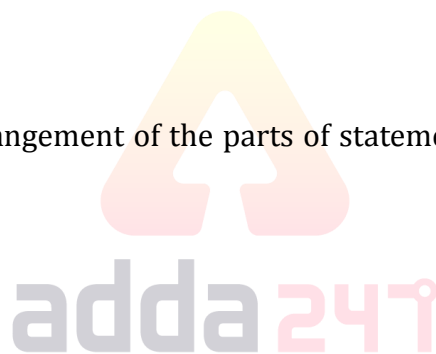
Q121. What is an E-mail?
(a) An Internet standard, which allow users to upload and download files
(b) An online area on which a user can converse in written form about any special subject
(c) Transmission of files and messages through computer network
(d) A real time typed conversion
(e) None of these

Q122. Which of the following is the short cut key combination to make text bold in MS Excel?
(a) Ctrl + Down Arrow Key
(b) Ctrl + 2
(c) Ctrl + 3
(d) Ctrl + 4
(e) None of these

Q123. Which of the following programs is used to restrict access to selected websites?
(a) Channels
(b) Filters
(c) Browsers
(d) Telnet
(e) None of these

Q124. A term for retrieving software or other files on your computer from a computer network or Internet.
(a) Upload
(b) Download
(c) Sharing
(d) Mailing
(e) None of these

Q125. _____ is a set of computer programs used on a computer to help perform tasks.
(a) An instruction
(b) Memory
(c) A processor
(d) Software
(e) None of these

Q126. Which part of the CPU coordinates all the activities of a computer system?
(a) Motherboard
(b) Coordination board
(c) Control unit
(d) Arithmetic and logic unit
(e) None of these

Q127. In MS WORD Translate feature is available under which Tab?
(a) Page layout
(b) Review
(c) Home
(d) Change
(e) Edit

Q128. Which of the following key is used to Rename a selected file?
(a) F1
(b) F2
(c) F5
(d) F9
(e) F4

Q129. Which type of error can be find out by a compiler?
(a) Syntax error
(b) Semantics error
(c) Logical error
(d) Execution error
(e) None of these

Q130. _____ ensures secure transfer of data over an unsecured network, such as the Internet.
(a) Antivirus
(b) Hacking
(c) Cracking
(d) Cryptography
(e) None of these

Q131. Which can read data and convert them to a form that a computer can use?
(a) Logic
(b) Control
(c) Output device
(d) Storage
(e) Input device

Q132. which of the following is most important or powerful computer in a typical network?
(a) desktop
(b) network server
(c) network client
(d) network station
(e) None of these

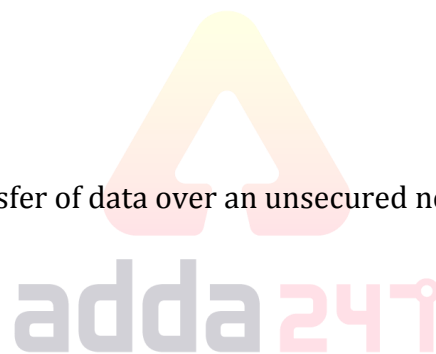**Q133.** What key uniquely identifies a record in a database table?
(a) Main key
(b) Principal key
(c) Foreign key
(d) Primary key
(e) None of these

Q134. Which of the following converts all the source code into machine code, creating an executable file.
(a) linker
(b) assembler
(c) compiler
(d) interpreter
(e) None of these

Q135. What type of telecommunications hardware allows you to access the web?
(a) Browser
(b) Modem
(c) FTP protocol
(d) IRC
(e) none of these

Q136. Which type of software coordinates the interaction of technology devices?
(a) Application software
(b) RAM
(c) Utility software
(d) Systems software
(e) None of these

Q137. Which key is used in combination with another key to perform a specific task?
(a) Function
(b) Arrow
(c) Space bar
(d) Control
(e) None of these

Q138. Website is a collection of _____
(a) HTML documents
(b) Graphic files
(c) Audio and Video files
(d) All of the above
(e) None of these

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Q139. Which of the following is a set of rules for transferring data over a network?
(a) Protocol
(b) Program code
(c) Rules
(d) Flowchart
(e) None of these

Q140. Which of the following key is used to open the START menu?
(a) Ctrl+Esc
(b) Shift+Esc
(c) Alt+F4
(d) Alt+Enter
(e) None of these

Q141. The barcode which is used on all types of items, is read by a scanning device directly into the computer. What is the name of this scanning device?
(a) Laser scanner
(b) Wand
(c) OCR
(d) MICR
(e) None of these

**Q142.** Which of the following features lets you rotate the text in any direction?
(a) Text box
(b) Alignment
(c) Formatting
(d) Text rotation
(e) None of these

Q143. Which among the following is a software that uses a pattern-matching technique to examine all files on a disk looking for harmful code?
(a) Multimedia Player
(b) Backup software
(c) Driver imaging
(d) Antivirus Software
(e) None of these

Q144. Which of the following key use, when you want to make all letters capital without having to use the shift key for each character?
(a) shifter
(b) upper case
(c) caps lock key
(d) icon
(e) None of these
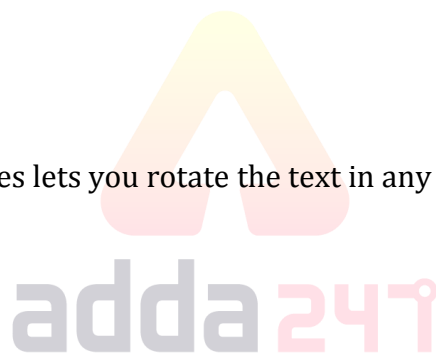
Q145. PDF stands for:
(a) Personal Document Format
(b) Printed Document Format
(c) Portable Document Format
(d) Programmable Document Format
(e) None of these

Q146. Which of the following software programs that allow you to legally copy files and give them away at no cost?
(a) Time sharing
(b) Public domain
(c) Shareware
(d) Commercial
(e) None of these

Q147. Plug-ins can add which of the following functionality to browsers?
(a) Play games
(b) Play audio files
(c) View animations
(d) View video files
(e) All of the above

Q148. A DVD is an example of a (n):
(a) Output device
(b) Hard disc
(c) Optical disc
(d) Solid-state storage device
(e) None of these

Q149. Web pages are created by using which among the following?
(a) SMTP
(b) HTML
(c) Usenet
(d) Internet
(e) None of these

Q150. Twisted pair wire are commonly used in:
(a) Telephone networks
(b) Cable TV networks
(c) Computer networks
(d) Both (a) & (b)
(e) None of these

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Q151. Which of the following is/are the primary feature(s) of DBMS?
(a) To provide an environment that is congenial to user
(b) To store the information
(c) To retrieve information
(d) All of the above
(e) None of the above

Q152. What is a specialized software program that allows input and output devices to
communicate with the rest of the computer system?
(a) Utility driver
(b) Utility program
(c) Data compression utility
(d) Device driver
(e) None of these

Q153. Artificial Intelligence is associated with which generation?
(a) First Generation
(b) Second Generation
(c) Third Generation
(d) Fifth Generation
(e) Sixth Generation

Q154. A device that connects to a network without the use of a cable is said to be:
(a) Distributed
(b) Non-Wired
(c) Centralised
(d) Open source
(e) Wireless

Q155. Which of the following is a saved shortcut that directs your browser to a specific webpage?
(a) History
(b) Bookmark
(c) Cookies
(d) Download
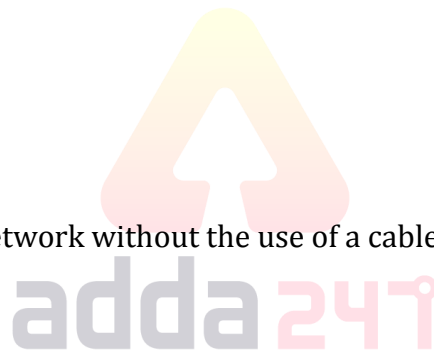(e) None of these

Q156. What is the function of control unit?
(a) Providing resources to another node on a network
(b) Performing complex task of logical and arithmetic functions
(c) Managing memory usage
(d) Directing the operation of the other units by providing timing and control signals.
(e) All of the above

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Q157. What are responsible for storing permanent data and instructions?
(a) RAM chips
(b) ROM chips
(c) DRAM chips
(d) All of the above
(e) None of the above

Q158. Verification of a login name and password is known as:
(a) configuration
(b) accessibility
(c) authentication
(d) logging in
(e) None of these

Q159. Which of the following features is used to count the number of pages, words, characters, paragraphs and lines in a Word document?
(a) Orientation
(b) Page Count
(c) Word Count
(d) Margin
(e) None of these

Q160. A commonly used graphic format for the Web is _____.
(a) GIF
(b) BMP
(c) TXT
(d) LMP
(e) None of these

Q161. Which Railway zone has launched 'Operation My Saheli' to enhance security of women passengers?
(a) Southern Railways
(b) North Western Railways
(c) Central Railways
(d) South Eastern Railways
(e) Western Railways

Q162. Which state's Chief Minister has launched Jala Kala scheme?
(a) Bihar
(b) Rajasthan
(c) Andhra Pradesh
(d) Assam
(e) Haryana

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Q163. Which country has become the first to use facial verification in national ID?
(a) India
(b) US
(c) South Korea
(d) Hong Kong
(e) Singapore

Q164. Moctar Ouane has been appointed as the new prime minister of which of the following country?
(a) Nigeria
(b) Mali
(c) Eritrea
(d) Sudan
(e) Yemen

Q165. Who has been appointed as new chairman of Telecom Regulatory Authority of India (TRAI)?
(a) PD Vaghela
(b) Rajat Sud
(c) AK Dixit
(d) Simanchala Dash
(e) Anil Dhasmana

Q166. Who has been honoured with Lata Mangeshkar award 2020-21?
(a) Asha Bhonsle
(b) S P Balasubramaniam
(c) Chhannulal Mishra
(d) Usha Mangeshkar
(e) Venu Srinivasan

Q167. Who has won the All India Football Federation (AIFF) Player of the Year Award for 2019-20 season?
(a) Gurpreet Singh Sandhu
(b) Sanju Yadav
(c) Ratanbala Devi
(d) Both a & b
(e) Both b & c

Q168. Which state government has launched "Moksh Kalash yojana 2020" for special free bus service?
(a) Karnataka
(b) Tripura
(c) Madhya Pradesh
(d) Rajasthan
(e) Assam

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Q169. With which country India has begun joint security patrol along border in Kapilvastu?
(a) Nepal
(b) Bhutan
(c) Pakistan
(d) Sri Lanka
(e) Myanmar

Q170. Which company has launched "Make Small Strong" campaign in India to help support small businesses?
(a) Microsoft
(b) Tesla
(c) Amazon
(d) Facebook
(e) Google

Q171. Who has been appointed as UNEP regional ambassador for India?
(a) Yerry Mina
(b) Viswanathan Anand
(c) Manushi Chhillar
(d) Khushi Chindaliya
(e) Ashok Michael Pinto

Q172. The world's longest highway tunnel above 10,000 ft named as Atal tunnel is how much long?
(a) 7.13 km
(b) 8.54 km
(c) 9.02 km
(d) 10.67 km
(e) 11 km

Q173. Who has been roped in as brand ambassador for tutoring company Vedantu?
(a) Amitabh Bachchan
(b) Aamir Khan
(c) Yuvraj Singh
(d) Sonu Sood
(e) Virat Kohli

Q174. Indian Navy conducts Passage Exercise (PASSEX) with which country's Royal Navy?
(a) Australia
(b) France
(c) USA
(d) Spain
(e) England

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Q175. Name the Professional tennis player, former cricketer who has now won Brookwater Golf Club women's championship.
(a) Lexi Thompson
(b) Simona Halep
(c) Georgia Hall
(d) Ashleigh Barty
(e) Naomi Osaka

Q176. Name the High-speed Expendable Aerial Target (HEAT) whose flight testing has been successfully conducted from Odisha test range.
(a) AARAMBH
(b) ADVITIYA
(c) AMBAR
(d) AGNI
(e) ABHYAS

Q177. HRD Ministry has been renamed as Ministry of Education. Who is the head of the Ministry of Education?
(a) Piyush Goyal
(b) Prakash Javadekar
(c) Ramesh Pokhriyal Nishank
(d) S Jaishankar
(e) Pralhad Joshi

Q178. Who has been appointed as the new president of FTII society and chairman of governing council of FTII?
(a) Shekhar Kapur
(b) Paresh Rawal
(c) Aveek Sarkar
(d) Hemant Khatri
(e) Vinkesh Gulati

Q179. Name the Flight Lieutenant who will be the first woman fighter pilot to fly Rafale.
(a) Shivangi Singh
(b) Anna Chandy
(c) Ashapurna Devi
(d) Aarti Saha
(e) Madeline Swegle

Q180. Who among the following has topped for 9th consecutive year in the Hurun India Rich list 2020?
(a) Shiv Nadar
(b) Ratan Tata
(c) Gautam Adani
(d) Mukesh Ambani
(e) Azim Premji

Q181. RBI will repel the final tranche of the capital conservation buffer (CCB) and the implementation of NSFR by six months i.e. April 1, 2021. What does the 'S' in NSFR stands for?
(a) Statistics
(b) Security
(c) Stable
(d) Stock
(e) Settlement

Q182. Who has been roped by RBI for customer awareness campaign to prevent gullible account holders from being duped by fraudsters?
(a) Yuvraj Singh
(b) Aamir Khan
(c) Virat Kohli
(d) Sonu Sood
(e) Amitabh Bachchan

Q183. The Reserve Bank of India (RBI) conducted the "Financial Literacy Week 2020" from February 10 to February 14, 2020. What was the theme of the week?
(a) Know Your Customer
(b) Customer Protection
(c) Micro, Small and Medium Enterprises (MSMEs)
(d) Farmers and how they benefit by being a part of the formal banking system
(e) Safe Banking

Q184. The Union Cabinet has approved amendments to the Banking Regulation Act to empower the Reserve Bank of India (RBI) to have better control over_____.
(a) Urban Co-operative banks
(b) Multi-State Cooperative banks
(c) Payments Banks
(d) Small Finance Banks
(e) Both A and B

Q185. From when the "Positive Pay System" will be implemented by RBI for cheque payments (above Rs 50,000) to prevent cases of banking fraud?
(a) November 15, 2020
(b) December 31, 2020
(c) January 1, 2021
(d) January 31, 2021
(e) March 31, 2021

Q186. What is increased coverage amount of the 'Micro Bachat' plan which was earlier 1 lakh?
(a) 2 Lakh
(b) 2.5 Lakh
(c) 3 Lakh
(d) 4 Lakh
(e) 5 Lakh

Q187. Which bank has predicted the Indian economy is likely to become $7 trillion by 2030?
(a) Federal Bank
(b) Deutsche Bank
(c) ICICI Bank
(d) Barclays Bank
(e) Standard Chartered Bank

Q188. A Scheme for Promoting Innovation, Rural Industry and Entrepreneurship (ASPIRE) will be implemented through which bank?
(a) SBI
(b) IDBI
(c) SIDBI
(d) BOB
(e) PNB

Q189. Which bank's Card service has launched new brand campaign 'Contactless Connections'?
(a) Central Bank of India
(b) Punjab National Bank
(c) Canara Bank
(d) State Bank of India
(e) Allahabad Bank

Q190. Which Bank has emerged as winner in the "Most Customer Centric Bank Using Technology" category and runner up in "Best Payments Initiative" category among Small Banks?
(a) Karur Vyasa Bank
(b) South Indian Bank
(c) Bank of Maharashtra
(d) Central Bank of India
(e) Canara Bank

Q191. Baglihar Dam is constructed across the Chenab river , situated in which state of India?
(a) Haryana
(b) Rajasthan
(c) Jammu and Kashmir
(d) Punjab
(e) None of these

Q192. Mirzapur is situated on the bank of which river?
(a) Alaknanda River
(b) Ganga River
(c) Chambal River
(d) Adyar River
(e) Brahmaputra river

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Q193. The Koyna Hydroelectric power plants located in which state of India?
(a) Maharashtra
(b) Kerala
(c) Andhra Pradesh
(d) Uttarakhand
(e) None of these

Q194. International Women's Day is celebrated every year on
(a) 9th October
(b) 11th July
(c) 7th July
(d) 8th March
(e) None of the above

Q195. Raut Nacha Dance is a folk dance performed in which state?
(a) Himachal Pradesh
(b) Bihar
(c) Jammu and Kashmir
(d) Chhattisgarh
(e) None of these

Q196. Former cricketer and renowned commentator Dean Jones has passed away. From which country he belonged?
(a) England
(b) Australia
(c) South Africa
(d) New Zealand
(e) Ireland

Q197. Where is the Headquarters of Asian Development Bank?
(a) Shanghai, China
(b) Mandaluyong, Philippines
(c) Malaysia, Kuala Lumpur
(d) Geneva, Switzerland
(e) Beijing, China

Q198. Who has been appointed as brand ambassador of Bengal Peerless Housing Development Company Limited?
(a) Sourav Ganguly
(b) Aamir Khan
(c) Viswanathan Anand
(d) Rishabh Pant
(e) Both a & b

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Q199. What is the capital of Mali?
(a) Amsterdam
(b) Luanda
(c) Windhoek
(d) Maputo
(e) Bamako

Q200. On which date International Coffee Day is celebrated annually?
(a) 29 September
(b) 30 September
(c) 1 October
(d) 2 October
(e) 3 October

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