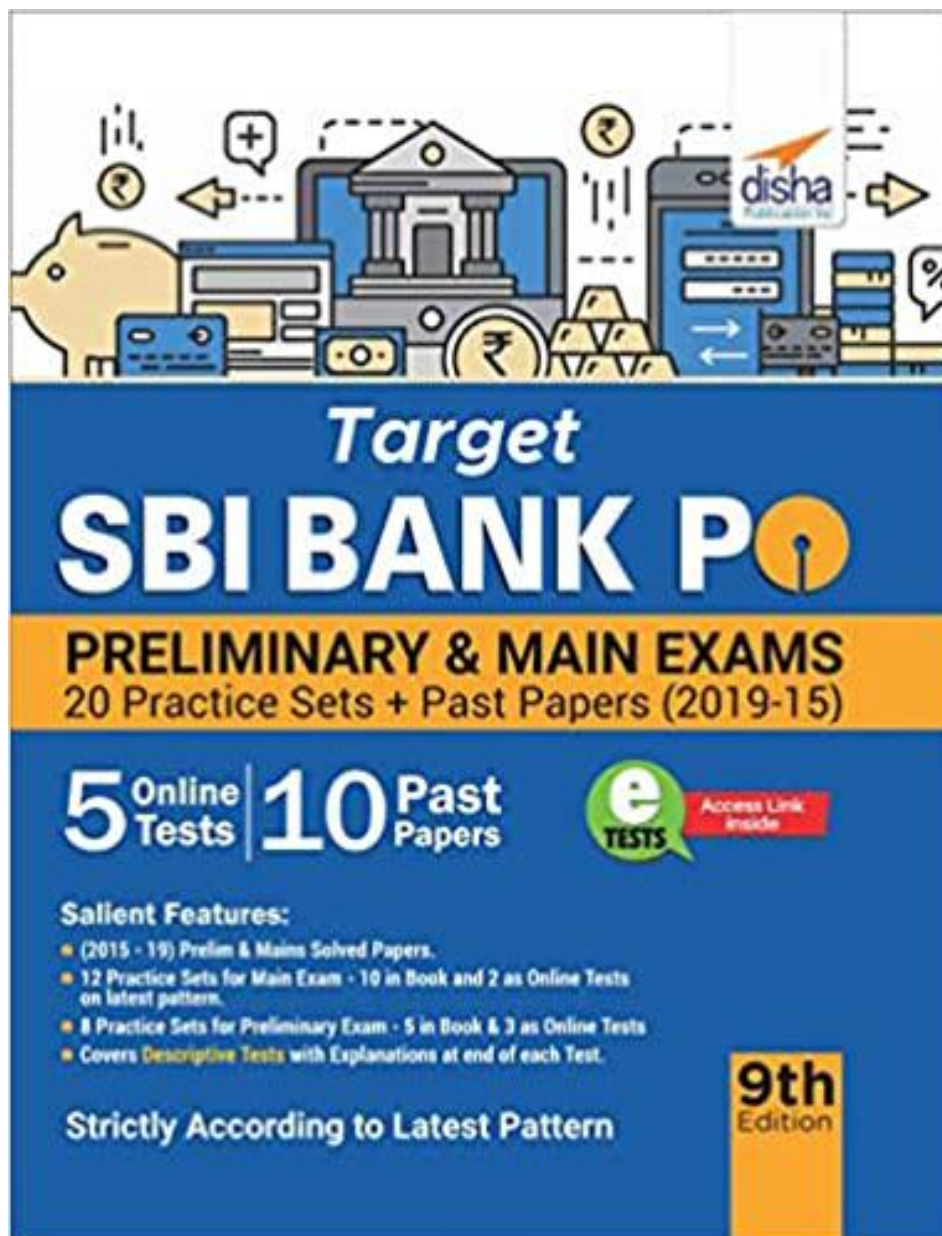


SBI PO Main Solved Paper-2019

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SBI PO MAIN EXAM 2019

Based on Memory

Reasoning & Computer Aptitude

DIRECTIONS (Qs. 1-3): Study the following information carefully and answer the questions given below

There are eight people A, B, C, D, E, F, G and H are sitting along two concentric Squares. All the persons are exactly sitting at the middle of the edges. Those who are sitting in the outer Square are facing the center and those who are sitting in the inner Square are facing away from the center. There are four females and four males and all are married people. Married couples are facing each other. (If P is married to Q then both are sitting in different circle and they face each other). The one who sits to the immediate right of C is not female person. H and A are married to each other. E and A are not sitting in the inner Square. The immediate neighbor of H is not a male. D is not a female person. Among G and A one of them is male. B is not an immediate neighbor of C and doesn't sit in inner Square. C is married to F who is sitting in the inner circle.

- D is married to ____?
 - The one who sits immediate left of G
 - The one who sits is second to the left of H
 - The one who sits immediate right of C
 - The one who sits immediate left of C
 - None of those given as option
- Four of the five among the following are similar in such a way to form a group, which one of the following doesn't belong to group?

(a) A, B	(b) E, C
(c) F, D	(d) G, H
(e) C, B	
- Who sits Immediate right of C's Spouse?

(a) D	(b) A
(c) H	(d) G
(e) None of the above	

DIRECTIONS (Qs. 4-5): Study the following information carefully and answer the questions.

$X \odot Y \rightarrow X$ is 17 m to the north of Y

$X \nabla Y \rightarrow X$ is 25 m to the east of Y

$X \otimes Y \rightarrow X$ is 22 m to the south of Y

$X \in Y \rightarrow X$ is 14 m to the west of Y

If $A \in B \otimes C \odot D \nabla E \otimes F$

- If Point P is 5m to the south of E, then what is the distance between Point P and Point A?

(a) 15m	(b) 23m
(c) 13m	(d) 6m
(e) None of the above	

- If $G \nabla F$ then what is the distance between G and B?

(a) 15m	(b) 27m
(c) 18m	(d) 20m
(e) None of the above	

DIRECTIONS (Qs. 6-8): Study the following information carefully and answer the questions given below.

Eight persons P, Q, R, S, T, U, V and W are sitting around a circular table facing towards the center.

- $X \in Y$ means X sits second to the left of Y
 - $X \nabla Y$ means X and Y sitting opposite to each other
 - $X \otimes Y$ means X is an immediate neighbor of Y
 - $X \odot Y$ means X sits third to the left of Y
 - $X \& Y$ means X sits third to the right of Y
 - $X \wedge Y$ means X is not an immediate neighbour of Y
- Given Statements: $W \& T \otimes V, Q \nabla T, R \in V, S \wedge U, T \wedge R \wedge U$**
- Which one of the following is correct?

(a) $W \odot S$	(b) $P \otimes S$
(c) $S \nabla Q$	(d) $V \otimes U$
(e) Both (a) and (d)	
 - If R and P interchange their positions and similarly W and V interchange their positions then what is the position of R with respect to V?

(a) Third to the left	(b) Third to the right
(c) Second to the left	(d) Immediate left
(e) None of these	
 - How many persons sit between U and S?

(a) One	(b) Two
(c) Three	(d) Four
(e) More than four	

DIRECTIONS (Qs. 9-13): Study the following information carefully and answer the questions

Input: 734269 825497 758646 219354 842579 321658

Step I: 962437 794528 576864 123945 975248 236185

Step II: 123945 236185 576864 794528 962437 975248

Step III: 135924 135268 574668 579248 379246 579248

Step IV: 3458 31048 352448 351832 211824 351832

Step V: 20 16 26 22 18 22

Input: 856347 856873 329584 623489 954265 574624

- If 20 is related to 22 in some way in step V and 235948 is related to 562459 in step II. In the same way, in step IV, 151832 is related to ____?

(a) 378658	(b) 743658
(c) 251824	(d) 743658
(e) 28	

10. What is the difference between the 3rd element from the right end in step III and the 1st element from the left end in step II?
 (a) 127643 (b) 143658
 (c) 118243 (d) 121520
 (e) None of these
11. Which element is 3rd to the left of the 2nd element from the left end in step V?
 (a) 22 (b) 20
 (c) 24 (d) 28
 (e) None of these
12. If IV step of an input is "15268 52431 35218 76921 46125". Which step will be the last step?
 (a) 22 15 19 25 18
 (b) 25 18 19 15 22
 (c) 18 25 19 15 22
 (d) Cannot be determined
 (e) None of these
13. Which of the following element represents the sum '33' in the III step?
 (a) 127643 (b) 357468
 (c) 572446 (d) 357472
 (e) None of these

DIRECTIONS (Qs. 14-18): Study the following information carefully and answer the questions.

In a certain code,

'Purse Hydrogen Action Found' is written as '@10L@3C¥8L@3B'

'Camera Winter Heart Party' is written as '@8P©3W¥8Y@3R'

'Freedom Special Fitness Board Health' is written as '@5Q@8F¥5J@3B¥5K'

'picture Forward Quality Alone' is written as '¥5W¥3C¥5C@5B'

14. What is the code for the word 'picnic time'?
 (a) @5A@3B (b) ¥5A@3B
 (c) @8A@6C (d) ¥5A¥5B
 (e) Cannot be determined
15. Which of the following word represents the code '¥5W'?
 (a) Sunday
 (b) Monday
 (c) Tuesday
 (d) Either Sunday or Monday
 (e) None
16. What is the code for the word 'picture'?
 (a) ¥6B (b) ¥5C
 (c) ¥8V (d) @8Q
 (e) Cannot be determined
17. What is the code for the words 'negative world'?
 (a) €8B@5A (b) €7B©5A
 (c) €9B©3A (d) €10C©3B
 (d) None
18. Which of the following word represents the code '@5R'?
 (a) Bracket (b) Torture
 (c) Special (d) Leaves
 (e) None

DIRECTIONS (Qs. 19-20): Study the following information carefully and answer the questions.

Seven Persons Ajay, Chorus, Farhan, Jay, Neeraj, Riya and Vineet, all related to Vineet in some way, facing north. Jay sits third from the extreme end. Vineet's father sits second to the right of Jay. Only three people sits between Vineet's father and Vineet's sister. As many people sit to the left of Vineet's sister as to the right of Vineet's mother. Only one person sits between Neeraj and Vineet's mother. Neeraj is the son of Chorus. Ajay sits third to the right of Chorus. Chorus is the father of Riya. Farhan sits to the immediate right of Riya. Vineet's wife sits second to the left of Vineet.

19. How many persons are sitting between Neeraj's wife and Ajay's husband ?
 (a) No one (b) One
 (c) Two (d) Three
 (e) More than three
20. What is the position of Jay with respect to her father-in-law?
 (a) Third to right (b) Second to left
 (c) Third to right (d) Fourth to right
 (e) Cannot be determined

DIRECTIONS (Qs. 21-25): Study the following information carefully and answer the questions.

A pentagon having 5 equal sides in which circle is inscribed. Eight persons P, Q, R, S, T, U, V and W are sitting in a circular table facing center at an equal distance. Each of them has certain number of Pens. Inside a circle a triangle is inscribed. Note: The of a triangle are numbered 1, 2, and 3 in anticlockwise direction. Similarly the corners of a pentagon are marked as 1, 2, 3, 4 and 5 in anticlockwise direction. The one who has 56 Pens sits second to the left of S. There are two people sits between P and S. P is not an immediate of the one who has 56 Pens. Only one person sits between the one who has 56 Pens and 63 Pens. S has even number of Pens. Only one person sits between the one who has 63 Pens and the one who has 87 Pens. Three person sits between V and the one who has 87 Pens. P has 12 Pens more than that of V. T sits immediate left of P. There are three person sits between R and U. R is not an immediate neighbor of T. Sum of number of Pens of P and R is 116. Q is not an immediate neighbor of V. S gets 35 Pens more than that of T. The one who has 31 Pens sits second to the left of the one who has 29 Pens.

After the arrangement three coins are tossed and the persons are shifting their position according to the below conditions.

- (1) When **Head** appeared in **first and second coin** and **Tail** appeared in **third coin**, then the person who has lowest odd number of Pens moved to corner 1 of a triangle and faces outside the center.
- (2) When **Head** appeared in **first coin** and **Tail** appeared in **second and third coins**, then the one who has more than 65 Pens but less than 75 Pens moved to corner 3 of a pentagon and faces inside the center.
- (3) When **Head** appeared in **first and third coins** and **Tail** appeared in **second coin**, then the person who has lowest even number of Pens moved to corner 2 of a triangle and faces inside the center.

- (4) When **Head** appeared in all the **three coin**, then the one who has more than 55 Pens but less than 60 Pens moved to corner 5 of a pentagon and faces outside the center
- (5) When **Tail** appeared in **first and third coin** and **Head** appeared in **second coin**, then the person who has highest odd number of Pens moved to corner 1 of a pentagon and faces inside the center.
- (6) When **Tail** appeared in **first and second coin** and **Head** appeared in **third coin**, then the person who has highest even number of Pens remains at same position and facing outside the center.
- (7) All other persons are remains at same position and facing same direction.
21. What is the position of Q with respect to one who have 122 pens when counted anticlockwise direction from S?
 (a) Immediate right (b) Immediate left
 (c) Second to the right (d) Second to the left
 (e) None of these
22. How many persons are sitting on the pentagon corners?
 (a) 1 (b) 2
 (c) 3 (d) More than 4
 (e) None of these
23. Who among the following sits immediate neighbour of the one who have 48 pens?
 (a) U (b) Who have 29 pens
 (c) W (d) Either (a) or (b)
 (e) None of these
24. In the circle how many persons facing outside the centre?
 (a) Only 1 (b) Only 2
 (c) Only 3 (d) No one
 (e) None of these
25. Find the total number of pens at the corner of the triangle, and if even then the value is divided by 2 other wise the value is multiplied by 2. Then find the final value?
 (a) 198 (b) 176
 (c) 154 (d) 54
 (e) None of these
26. Convertibility has not been introduced on the capital account.
 (a) If the inference is definitely true.
 (b) If the inference is probably true.
 (c) If the data is inadequate.
 (d) If the inference is probably false.
 (e) If the inference is definitely false.
27. Current account convertibility means full convertibility.
 (a) If the inference is definitely true.
 (b) If the inference is probably true.
 (c) If the data is inadequate.
 (d) If the inference is probably false.
 (e) If the inference is definitely false.
28. An economically immature country does not have any convertibility of currency.
 (a) If the inference is definitely true.
 (b) If the inference is probably true.
 (c) If the data is inadequate.
 (d) If the inference is probably false.
 (e) If the inference is definitely false.
29. Import tariffs in India are lower than those in other developing countries.
 (a) If the inference is definitely true.
 (b) If the inference is probably true.
 (c) If the data is inadequate.
 (d) If the inference is probably false.
 (e) If the inference is definitely false.
30. Socialistic ideals prevented India from evaluating the international economic environment in a pragmatic spirit.
 (a) If the inference is definitely true.
 (b) If the inference is probably true.
 (c) If the data is inadequate.
 (d) If the inference is probably false.
 (e) If the inference is definitely false.

DIRECTIONS (Qs. 31-35): Answer the questions on the basis of the information given below.

DIRECTIONS (Qs. 26-30): Below are given a passages followed by several possible inferences which can be drawn from the facts stated in the passage. You have to examine each inference separately in the context of the passage and then decide upon its degree of truth and falsity.

The country has taken a major initiative by introducing convertibility of the Rupee on the current account. It has also been declared that the ultimate goal is to make the Rupee fully convertible. These are signs of the country's achieving economic maturity. India is now ready to welcome foreign capital. It is preparing to reduce import tariffs to levels which are currently the norm in other developing countries. All these measures show that India is today mature and strong enough to face international competition and to integrate itself successfully with the global economy. The country is ready to shed its ideological inhibitions and ready to evaluate the international economic environment in a pragmatic spirit.

There is a rectangular sheet pasted on a wall with 8 unequal divisions (in height) vertically. Its dimensions are 16*64 sq. cm. Top division is numbered 1, then 2, and so on. Each division contains different number of small square sheets pasted in them. The side of these small square sheets is 4 cm each. One layer inside a division can contain only 4 sheets and remaining sheets are kept above these 4 in layers accordingly (The second layer can be started to fill with sheets only after filling the first layer with 4 sheets, and so on). So height of a particular division is according to the number of layers in respective divisions. Each division contains different colored sheets - purple, black, white, yellow, red, gold, saffron, green but not necessarily in the same order (If division 1 contains black colored sheet, then all sheets in division 1 are black colored)

There are 2 divisions between the division with 4 sheets and red colored sheets. The sum of sheets in division number 1 and 6 is 14. If the sheets in division number 4 are combined to form a large square, they form a 8*8 sq. cm square. Height of division number 7 is 12 cm. The division carrying yellow colored sheets is next in

number to division carrying red colored sheets. The division leaving 3 divisions from division carrying red colored sheets is 4 cm in height. No division carries less than 2 sheets. There are 3 divisions between the division with 7 sheets and black colored sheets. The division with red colored sheets contains 6 sheets. 3 of the divisions have same height (in cm) and number of sheets in them respectively. There is 1 division between the division with 8 sheets and White colored sheets. There are 3 divisions between the division with 10 sheets and saffron colored sheets. There are more than 2 divisions between the division with saffron colored and White colored sheets. The division with black colored sheets does not contain 8 sheets. There is 1 division between the division with 5 sheets and green colored sheets. The division with gold colored sheets is above the division with green colored sheets. The division with purple colored sheets is below the division with gold colored sheets. There are total 54 sheets to be pasted on the rectangular sheet.

31. How many sheets does division 7 contain?
 (a) 8 (b) 11
 (c) 10 (d) 12
 (e) 9
32. Division 6 contains which colored sheets?
 (a) Gold (b) Wheat
 (c) Black (d) Green
 (e) Purple
33. What is the total height of divisions 2, 6 and 8?
 (a) 28 cm
 (b) 26 cm
 (c) 24 cm
 (d) Other than those given in options
 (e) 20 cm
34. Which of the division numbers satisfy the condition - 3 of the divisions have same height (in cm) and number of sheets in them respectively?
 (a) 2, 3, and 6 (b) 3, 4, and 6
 (c) 2, 3, and 5 (d) 2, 4, and 6
 (e) None of these
35. How many divisions are there between the divisions having 7 sheets and the division with White colored sheets?
 (a) One (b) Three
 (c) Seven (d) Four
 (e) Six

DIRECTIONS (Qs. 36-37): In the question below is given a statement followed by two courses of action numbered I and II. You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested course of action logically follow(s) for pursuing.

36. **Statement:** A very large number of students have failed in the final high school examination due to faulty questions in one of the subjects.
Course of action:
 (I) All the students who have failed in the subject should be allowed to take supplementary examination.
 (II) All those who are responsible for the error should be suspended and an enquiry should be initiated to find out the facts.

- (a) Only I follows (b) Only II follows
 (c) Either I or II follows (d) Neither I nor II follows
 (e) Both I and II follow
37. **Statement:** There have been many instances of derailment of trains due to landslide in the hilly areas which caused loss of many lives.
Course of action:
 (I) The railway authority should arrange to depot pilot engines before the movement of passenger trains in the hilly areas to alert the trains in case of any landslide.
 (II) The railway authority should strengthen the hill slopes by putting iron meshes so that the loose boulders do not fall on the track.
 (a) Only I follows (b) Only II follows
 (c) Either I or II follows (d) Neither I nor II follows
 (e) Both I and II follow
38. Six boxes namely - A, B, C, D, E and F are kept one above other. Each box contains different brand of shirts viz. Wrangler, Converse, Reebok, Being Human, Mango and Levi's. All the information given are not necessary in same order. Box C is kept second from bottom at a gap of two box from one contains Converse. Box F, which is neither kept at bottom nor adjacent to one that contains Converse is kept at a gap of one box from one that contains Wrangler. Box A contains Being Human is kept at top. Which box is kept just below one that contains Reebok?
 I. Only two boxes are kept between box E and B, which is kept adjacent to box D. Box that contains Reebok is kept below the one that contains Levi's. Box B contains Mango.
 II. Box B, which is neither kept adjacent to one that contains Being Human nor at bottom, is kept just above one that contains Levi's. Only one box is kept between one that contains Reebok and Mango.
 (a) Statement I alone is sufficient to answer the question, while Statement II alone is not sufficient to answer the question.
 (b) Statement II alone is sufficient to answer the question, while Statement I alone is not sufficient to answer the question.
 (c) Either Statement I alone or in Statement II alone is sufficient to answer the question.
 (d) Both the Statements I and II together are not sufficient to answer the question.
 (e) Both the Statements I and II together are necessary to answer the question
39. In making decisions about important questions, it is desirable to be able to distinguish between 'strong' arguments and 'weak' arguments, 'Strong' arguments are those which are both important and directly related to the questions. 'Weak' arguments are those which are of minor importance and also may not be directly related to the question or may be related to a trivial aspect of the question.
 The question below is followed by three arguments numbered I, II and III. You have to decide which of the arguments is a 'strong' argument and which is a 'weak' argument is.

Statement: Should all the deemed universities be derecognized and attached to any of the central or state universities of India?

Arguments:

- I. Yes, many of these deemed universities do not conform to the required standards of a full-fledged university and hence the level of education is compromised.
 - II. No, these deemed universities have been able to introduce innovative courses suitable to the requirement of various industries as they are free from strict government controls
 - III. Yes, many such universities are basically money spinning activities and education takes a backseat in these institutions
- (a) Only I and II are strong
 - (b) Only II and III are strong
 - (c) Only I and III are strong
 - (d) All I, II and III are strong
 - (e) None of the above
40. Radio interferometry is a technique for studying details of celestial objects that combines signals intercepted by widely spaced radio telescopes. This technique requires ultra precise timing, exact knowledge of the locations of the telescopes, and sophisticated computer programs. The successful interferometric linking of an Earth-based radio telescope with a radio telescope on an orbiting satellite was therefore a significant technological accomplishment. Which of the following can be correctly inferred from the statements above?
- (a) Special care was taken in the launching of the satellite so that the calculations of its orbit would be facilitated.
 - (b) The location of an orbiting satellite relative to locations on Earth can be well enough known for interferometric purposes.
 - (c) The resolution of detail achieved by the satellite-Earth interferometer system is inferior to that achieved by exclusively terrestrial systems.
 - (d) The signals received on the satellite are stronger than those received by a terrestrial.
 - (e) The computer programs required for making use of the signals received by the satellite required a long time for development.

DIRECTIONS (Qs. 41-45): Answer the questions on the basis of the information given below.

Line 1: _____ Y m

Line 2: _____ X m

There are eight persons; they sit in each line such that the person sitting in line 1 sits at the same position in line 2. Their names are consecutive alphabets but not necessarily in the same order. All of them are facing north direction.

In line 1: Distance between second and first person is a multiple of 11m and increasing consecutively from left to right.

In line 2: Distance between second and first person is a multiple of 13m and increasing consecutively from left to right.

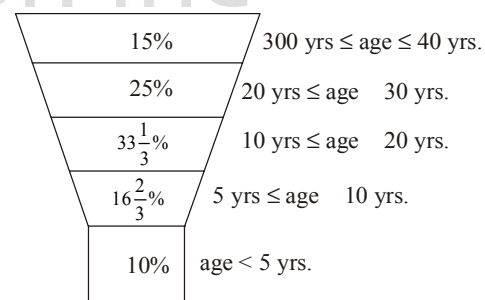
The distance between K and M is not even numbered value in line 1 but both the persons are immediate neighbors. N is not an immediate neighbor of K. Persons name with Consecutive alphabets does not sit together. All the person position in line 1 is same as in line 2. In line 1, the sum of the distance between N and I and the distance between O and J is same as K and M. N sits third to the right of O. The length of the line 1 is smaller than line 2. The distance between P and I in line 1 is same as the sum of the distance between J and O and the distance between N and I in line 2. Two persons sit between N and M.

41. What is the length of line 1?
 - (a) 533m
 - (b) 520m
 - (c) 462m
 - (d) 637m
 - (e) None of these
42. What is the distance between N and P in line 2?
 - (a) 77m
 - (b) 66m
 - (c) 91m
 - (d) 117m
 - (e) None of these
43. Which of the following pairs sit at the extreme end of the line?
 - (a) O and K
 - (b) J and M
 - (c) K and O
 - (d) J and O
 - (e) None of these
44. What is the difference between distance of O and L in line 2 and L and I in line 1?
 - (a) 23m
 - (b) 17m
 - (c) 13m
 - (d) 15m
 - (e) 10m
45. Who among the following sits to the immediate left of N?
 - (a) P
 - (b) M
 - (c) K
 - (d) I
 - (e) L

Data Analysis & Interpretation

DIRECTIONS (Qs. 46-50): Study the following information carefully and answer the given questions:

Funnel chart given below shows percentage distribution of five different age groups people from Kolkata.

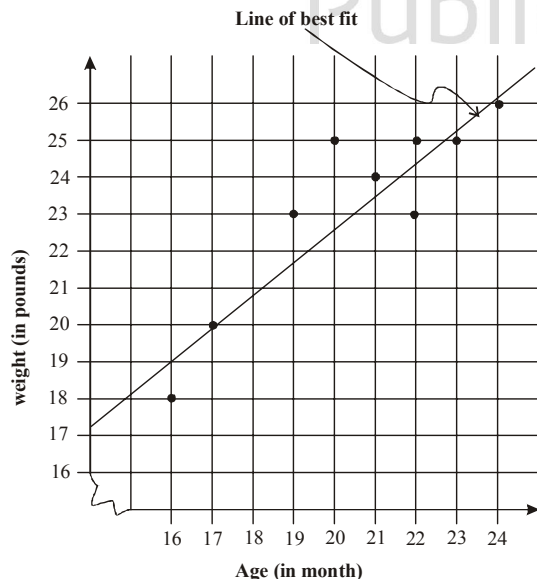


46. If the ratio of male to female whose age is greater than or equal to 30yrs and below or equal to 40yrs and greater than or equal to 20 yrs and below 30 yrs are 3 : 2 and 8 : 7 respectively. Number of male whose age is greater than or equal to 30 yrs and below or equal to 40 yrs is how much

percent more or less than number of female whose age is greater or equal to 20 yrs and below to 30 yrs?

- (a) $22\frac{6}{7}\%$ (b) 12.5%
 (c) $33\frac{1}{3}\%$ (d) $21\frac{6}{7}\%$
 (e) None of these
47. If the difference between persons whose age group is greater than equal to 10yrs or less than 20yrs and persons with age group greater than or equal to 5yrs but less than 10yrs is 15000, then find the number of person with age group less than 5 yrs.
 (a) 2700 (b) 4500
 (c) 9000 (d) 9000
 (e) 27000
48. If the total population increases at rate of 10% p.a and total population previously known as 60,000. Then find the population of age gorup of $5 \leq x < 10$ and $10 \leq x < 20$ after 3 yrs? [If percentage distribution remains the same]
 (a) 33030 (b) 39930
 (c) 38930 (d) 42080
 (e) 37990
49. If the difference between persons whose age group is greater than equal to 20 yrs or less than 30 yrs and persons with age group less than 5 years is 9000, then find the number of person with age group greater than or equal to 5 yrs but less than 10 yrs.
 (a) 2700 (b) 4500
 (c) 10000 (d) 9000
 (e) 27000
50. If total population is 144000 and persons having age of 25 yrs, 35 yrs and 16 yrs are $33\frac{1}{3}\%$, 80% and 75% respectively of their respective age group, then what is the total population having age of 25 yrs, 35 yrs and 16 yrs together?
 (a) 36280 (b) 57280
 (c) 65280 (d) 53280
 (e) none of these

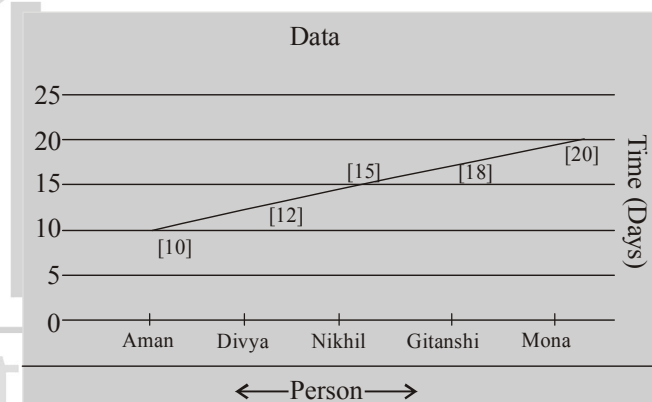
DIRECTIONS (Qs. 51-53): Scattered line graph shows the data regarding the Age and Weight of nine childrens.



A group of nine male children was weighed, and the individual ages and weights were plotted as shown above. (The weights are rounded to the nearest whole number).

51. What is the average weight of the 9 children?
 (a) 22.3 (b) 23.2
 (c) 24.6 (d) 24
 (e) None of these
52. Find the slope of the line of best fit.
 (a) $\frac{2}{3}$ (b) $\frac{3}{4}$
 (c) $\frac{4}{7}$ (d) $\frac{6}{7}$
 (e) None of these
53. Use the slope of the line to approximate the weight of a 30-month-old boy.
 (a) 24 (b) 18
 (c) 31 (d) 27
 (e) None of these

DIRECTIONS (Qs. 54-56): Aman, Divya, Nikhil, Gitanshi and Mona are persons employed to complete a job X. Line graph shows the data regarding the time taken by these persons to complete the job. Table graph shows the actual time for which every one of him worked on the job.



Person	Time (Days)
Aman	2
Divya	—
Nikhil	3
Gitanshi	—
Mona	2

Note 1:- All the person worked on the job X for whole no days.
Note 2:- Two jobs Y and Z are similar to job X and require same effort as required by job X.

54. If Aman, Nikhil and Mona worked on job Z for 2 days each and the remaining job was done by Divya and Gitanshi. If the ratio of no. of days for which Divya and Gitanshi worked is 20:21. Then find no. of days for which Divya worked?

- (a) 50 days (b) 4.5 days
(c) 5.5 days (d) 4 days
(e) None of these
55. Mona worked on job Z for 5 days and the remaining job was completed by Aman, Divya and Gitanshi who worked on alternate days starting with Aman and followed by Divya and Gitanshi in that order. Find the no. of days Divya worked for?
(a) 2 days (b) 4 days
(c) 9 days (d) 3 days
(e) None of these
56. Aman and Nikhil worked on job Y working alternatively for 10 days, then Divya and Gitanshi worked together for X days. If $\frac{1}{36}$ th of the jobs was still remained, then find the value of X?
(a) 2 days (b) 1.25 days
(c) 1 days (d) 1.33 days
(e) 1.2 days

DIRECTIONS (Qs. 57-61): Study the following information carefully and answer the questions given beside.

The census officers provided the data regarding changes in population of three major towns for three years. Population of town A was 180600 in the third year and it increased 5% and 7.5% in second and third year respectively. Population of town B increased by 25% in second years and in the second years it was equal to 150% of the population of town A in first year. After taking population control measures, town B succeeds in controlling population as growth rate in third year was half of that of previous year. The area of town C is 1250 km² and population density for second year was 250. Growth rate for town C was 11.11% and 10% for second and third year respectively.

Note: Population density is calculated as Total population ÷ Total area

57. Population of town B in third year exceed by how much compare to population of town A in second year?
(a) 110000 (b) 107500
(c) 102000 (d) 105250
(e) None of these
58. The average population of town B for three years forms what percentage of average population of town C for three years?
(a) 73.15% (b) 74.88%
(c) 78.44% (d) 76.28%
(e) None of these
59. For town B, male to female ratio for the last two years was 7 : 5 and literate male and illiterate male are in the ratio of 4 : 1 for same years. Find the ratio between illiterate male in second year and literate male in third year.
(a) 8 : 9 (b) 4 : 9
(c) 9 : 2 (d) 2 : 9
(e) 7 : 2
60. Refer the data provided in previous question, by what percentage the number of illiterate male in third year for town B less than female in third year for town B?
(a) 72% (b) 75%
(c) 69% (d) 70.50%
(e) 74.25%

61. For the third year, if $\frac{3}{8}$ th part of population of town A are not above 20 years old, 33% of population of town B are below 20 years old and 70% of population of town C are above 20 years old, how much population of three towns are above 20 years for third year?
(a) 530440 (b) 545400
(c) 543300 (d) 534400
(e) Can't be determined

DIRECTIONS (Qs. 62-63): There are 3 series, you have to find value of x, y, z, then establish relation among x, y, z

62. (I) 150 (x) 191 214 240 270 305
(II) 456.5 407 368.5 341 324.5 (y)
(III) 2 11 45 136 273 (z)
(a) $x > y > z$ (b) $x < y > z$
(c) $x < y < z$ (d) $x = y > z$
(e) $x < y = z$
63. (I) 3600 600 120 30 (x) 5
(II) 2 3.1 5.3 8.6 13 (y) 25.1
(III) 7.2 72 9 54 13.5 (z)
(a) $x > y > z$ (b) $x < y > z$
(c) $x < y < z$ (d) $x = y > z$
(e) $x < y = z$

DIRECTIONS (Qs. 64-66) : In these questions, a question is given followed by information in three statements. You have to consider the information in all the three statements and decide the information in which of the statement(s) is not necessarily required to answer the question and therefore can be dispensed with. Indicate your answer accordingly.

64. How many students from Institute 'IIP' got placement?
I. Number of students studying in Institutes 'IIP' & 'IIR' are in the ratio of 4 : 5 respectively.
II. Number of students who got placement from Institute 'IIR' is 120% of the number of students who got placement from Institute 'IIP'.
III. 80% of the students studying in Institute 'IIR' got placement.
(a) None of the statements can be dispensed with
(b) Only I
(c) Only II
(d) Anyone of the three
(e) Question cannot be answered even with the information in all three statements
65. What is the monthly income of Deepali Sharma?
I. She spends 79% of her income on various items and remaining amount is saved.
II. Monthly saving of her are ₹ 6300/.
III. Out of the total money spent by her in a month, one-fifth is spent on food and remaining amount of ₹ 18960 on other items.
(a) Only II
(b) Only III
(c) Only either II or III
(d) Question cannot be answered even with the information in all three statements
(e) None of these

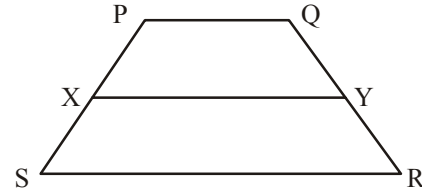
66. What is Krishna's present age?
- Krishna's present age is double the age of his son.
 - Ratio between present ages of his and his father is 2 : 3 respectively.
 - Four years hence the ratio between Krishna's age and her daughter's age will be 13 : 24 respectively.
- (a) Only II (b) Only III
(c) Either I or II only (d) Either II or III only
(e) None of these
67. Mr. Sudhir has purchased two adjacent plots, one is in rectangular shape and other is in square shape and combined them to make a single new plot. The breadth of the rectangular plot is equal to the side of the square plot and the cost of fencing of the new plot is ₹470 (₹5/m). Find the area of the new rectangular plot when length of previous rectangular plot is 20 m.
- (a) 212m² (b) 431m²
(c) 452.25m² (d) 485m²
(e) 411.5m²

DIRECTIONS (Qs. 68-71): Answer the questions based of the following information.

Deepak distributed 10-acre land to Janak and Ritesh who paid him the total amount in the ratio 2 : 3. Janak invested a further ₹2 lakh in the land and planted Mango and Ashoka trees in the ratio 1 : 5 on equal areas of land. There were a total of 100 Ashoka trees. The cost of one Mango was ₹ 5. The trees took 7 yrs to mature and when the tree was reaped in 2017, the total revenue generated was 25% of the total amount put in by Janak and Ritesh together. The revenue generated from the Mango and Ashoka trees was in the ratio 3 : 2 and it was shared equally by Janak and Ritesh as the initial amounts spent by them were equal.

68. What was the ratio of yield per acre of land for Mango and Ashoka (in terms of number of Ashoka and Mango)?
- (a) 3 : 2 (b) 2 : 3
(c) 1 : 1 (d) Cannot be determined
(e) None of these
69. What was the value of output per tree for Mango?
- (a) ₹ 36 (b) ₹ 360
(c) ₹ 3,600 (d) ₹ 240
(e) None of these
70. What was the amount received by Janak in 2017?
- (a) ₹ 1.5 lakh (b) ₹ 3 lakh
(c) ₹ 6 lakh (d) Cannot be determined
(e) None of these
71. What was the value of output per acre of the Ashoka tree planted?
- (a) 0.24 lakh/acre (b) 2.4 lakh/acre
(c) 24 lakh/acres (d) Cannot be determined
(e) None of these

72. PQRS is a trapezoid. ABCD and MLKJ are two rhombus. Diagonal of ABCD are 6 cm and 8 cm. One of the angle of MLKJ is 120 degree and the diagonal bisecting that angle measures 15cm. Side of ABCD = PQ, side of MLKJ = RS Find XY (median of trapezoid)



- (a) 5 cm (b) 10 cm
(c) 15 cm (d) 20 cm
(e) None of these
73. 35kg of a type of gram (type A) which costs ₹ 614 per kg was mixed with certain amount of another type of gram (type B), which costs ₹ 695 per kg. Then the mixture was sold at ₹ 767 per kg and 18% profit was gained. What was the amount of type B in the mixture?
- (a) 24 kg (b) 28 kg
(c) 32 kg (d) 36 kg
(e) 20 kg
74. A contract is to be completed in 50 days and 105 men were set to work, each working 8 h a day. After 25 days, 2/5th of the work is finished. How many additional men be employed, so that the work may be completed on time, each man now working 9 h a day?
- (a) 34 (b) 36
(c) 35 (d) 37
(e) None of the above
75. When the digits of a two digit natural number are interchanged then original number is greater than four times the new number so obtained. How many such natural numbers are there which satisfy the above given condition? Ignore the numbers which have '0' in its unit place.
- (a) 2 (b) 3
(c) 5 (d) 6
(e) 7
76. Two sides of a plot measure 64 metres and 48 metres and the angle between them is a perfect right angle. The other two sides measure 50 metres each and the other three angles are not right angles. What is the area of the plot?
- (a) 1768 (b) 2534
(c) 696.5 (d) 2736
(e) None of these

DIRECTIONS (Qs. 86-90): In the questions below a statement is given with two blanks in it. For each blank three alternatives are provided in the columns. Choose the alternative from the corresponding column that would fit the give blanks to make the given sentence grammatically correct and contextually meaningful

86. Modern institutions are ...1... Impersonal entities that are.....2....by law, as a person and, therefore with rights and responsibilities.

Column-1

Column-2

- | | |
|-----------------|----------------|
| (A) Essential | (D) treats |
| (B) Essentially | (E) considered |
| (C) Need | (F) treated |
| (a) A-E | (b) B-D |
| (c) C-E | (d) B-F |
| (e) B-E | |

87. They observed kids remembering1.... Of the movie they watched a week ago but nothing from the2..... they attended in the morning.

Column-1

Column-2

- | | |
|--------------|--------------|
| (A) Dialogue | (D) school |
| (B) Quotes | (E) lecture |
| (C) Words | (F) schedule |
| (a) A-D | (b) C-D |
| (c) A-E | (d) B-F |
| (e) A-F | |

88. The Narendra Modi....1..... Government in its first term had an2 approach to its core ideological issues.

Column-1

Column-2

- | | |
|----------|-----------------|
| (A) Lead | (D) increase |
| (B) Led | (E) explicitly |
| (C) Laid | (F) incremental |
| (a) A-E | (b) C-E |
| (c) B-D | (d) C-F |
| (e) B-F | |

89. If minorities are getting1..... In neighbouring countries, we cannot be ...2..... Spectators.

Column-1

Column-2

- | | |
|----------------|------------|
| (A) Delighted | (D) mute |
| (B) Beat | (E) deaden |
| (C) Persecuted | (F) reduce |
| (a) A-E | (b) B-D |
| (c) C-D | (d) A-F |
| (e) B-E | |

90. The Opposition.....1.... that the bill violated fundamental rights...2..... in the Constitution, especially Article 14 that guarantees equality of all citizens before law.

Column-1

Column-2

- | | |
|--------------|---------------|
| (A) Declared | (D) enshrined |
| (B) Alleged | (E) blessed |
| (C) Suppose | (F) dedicated |
| (a) A-F | (b) B-D |
| (c) C-D | (d) C-E |
| (e) A-E | |

DIRECTIONS (Qs. 91-93): Read the given passage and answer the following questions based on the passage

PASSAGE

Between India and Pakistan indeed incites great passion in both countries, and among the followers of the two teams patriotism often gets unduly mixed with the love for the game. However, for its sheer perversity and unreason, the action of the Meerut police in booking a group of students from Jammu and Kashmir on a charge of sedition beats all previous instances of the misuse of the penal provision. The ostensible 'crime' committed by the students seems to be that they cheered for the Pakistan cricket team during a closely fought one-day match against India and celebrated Pakistan's victory. The charge of sedition under Section 124A of the Indian Penal Code has been dropped, but only after the strong outrage evoked by this irrational act. Jammu and Kashmir Chief Minister Omar Abdullah appealed to his counterpart in Uttar Pradesh, Akhilesh Yadav, and described the invocation of grave offences unacceptably harsh. The only small comfort is that no student has yet been named in the first information report even though the charges of promoting enmity between different groups, under Section 153-A of the IPC and causing mischief (Section 427), remain. The Swami Vivekananda Subharti University, a private institution in Meerut, says it sent back Kashmiri students from the hostel where the incident took place as a precautionary measure to prevent the incident from being given a communal colour. While the University authorities claim they had not lodged a complaint, the district's Senior Superintendent of Police says the police acted only on a complaint from its Registrar.

91. As per the passage, which of the following is true?

- (A) The kashmiri students were quarrelling in Meerut
 - (B) They cheered for the Pakistan cricket team during a closely fought one-day match against India and celebrated Pakistan's victory.
 - (C) Jammu and Kashmir Chief Minister Omar Abdullah supported this happening in Meerut.
 - (D) The University authorities claimed they had not lodged a complaint.
- | | |
|----------------------|----------------------|
| (a) Only (A) | (b) Only (B) |
| (c) Both (A) and (B) | (d) Both (B) and (C) |
| (e) Both (B) and (D) | |

92. What can be inferred from the passage?
- (A) The Kashmiri students supported Pakistan cricket and so their favour to Pakistan country.
 (B) The students were demanding their freedom from the University of Meerut.
 (C) Section 124a was filed against the Kashmiri students.
 (D) The private institute didn't send Kashmiri students back to Kashmir.
- (a) Only (A) (b) Only (C)
 (c) Only (D) (d) Both (A) and (D)
 (e) Both (B) and (C)
93. Which of the following is not the synonym of the 'ostensible'?
- (a) Demonstrated (b) Professed
 (c) Vague (d) Avowed
 (e) Plausible

DIRECTIONS (Qs. 94-97): Read the given passage and answer the following questions based on the passage.

PASSAGE

Grim statistics present the deadly reality of the spread of cancer in India: one million new cases of different cancers are diagnosed every year in the country; an estimated 600,000 to 700,000 people were killed in 2012. The fact that tobacco was singularly responsible for nearly 40 per cent of all cancers is also painfully underlined again. A few papers published recently in the journal Lancet Oncology point out that men were the most affected by tobacco, with the commonest cancers being those of the lung and of the lip and oral cavity. Tobacco companies continue to have a stranglehold over nearly 275 million tobacco-users in India – 35 per cent of the adult population and about 14 per cent of children in the age range 13 to 15. All this reflects the miserable failure of the government in implementing tough and effective measures to counter the tobacco companies' devious ways of attracting and trapping young minds. Though it would take 10 to 20 years for the benefits to show, half the battle against cancer would be won if only tobacco consumption can be reined in. In the case of women, breast cancer is the most common, followed by cervical cancer. Changed lifestyle is one of the reasons for the increase in breast cancer incidence– the incidence of this cancer type in rural areas is one-third of the total in urban areas, and the big metros have higher numbers than non-metro cities. India's cancer burden is projected to increase to 1.7 million by 2035. Mortality will double to 1.2 million a year by 2035.

94. As per the passage, what is/are the main agents of different types of cancers?
- (A) The changing lifestyle of the people in urban areas
 (B) Tobacco chewing
 (C) Alcohol consumption by the children of the age group 13 to 15
 (D) Failure of govt. policies in the field of cancer diagnoses
- (a) Both (A) and (B) (b) Both (B) and (C)
 (c) Both (C) and (D) (d) Both (A) and (D)
 (e) All of these

95. What can be inferred from the given passage?
- (A) Number of cancer patients is supposed to be increased in India in the coming years.
 (B) Changing lifestyle and tobacco consumption are the main causes of different types of cancers.
 (C) Reining the tobacco consumption can make India win half battle against the cancer.
 (D) Govt. Policies are not successful in reining the tobacco companies yet.
- (a) Only (A) (b) Only (C)
 (c) Both (A) and (D) (d) Both (C) and (D)
 (e) All of these
96. Which of the following is not true according to the passage?
- (A) In India half of the battle against tobacco can be won by reining the tobacco companies.
 (B) In India there are 14 percent adult and about 35 percent children tobacco users.
 (C) The number of cancer patients' death is going to decrease in coming years.
 (D) Lungs, lips and oral cavity are the most affected by the tobacco consumption.
- (a) Only (A) (b) Only (D)
 (c) Both (A) and (B) (d) Both (B) and (C)
 (e) Both (C) and (D)
97. Which of the following is not the synonym of the word 'devious'?
- (A) direct
 (B) fraudulent
 (C) insidious
 (D) shrewd
 (E) artless
- (a) Only (E) (b) Only (B)
 (c) Only (C) (d) Both (A) and (D)
 (e) Both (A) and (E)

DIRECTIONS (Qs. 98-101): Read the given passage and answer the following questions based on the passage.

PASSAGE

India's roads have acquired a reputation, quite deservedly, of being the most dangerous in the world. Rapid motorisation and fast-paced economic activity over several years have been accompanied by an annual toll of nearly 140,000 accident fatalities; injuries are estimated to be 15 to 20 times the number of deaths. In absolute numbers, more people die in road accidents in India than in any other country. Apart from the human dimension of the tragedy, avoidable death and disability seriously affect economic progress - by some estimates, 3 per cent of GDP is lost in a year due to the carnage. The recent decision of the Supreme Court to appoint a three-member committee to suggest ways to prevent road accidents and ensure accountability offers some

hope that a new government at the Centre will be compelled to address the issue as an emergency. It is not as if suggestions for improvements for enhanced safety have not been proposed earlier. The Sunder Committee constituted by the Centre called for an apex agency to be created to assess all aspects of road safety and to address the lacuna in scientific accident investigation. Although the recommendation was made seven years ago, it has failed to take off. Indians are travelling more miles per capita today, and are at high risk for injury or worse.

98. As per the passage, which of the following is/are true?
- (A) Rapid motorisation and fast-paced economic activity is the main cause of fatalities.
 (B) Sunder committee is constituted to assess the road accidents.
 (C) Number of people in India due to accident is more than any other country.
 (D) Fatalities in road accident affect the GDP adversely.
- (a) Only (A) (b) Only (B)
 (c) Both (A) and (B) (d) Both (B) and (C)
 (e) All the above
99. What can be inferred from the line "three per cent of GDP is lost in a year due to the carnage"?
- (A) Three percent GDP lost in buying cars by the govt.
 (B) Three percent GDP lost due to accidental mortalities.
 (C) India purchases cars from other countries.
 (D) Govt. constitute sunder committee with three percent GDP.
- (a) Only (A) (b) Only (B)
 (c) Only (C) (d) Both (A) and (B)
 (e) Both (C) and (D)
100. What can be inferred from the above passage?
- (a) India's policy to prevent road accident had failed.
 (b) Road accident and death in India are more than any other country in the world.
 (c) Supreme Court appointed a thirty member committee to suggest ways to prevent road accident.
 (d) Both (a) and (b)
 (e) none of these
101. Which of the following is not the synonym of the word 'carnage'?
- (A) butchery
 (B) havoc
 (C) deliverance
 (D) peace
 (E) extermination
- (a) Only (A) (b) Only (B)
 (c) Only (C) (d) Both (B) and (C)
 (e) Both (C) and (D)

DIRECTIONS (Qs. 102-104): Read the following passage and answer the following questions based on the given passage.

PASSAGE

Just as the chapter on Hwang Woo Suk, a South Korean stem cell researcher and one of the biggest known research fraudsters, came to an end recently, another major fraud by a Japan-based stem cell researcher has taken centre-stage. Two "path-breaking" papers published on January 30 in Nature by a team led by 30-year-old Haruko Obokata of the Riken Center for Developmental Biology in Kobe claimed to have made the process of reprogramming adult mice cells to pluripotent stem cells (capable of becoming any of the specialised adult tissue) very simple. Also, by being able to contribute to the formation of placental tissue, the pluripotent stem cells so produced were shown to be more versatile than even embryonic stem cells. But a torrent of questions on falsification, manipulation and duplication of images and plagiarism were raised days after the publication. Scientists were also unable to replicate the study in their labs; one of the co-authors of the papers failed in his attempts post-publication. With the papers and Ms. Obokata coming under intense scrutiny, researchers unearthed a few unethical practices in her thesis as well— about 20 pages of her thesis, completed in 2011, bear a striking similarity to information posted in the National Institutes of Health website. Also, two images used with one paper, produced through an experiment completely different from the published work, appear in her thesis. But the most damaging factor is that the two stem-cell lines produced from a particular strain of mouse have been found to come from different strains.

102. Which of the following is true according to the passage?
- (A) The scientists were able to replicate the study in their labs.
 (B) The thesis of Ms. Obokata is totally different from the information posted in the national institute of health website.
 (C) A 30-year-old Haruko Obokata of the Riken Center for Developmental Biology is from Japan.
 (D) The pluripotent stem cells so produced were shown to be more versatile than even embryonic stem cells.
- (a) Only (A) (b) Only (B)
 (c) Both (A) and (B) (d) Both (C) and (D)
 (e) None of these
103. Under intense scrutiny, researchers unearthed a few unethical practices in her thesis, what were they?
- (a) Her thesis was very similar to the information posted in national institute of health website.
 (b) In her thesis two images used with one paper, produced through an experiment were completely different from the published work.
 (c) The two stem-cell lines produced from a particular strain of mouse have been found to come from different strains.
 (d) Both (a) and (b)
 (e) None of these

104. Which of the following is not the synonym of the word 'plagiarism'?
- (A) Cribbing (B) Inventive
 (C) Piracy (D) Appropriation
 (E) Original
 (a) Only (A) (b) Only (B)
 (c) Both (A) and (D) (d) Both (B) and (C)
 (e) Both (B) and (E)

DIRECTIONS (Qs. 105-108): Given below are the sentences with a phrase given in bold. Choose the correct phrase from the options which might replace the highlighted phrase to make the statement grammatically correct and contextually meaningful. If the highlighted phrase is correct, choose option (e) as your answer

PASSAGE

If climate change is the defining issue of the century, the UN conference in Madrid failed miserably in galvanising action to address it. This year's outcome is all the more depressing because nearly 200 delegates representing rich and poor countries had the benefit of new scientific reports from the Intergovernmental Panel on Climate Change warning of near-certain catastrophic consequences of inaction, and an analysis from the UN Environment Programme on the gap between current greenhouse gas emissions and the limit over the coming decade. Eventually, in Spain, the Conference of the Parties to the Paris Agreement, degenerated into an unproductive wrangle over establishing a market system to trade in carbon credits earned through reductions in emissions, with some countries eager to cash in on poorly audited emissions savings from the Clean Development Mechanism of the Kyoto Protocol that preceded the Paris pact. Such horse trading stands in contrast to the real losses from extreme weather events that climate-vulnerable countries, India included, are facing with frightening regularity: even insured losses worldwide during 2017 and 2018 together stood at a record \$225 billion, while the bulk of destruction had no such risk cover. These dire data should have imbued the climate negotiations with urgency and purpose, but the final declaration was desultory, merely expressing serious concern at the emissions gap in seeking to limit temperature increase to 1.5° C.

105. As per the passage, why are the delegates from rich and poor countries meeting?
- (A) To discuss harmful consequences of the climate change
 (B) To increase trade among them to profligate the nature
 (C) To discuss over the Paris agreement
 (D) To discuss UN membership
 (a) Only (A) (b) Only (B)
 (c) Only (C) (d) Both (A) and (C)
 (e) Both (B) and (D)

106. What is meant by the phrase "horse trading stands" in the passage?
- (A) Bargaining over a product
 (B) The selling of horses
 (C) Real losses from the weather
 (D) To save the environment completely
 (a) Only (D) (b) Only (A)
 (c) Both (A) and (B) (d) Both (C) and (D)
 (e) None of these
107. As per the passage, why was the conference in Spain degenerated?
- (a) Because the participating countries were discussing over the Paris agreement.
 (b) Because the parties had dispute over the event (Kyoto protocol) that took place before Paris agreement.
 (c) Countries were interested over the topic of climate change.
 (d) UN assembly denied the agreement
 (e) None of these
108. What is meant by 'climate vulnerable countries'?
- (A) Unable to cope with, adverse effects of climate change, including climate variability and extremes.
 (B) The countries able to cope with climate change
 (C) The countries which are free from the impact of climate change
 (D) The countries signing the climate vulnerability forum
 (a) Only (A) (b) Only (B)
 (c) Both (A) and (D) (d) Both (A) and (B)
 (e) All the above

DIRECTIONS (Qs. 109-111): Read the following passage and answer the following questions based on the given passage

PASSAGE

The biggest, the most colourful, the most contentious and perhaps the most expensive general election are finally over. During this period, governance had clearly taken a back seat as all decisions, except the routine ones, had come to a stand-still. Now that the electioneering is done and dusted, hopefully for another five years, the new government will focus on the urgent needs of governance to put India's slowing economy back on a fast growth track.

I am writing this article before the results are out but given the exit polls, it seems that the ruling party is coming back to power for another five years. And they have been preparing for it and had been sounding out different stakeholders both official and unofficial on 'big ideas for decisive action' as part of their 100 Days plan as the new government. By chance, I engaged with some stakeholders on this question and was asked for my thoughts. We discussed many ideas that have the potential to create value and new jobs, such as taking the decision to systematically build a mineral map for India over next couple of years as a way to unlock one of the most under leveraged national assets the mineral wealth of the country and grow the mining industry in a sustainable manner.

109. Which of the following is not true according to the passage?
 (A) Governance had clearly taken a back seat as all decisions, except the routine ones, had come to a standstill.
 (B) The ruling party is not coming back to power for another five years.
 (C) The mineral wealth of the country is not one of the most under leveraged national assets
 (D) The motive of the new governance should be to fasten the countries slowing economy.
 (a) Only (A) (b) Only (C)
 (c) Both (A) and (D) (d) Both (B) and (C)
 (e) None of these
110. What is meant by the phrase 'done and dusted'?
 (A) The project, which has completed.
 (B) The work which was done as a failure.
 (C) The undergoing project work
 (D) Contentious work
 (a) Only (A) (b) Only (B)
 (c) Only (C) (d) Both (A) and (B)
 (e) Both (C) and (D)
111. Which of the following is/are the synonym of the word 'engaged'?
 (a) Committed (b) Hooked
 (c) Available (d) Inoperable
 (e) Both (a) and (b)

DIRECTIONS (Qs. 112-115): Read the following passage and answer the following questions based on the given passage.

PASSAGE

After erupting in revolt against the Citizenship Amendment Act (CAA), Assam and other north eastern States have substantially calmed. People will withdraw to their daily lives soon, but mistaking it for normalcy as the Centre characteristically does in such situations would be dangerous. The Northeast is inhabited by diverse populations, sharing borders with several neighbours. Assertive ethnic politics, including secessionism and resistance to migration into the region, has been a defining character of the area. Grievances of indigenous populations are genuine, but it is difficult, even counterproductive, to try to resolve them by privileging one group over another. Applying a religious test to such an exercise, as the CAA seeks to do, is mindless and dangerous. The Northeast's ethnic divergences have been delicately and barely managed with the collaboration of local power-brokers and grant of special property and cultural rights to communities. The BJP's inability in appreciating diversity has long ceased to surprise anyone, but its insistence on aggravating dormant fault lines and inflaming new passions is baffling. The CAA has wrecked the Assam Accord of 1985 and exhumed sleeping hostilities.

112. Which of the following is/are true according to the passage?
 (a) The Northeast is inhabited by diverse populations, sharing borders with several neighbours.
 (b) The Northeast's ethnic divergences have been delicately and barely managed with the collaboration of local power brokers.

- (c) The BJP is not stepping to support the diversity of the north eastern states.
 (d) The CAA has demolished the Assam Accord of 1985 and exhumed sleeping hostilities.
 (e) All of these
113. Which of the following is not a synonym of the word 'wrecked'?
 (A) Temperate (B) Sober
 (C) Shattered (D) Ruined
 (E) Smashed
 (a) Only (A) (b) Only (B)
 (c) Both (A) and (B) (d) Both (C) and (D)
 (e) Only (C)
114. What can be inferred from the given passage?
 (A) Pros and cons of the CAA.
 (B) Failure of BJP'S policy towards north eastern states.
 (C) The northeast is a region inhabited by the diverse group of people.
 (D) CAA and Assam accord of 1985.
 (a) Only (A) (b) Only (B)
 (c) Only (C) (d) Both (A) and (B)
 (e) All the above
115. What is the antonym of the word 'aggravating'?
 (A) Palliating (B) Irritating
 (C) Exasperating (D) Conciliating
 (E) Irking
 (a) Only (D)
 (b) Only (C)
 (c) Both (A) and (C)
 (d) Both (A) and (D)
 (e) All of these

General Economy Banking Awareness

116. Which of the following international organizations signed a Loan Agreement of USD 250 million with the Union Government and the Government of Kerala for the First Resilient Kerala Program to enhance the State's resilience against the impacts of natural disasters and climate change?
 (a) New Development Bank
 (b) International Monetary Fund
 (c) World Bank
 (d) Asian Development Bank
 (e) None of these
117. Finance Minister Nirmala Sitharaman has announced that the public sector banks (PSBs) will be provided with a capital infusion of _____ in the Budget 2019 speech.
 (a) ₹ 70,000 crore
 (b) ₹ 60,000 crore
 (c) ₹ 50,000 crore
 (d) ₹ 90,000 crore
 (e) ₹ 80,000 crore

118. Name the insurance company who has announced the launch of 'Wings', a specially designed mentorship program to empower the female workforce?
- Kotak Mahindra Life Insurance
 - Max Life Insurance
 - Aditya Birla Sun Life Insurance
 - Bajaj Allianz Life Insurance
 - Aviva Life Insurance
119. Which of the following State-owned Bank has partnered with M1Xchange Trade Receivables Discounting System (TReDS) platform for MSME bill discounting?
- Canara Bank
 - Bank of Maharashtra
 - Bank of Baroda
 - Indian Bank
 - Central Bank of India
120. The Union Budget has allocated ₹ _____ crore outlay for Indian Railways for the financial year 2019-20, in a bid to expand the rail infrastructure.
- ₹ 1,00,000 crore
 - ₹ 78,350 crore
 - ₹ 37,404 crore
 - ₹ 65,837 crore
 - ₹ 56,229 crore
121. Abhijeet Gupta is associated with-
- Chess
 - Hockey
 - Cricket
 - Tennis
 - Golf
122. Who became the first Indian woman track and field athlete to clinch a gold medal in the World Universiade after she won the 100m dash event in Italy.?
- Hima Das
 - Tintu Lukka
 - Navjeet Kaur Dhillon
 - Annu Rani
 - Dutee Chand
123. Mukhyamantri Yuva Swabhiman Yojana launched in which state?
- Uttar Pradesh
 - Madhya Pradesh
 - Bihar
 - Jharkhand
 - Andhra Pradesh
124. Finance Minister Nirmala Sitharaman had set a fiscal deficit target of _____ per cent for the current fiscal (FY2019-20).
- 4.0%
 - 3.5%
 - 2.7%
 - 3.0%
 - 3.3%
125. Which state government has launched a major water conservation scheme "Jalamrutha"?
- Arunachal Pradesh
 - Tamil Nadu
 - Karnataka
 - Andhra Pradesh
 - Telangana
126. Who has won the International Cricketer and Batsman of the Year award during the CEAT Cricket Rating (CCR) Awards 2019?
- Rohit Sharma
 - Ben Stokes
 - Faf du Plessis
 - David Warner
 - Virat Kohli
127. 'Plan Bee' adopted by which Railway to keep wild elephants away from train tracks that has also won the 'Best Innovation Award' in Indian Railways for the 2018-19?
- South Eastern Railway zone
 - South East Central Railway zone
 - Northern Railway zone
 - Northeast Frontier Railways
 - North Western Railway zone
128. What is the theme of International Day of Happiness 2019?
- Happiness is everyone's right share it
 - Make happiness and entertainment a part of your lifestyle
 - Share Happiness and be a part of Something Amazing
 - Global happiness, the biggest contributor to global development
 - None of these
129. Which of the following three year roadmap finalized by The Reserve Bank of India (RBI) to improve regulation and supervision, among other functions of the central bank?
- Utkarsh 2021
 - Utkarsh 2022
 - Utkarsh 2023
 - Utkarsh 2024
 - Utkarsh 2025
130. Who is became the world's first woman to cross the Atlantic Ocean solo in a Light Sports Aircraft (LSA)?
- Aarohi Pandit
 - Kanika Roy
 - Sheetal Jain
 - Abhishek Singh
 - None of these
131. Which of the following E-commerce giant is the most attractive employer brand in the country followed by Microsoft India and Sony India?
- Amazon
 - Snapdeal
 - Flipkart
 - Paytm
 - Myntra
132. Which Bank was ranked No 1 in India by customers in the 'World's Best Banks' survey conducted by Forbes magazine?
- Yes Bank
 - HDFC Bank
 - Bank of Baroda
 - Axis Bank
 - Central Bank of India
133. Deposits in bank accounts opened under Jan Dhan scheme, launched about five years ago by the Modi-government, have crossed the _____ mark.
- ₹10 lakh crore
 - ₹5 lakh crore
 - ₹1 lakh crore
 - ₹15 lakh crore
 - ₹20 lakh crore
134. Pinaka is a multiple rocket launcher produced in India and developed by which of the following organizations?
- JAXA
 - ISRO
 - NASA
 - DRDO
 - Boeing

135. Name the company who has partnered with The Ministry of Housing and Urban Affairs (MoHUA) to deploy Microsoft's Project Sangam (cloud-hosted, mobile-first community learning platform) to train functionaries and officers across India on Swachh Bharat e-Learning Portal?
- (a) Flipkart India (b) Facebook India
(c) SBI (d) Google India
(e) Microsoft India
136. The Reserve Bank of India has constituted a six-member committee to review the existing state of mortgage securitisation in India. The committee will be headed by-
- (a) Salil Parekh (b) NR Narayana Murthy
(c) Harsh Vardhan (d) Arvind Mayaram
(e) Nandan Nilekani
137. and Commonwealth Bank of Australia (CBA) was the organiser and main buyer of the issue of the "Bondi" bond, short for Blockchain Offered New Debt Instrument.
- (a) World Bank
(b) New Development Bank
(c) Asian Development Bank
(d) Development Bank of Singapore Bank
(e) Asian Infrastructure Investment Bank
138. ICICI Bank to buy stake in _____ to buy stake in its subsidiary INX for ₹ 31 crore.
- (a) SEBI (b) NHB
(c) SIDBI (d) NSE
(e) BSE
139. Nirmala Sitharaman has announced the launch of a new space company, New Space India Limited (NSIL), which will serve as the commercial arm of-
- (a) PRL (b) ISRO
(c) IIRS (d) DRDO
(e) CSIR
140. The Union Cabinet has approved the proposal for setting up of a Centre for Disability Sports in which state?
- (a) Uttar Pradesh
(b) Rajasthan
(c) Andhra Pradesh
(d) Madhya Pradesh
(e) Telangana
141. G20 Finance Ministers and Central Bank Governors Meeting was held in-
- (a) Beijing, China (b) Fukuoka, Japan
(c) Dubai, UAE (d) New Delhi, India
(e) Paris, France
142. Receivables Exchange of India Ltd (RXIL) was incorporated on 25th February 2016 as a joint venture between-
- (a) ASSOCHAM (b) RBI
(c) NABARD (d) SIDBI
(e) FICCI
143. The IFSC is an 11-character code with the first four alphabetic characters representing the bank name, and the last six characters (usually numeric, but can be alphabetic) representing the branch. The fifth character is 0 (zero) and reserved for-
- (a) Future use
(b) Cash scheme
(c) Account Information
(d) Balance Rate
(e) Cash Withdraw
144. The government has set up an 18-member working group for the revision of the current series of Wholesale Price Index under the Chairmanship of-
- (a) NR Narayana Murthy
(b) Nandan Nilekani
(c) Arvind Panagariya
(d) VK Saraswat
(e) Ramesh Chandra
145. What is the full form of NCLAT?
- (a) National Company Law Appellate Tribunal
(b) National Company Law Appellate Transaction
(c) National Company Law Appellate Tribunal
(d) National Company Law Appellate Terminal
(e) New Company Law Appellate Treaty
146. Who is present Managing Director of NHB?
- (a) Mohammad Mustafa
(b) Ajay Tyagi
(c) Gurbachan Singh
(d) Rajnish Kumar
(e) Sharad Kumar Hota
147. Which country has inaugurated first model village built with Indian assistance recently?
- (a) Nepal (b) Myanmar
(c) India (d) Sri Lanka
(e) Japan
148. Which city named UNESCO World Heritage Site, becoming the second city of the country after Ahmedabad to get the recognition?
- (a) Amritsar (b) Kanpur
(c) Jaipur (d) Raipur
(e) Shimla
149. Who has been appointed as additional director on the board of Yes Bank recently?
- (a) Chitra Ramkrishna
(b) R. Gandhi
(c) Sima Kamil
(d) Romesh Sobti
(e) Viral Acharya

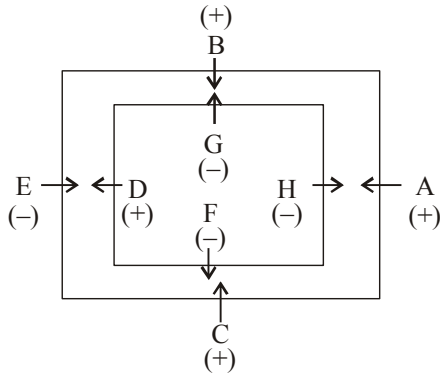
150. The World Happiness Report 2019 was produced in partnership with-
- The Ernesto Illy Foundation
 - Gruppo Eduventures
 - The Steva Solutions Pvt. Ltd
 - The Andrea and Suns
 - None of these
151. Which state/UT has topped the list of states with maximum percentage of Pradhan Mantri Ujjwala Yojana (PMUY) beneficiaries availing at least four refills?
- Delhi
 - Punjab
 - Jammu and Kashmir
 - Chandigarh
 - Uttar Pradesh
152. The report's Gender Gap Index ranks countries according to calculated gender gap between women and men in four key areas. Which area is not them?
- Politics
 - Environment
 - Economy
 - Health
 - Education
153. Trading of priority sector lending certificates (PSLCs) on the government's _____ portal by banks will attract integrated goods and services tax.
- e-dhan
 - e-indra
 - e-kuber
 - e-mudra
 - e-surya
154. Which company has announced the launch of its new Wings application in India on Google Play Store?
- Idea
 - Airtel
 - Reliance Jio
 - BSNL
 - MTNL
155. Persons resident in India as defined under Foreign Exchange Management Act, 1999 are eligible to invest in Sovereign Gold Bond (SGB). Eligible investors include Individuals, HUFs, trusts, _____ and charitable institutions.
- Universities
 - PSBs
 - NBFC
 - Foreign customers
 - Leaders

ANSWER KEY

1	(d)	17	(d)	33	(a)	49	(c)	65	(c)	81	(c)	97	(e)	113	(c)	129	(b)	145	(c)
2	(e)	18	(a)	34	(d)	50	(d)	66	(a)	82	(c)	98	(e)	114	(e)	130	(a)	146	(e)
3	(a)	19	(a)	35	(d)	51	(b)	67	(c)	83	(d)	99	(b)	115	(d)	131	(a)	147	(d)
4	(c)	20	(d)	36	(e)	52	(d)	68	(d)	84	(c)	100	(d)	116	(c)	132	(b)	148	(c)
5	(b)	21	(b)	37	(e)	53	(c)	69	(b)	85	(b)	101	(e)	117	(a)	133	(c)	149	(b)
6	(a)	22	(c)	38	(a)	54	(d)	70	(a)	86	(d)	102	(d)	118	(e)	134	(d)	150	(a)
7	(c)	23	(d)	39	(c)	55	(d)	71	(a)	87	(c)	103	(d)	119	(b)	135	(e)	151	(a)
8	(c)	24	(a)	40	(b)	56	(e)	72	(b)	88	(e)	104	(e)	120	(d)	136	(c)	152	(b)
9	(c)	25	(c)	41	(c)	57	(c)	73	(b)	89	(c)	105	(a)	121	(a)	137	(a)	153	(c)
10	(d)	26	(a)	42	(e)	58	(b)	74	(c)	90	(b)	106	(b)	122	(e)	138	(e)	154	(d)
11	(b)	27	(e)	43	(b)	59	(d)	75	(b)	91	(e)	107	(b)	123	(b)	139	(b)	155	(e)
12	(a)	28	(b)	44	(e)	60	(a)	76	(d)	92	(a)	108	(a)	124	(e)	140	(d)		
13	(b)	29	(e)	45	(d)	61	(d)	77	(e)	93	(c)	109	(d)	125	(c)	141	(b)		
14	(c)	30	(b)	46	(a)	62	(b)	78	(c)	94	(e)	110	(a)	126	(e)	142	(d)		
15	(c)	31	(c)	47	(d)	63	(c)	79	(a)	95	(e)	111	(e)	127	(d)	143	(a)		
16	(b)	32	(d)	48	(b)	64	(e)	80	(b)	96	(d)	112	(e)	128	(c)	144	(e)		

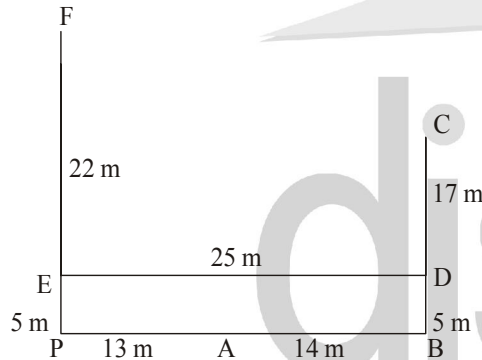
HINTS & SOLUTIONS

Sol. (1-3):

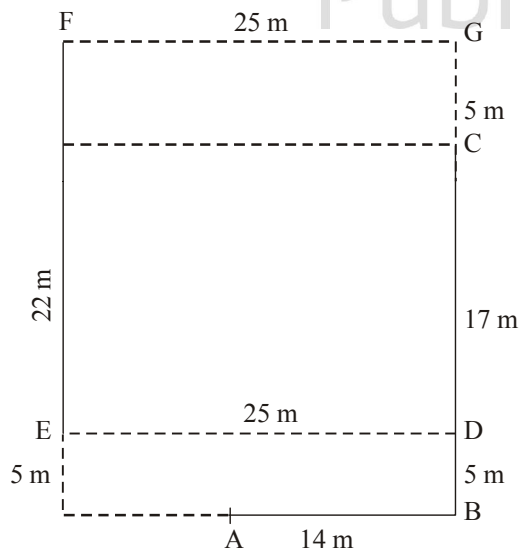


- (d) D is married to the one who sits immediate left of C.
- (e) Except the option (e) all are immediate neighbour of each other.
- (a) D sits immediate right of C's spouse.

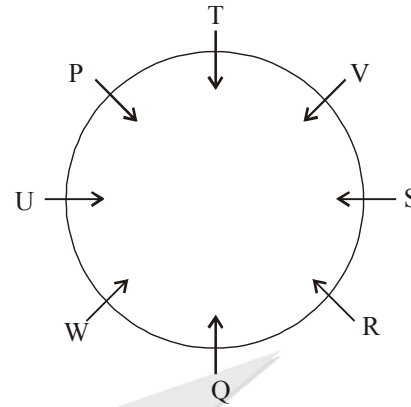
Sol. (4-5):



- (c) Distance between point P and point A is 13m.
- (b) Distance between G and B = $5 + 17 + 5 = 27$ m.



Sol. (6-8):



- (a) W sits 3rd left of S.
- (c) R is second to the left of V.
- (c) Three persons sits between U and S.

Sol. (9-13):

Step I: If the given number is odd number then the number itself written in reverse order from left to right. If the given number is Even number then the first and second number is interchanged, similarly Third and Fourth number is interchanged and also Fifth and Sixth numbers interchange their position.

Step II: The numbers obtained in step 1 is arranged in ascending order from left end to right end.

Step III: Odd digit within the numbers are arranged in ascending order from left to right then even digits are arranged in ascending order from left to right.

Step IV: From the left end of the number, first and second digit is multiplied, then third and fourth digit is multiplied then fifth and Sixth digit is multiplied and written from left to right.

Step 5: All the digits within the numbers are added.

Input: 856347 856873 329584 623489 954265 574624

Step I: 743658 378658 235948 984326 562459 756442

Step II: 235948 378658 562459 743658 756442 984326

Step III: 359248 357688 559246 357468 572446 392468

Step IV: 151832 154264 251824 152848 35824 27848

Step V: 20 22 22 28 22 29

- (c) 151832 is related to 251824
- (d) Difference between the elements is $357468 - 235948 = 121520$
- (b) 20 element is 3rd to the left of the 2nd element from the left end.
- (a) The last step will be 22 15 19 25 18
- (b) 357468 element represents the sum '33'

Sol. (14-18):

Symbols used in this coding are based on the number of vowels in the word

For 1. → ©, 2. → ®, 3. → ¥, 4. → €,

Letter is the last letter – 2

Number is the number of letters in the word

If the number of letters is even, number is increased by 2

If the number of letters is odd, number is decreased by 2

14. (c) Code for the word 'picnic time' is '® 8A ®6C'

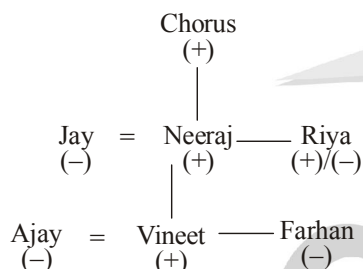
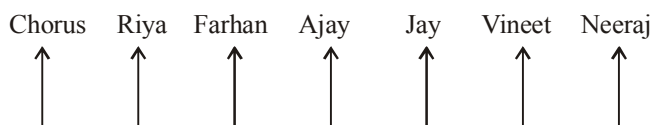
15. (c) Tuesday represents the code '¥5W'

16. (b) Code for the word 'picture' is ¥5C

17. (d) Code for the words 'negative world' is €10C ©3B

18. (a) Word bracket represents the code '®5R'

Sol. (19-20):

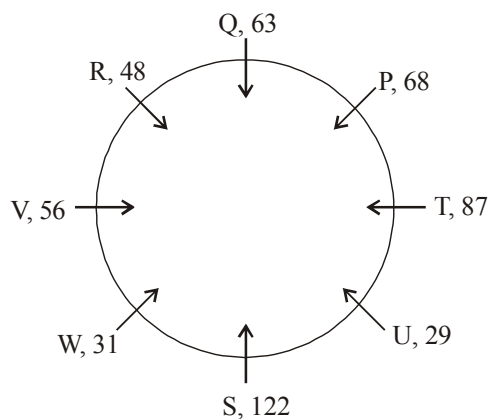


19. (a) No one is sitting between Neeraj's wife and Ajay's husband.

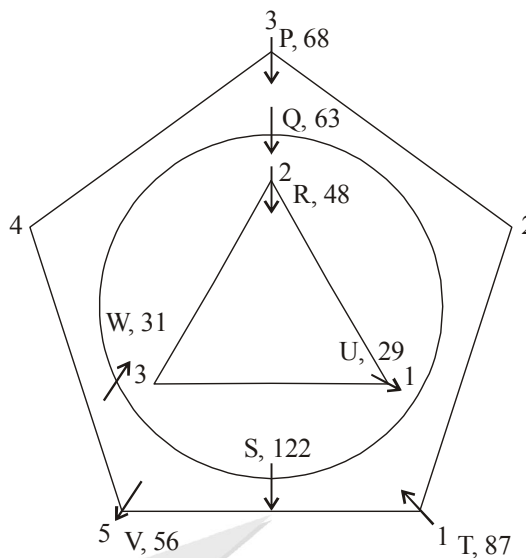
20. (d) Jay is fourth to right of her father-in-law

Sol. (21-25):

Final arrangement after the conditions applied



Final arrangement before the conditions applied



- 21. (b) Immediate left
- 22. (c) 3 persons are sitting on the pentagon corners
- 23. (d) Either (a) or (b), U or the one who have 29 pens sits immediate neighbour of the one who have 48 pens.
- 24. (a) Only one person facing outside the centre
- 25. (c) Total number of pens are, $48 + 29 = 77$ Which is odd, then on applying the condition for odd $77 \times 2 = 154$
- 26. (a) 27. (e) 28. (b) 29. (e) 30. (b)

Sol. (31-35):

Division	Height (in cm)	No. of sheets	Color
1	8	6	Red
2	12	12	Yellow
3	8	7	Saffron
4	4	4	Gold
5	4	2	Purple
6	8	8	Green
7	12	10	Black
8	8	5	White

- 31. (c) 10 sheets does division 7 contain
- 32. (d) Green color
- 33. (a) Total height is $12 + 8 + 8 = 28$
- 34. (d) Division 2, 4 and 6 have same number of height and sheet representing
- 35. (d) 4 sheets between these.

Sol. (36-37):

- 36. (e) There being faulty questions in the examination paper is a blunder on the part of school management and students should not be made to suffer on account of this. Thus, a re-test should be organized for the students and those responsible for the error be penalized to prevent reoccurrence of such mistake in the future. Hence, both the courses of action follow.

37. (e) Clearly, something should be done to alert the trains well in advance in case of a landslide and also some means should be adopted to prevent blockage of tracks during landslides. Thus, both I and II follow.
38. (a) We have: Box C is kept second from bottom at a gap of two box from one contains Converse. Box F, which is neither kept at bottom nor adjacent to one that contains Converse, is kept at a gap of one box from one that contains Wrangler that means one contains Wrangler is kept at bottom. Box A contains Being Human is kept at top. Based on above given information we have:

Box	Shirt
A	Being Human
	Converse
F	
C	
	Wrangler

From I:

We have: Only two boxes are kept between box E and B, which is kept adjacent to Box D, that means Box E is kept at bottom. Box that contains Reebok is kept below one that contains Levi's. Box B contains Mango, that means Box C contains Reebok. Based on above given information we have:

Box	Shirt
A	Being Human
B	Converse
C	Mango
D	Levi's
E	Reebok
F	Wrangler

Thus, Box E is kept just below one contains Reebok. Hence, statement I is alone sufficient to give the answer.

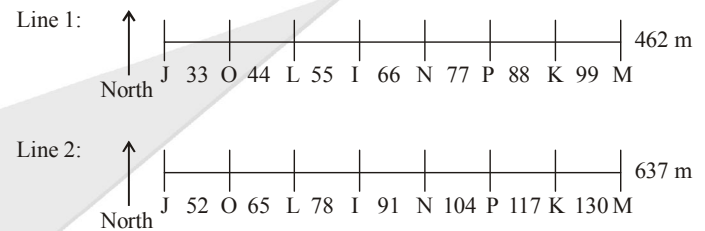
From II: We have: Box B, which is neither kept adjacent to one contains Being Human nor at bottom, is kept just above one that contains Levi's, that means box B is kept just above box F. Only one box is kept between one that contains Reebok and Mango. Based on above given information we have:

Box	Article
A	Being Human
D/E	Converse
B	Mango/Reebok
F	Levi's
C	Reebok/Mango
D/E	Wrangler

Clearly, we don't know exact position of box that contains Reebok. Thus, result can't be determined. Hence, statement II is not sufficient. Hence, option A is correct choice.

39. (c) Only I and III are strong
Higher learning institutions like Universities should provide highest quality education. So, I and III are strong.
40. (b) The location of an orbiting satellite relative to locations on Earth can be well enough known for interferometric purposes.
The information states that Radio interferometry requires exact knowledge of the locations of the telescopes for accurate calculations and results. Since this technique was successfully used to link an Earth-based radio telescope with a radio telescope on an orbiting satellite, it can be inferred that the location of an orbiting satellite relative to locations on Earth can be well enough known for interferometric purposes. The second option is the most appropriate.

Sol. (41-45):



41. (c) The length of line 1 is 462m.
42. (e) The distance between N and P in line 2 is 104m.
43. (b) M and J sit at the extreme end of the line.
44. (e) 10m is the difference between distance of O and L in line 2 and L and I in line 1.
45. (d) I sits to the immediate left of N.
46. (a) Ratio of male (M) to female (F) for age group:

$$30 \leq \text{age} \leq 40 : \frac{M}{F} = \frac{3}{2}$$

$$20 \leq \text{age} < 30 : \frac{M}{F} = \frac{8}{7}$$

$$\begin{aligned} \text{Number of male in age group 30 to 40} &= \frac{15}{100} \times \frac{3x}{(3+2)} \\ &= \frac{9x}{100} \end{aligned}$$

$$\begin{aligned} \text{Number of female in age group 20 to 30} &= \frac{25}{100} \times \frac{7x}{(8+7)} \\ &= \frac{35x}{300} \end{aligned}$$

∴ Required percent

$$= \left(\frac{\frac{35x}{300} - \frac{9x}{100}}{\frac{35x}{300}} \right) \times 100 = 22\frac{6}{7}\%$$

47. (d) Let total number of person is x .

$$\text{Then, } x \times \frac{100}{300} - x \times \frac{50}{300} = 15000.$$

$$\frac{x}{3} - \frac{x}{6} = 15000.$$

$$\frac{x}{6} = 15000 \Rightarrow x = 90000.$$

Number of persons of age group less than 5 years

$$= 90000 \times \frac{10}{100} = 9000$$

48. (b) Population of age group of 5 to 10 and 10 to 20 after

$$\text{three years} = 60000 \times \left(\frac{100}{300} + \frac{50}{300} \right) \times \frac{110}{100} \times \frac{110}{100} \times \frac{140}{100} = 39930.$$

49. (c) Let total number of persons is x .
Then, according to the question,

$$x \times \frac{25}{100} - x \times \frac{10}{100} = 9000$$

$$x \left(\frac{1}{4} - \frac{1}{10} \right) = 9000.$$

$$x = 60000$$

Number of persons with age group 5 to 10 years.

$$= 60000 \times \frac{50}{300} = 10000.$$

50. (d) 25 yrs = $\frac{1}{4} \times \frac{1}{3} \times 144000 = 12000$

$$35 \text{ yrs} = \frac{3}{20} \times \frac{4}{5} \times 144000 = 17280$$

$$16 \text{ yrs} = \frac{1}{3} \times \frac{3}{4} \times 144000 = 36000$$

$$\text{Total} = 12000 + 17280 + 36000 = 65280$$

51. (b) Average = $\frac{18+20+23+25+24+23+25+25+26}{9} = 23.2$

52. (d) Choose the two points that are closest to the line of best fit: (17, 20) and (24, 26). The slope of the line passing through these points is

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{26 - 20}{24 - 17} = \frac{6}{7}$$

53. (c) Let y = the weight of a 30-month-old boy.

The slope of the line passing through the points (17, 20) and (30, y) should approximate $6/7$.

$$m = \frac{y - 20}{30 - 17} = \frac{6}{7} \Rightarrow y = 31.$$

54. (d) $2 \text{ Aman} + 2 \text{ Nikhil} + 2 \text{ Mona} = 2 \left[\frac{1}{10} + \frac{1}{15} + \frac{1}{20} \right] = \frac{13}{30}$

$$\text{Remaining work} = \frac{17}{30}$$

$$\text{Divya} + \text{Gitanshi} = \frac{20x}{12} + \frac{21x}{18} = \frac{17}{30}$$

$$x = \frac{1}{5}$$

$$\text{Divya} = 20x = \frac{20}{5} = 4 \text{ days}$$

55. (d) Work done by Mona in 5 days

$$= \frac{5}{20} = \frac{1}{4} \text{ units}$$

$$\text{Remaining work} = 1 - \frac{1}{4} = \frac{3}{4} \text{ units}$$

Work done by Aman, Divya and Gitanshi in 3

$$\text{consecutive days} = \frac{1}{10} + \frac{1}{12} + \frac{1}{18}$$

$$= \frac{18+15+10}{180} = \frac{43}{180} \text{ units}$$

Work done by them in 9 days

$$= \frac{3 \times 43}{180} = \frac{129}{180} \text{ units.}$$

$$\text{Remaining work} = \frac{3}{4} - \frac{129}{180} = \frac{6}{180} = \frac{1}{30} \text{ units}$$

$$\text{Aman done the remaining } \frac{1}{30} \text{ unit in } \frac{10}{30} = \frac{1}{3} \text{ days.}$$

Hence, Divya worked for 3 days.

56. (e) Aman + Nikhil's 5 days work = $\frac{5}{10} + \frac{5}{15} = \frac{5}{6}$ units

$$\text{Remaining work} = 1 - \frac{5}{6} = \frac{1}{6} \text{ units.}$$

Work done by Divya and Gitanshi in X days

$$= \frac{x}{12} + \frac{x}{18} = \frac{5x}{36} \text{ units}$$

$$\text{Remaining work} = \frac{1}{6} - \frac{5x}{36} = \frac{1}{36}$$

$$= \frac{6 - 5x}{36} = \frac{1}{36}$$

$$\therefore x = \frac{6}{5} = 1.2 \text{ days}$$

57. (c) Let the population of Town A in first year be 100.

Thus, population of town A in third year = 105% of 107.50% of 100 = 112.875 i.e. 180600

\therefore Population of Town A in first year

$$= \frac{180600 \times 100}{112.875} = 160000$$

Thus, population of town A in second year = 105% of 160000 = 168000

Population of town B in second year = 150% of 160000 = 240000

As given, growth rate of population for town B in the second year was 25%, thus population in first year

$$= \frac{240000 \times 100}{125} = 192000$$

As growth year became half of previous years' growth rate, population of town B in third year

$$= 240000 + [240000 \times 12.50\% \text{ (half of 25\%)}]$$

$$= 240000 + 30000$$

$$= 270000$$

For town C, population in second year

$$= \text{population density} \times \text{Area} = 250 \times 1250 = 312500$$

As growth rate for town C was 11.11% and 10% for second and third year respectively, population of C in first year.

$$= \frac{312500 \times 100}{111.11} = 281250$$

Population of C in third year = 110% of 312500 = 343750.

Thus, we can present above data in tabular form as follows:

Towns	Population		
	First Year	Second Year	Third Year
A	160000	168000	180600
B	192000	240000	270000
C	281250	312500	343750

Required difference = Population of town B in third year – Population of town A in second year

$$= 270000 - 168000 = 102000$$

58. (b) Average population of town B

$$= \frac{192000 + 240000 + 270000}{3} = \frac{702000}{3} = 234000$$

Average population of town C

$$= \frac{281250 + 312500 + 343750}{3} = \frac{937500}{3} = 312500$$

$$\therefore \text{Reqd. \%} = \frac{234000}{312500} \times 100 = 74.88\%$$

59. (d) Number of male in town B for second year

$$= \frac{7 \times 240000}{12} = 140000$$

Number of male in town B for third year

$$= \frac{7 \times 270000}{12} = 157500$$

Number of illiterate male in second year

$$= \frac{1 \times 140000}{5} = 28000$$

Number of literate male in third year

$$= \frac{4 \times 157500}{5} = 126000$$

Thus, required ratio = 28000 : 126000 i.e. 2 : 9

60. (a) Number of illiterate male in third year for town B

$$= \frac{1 \times 157500}{5} = 31500$$

Number of female in third year for town B

$$= \frac{5 \times 270000}{12} = 112500$$

$$\therefore \text{Reqd. \%} = \frac{112500 - 31500}{112500} \times 100 = 72\%$$

61. (d) Population above 20 years in town A

$$= 180600 - \frac{180600 \times 3}{8} = 112875$$

Population above 20 years in town B = (100 – 33)% of 270000 = 180900

Population above 20 years in town C = 70% of 343750 = 240625

Thus, required total = 112875 + 180900 + 240625 = 534400

62. (b) (x) = 170

$$(y) = 319$$

$$(z) = 274$$

$$\therefore x < y > z$$

63. (c) (i)

$$3600 \xrightarrow{+6} 600 \xrightarrow{+5} 120 \xrightarrow{+4} 30 \xrightarrow{+3} 10 \xrightarrow{+2} 5$$

$$x = 10$$

$$(ii) \quad 2 \xrightarrow{+1.1} 3.1 \xrightarrow{+2.2} 5.3 \xrightarrow{+3.3} 8.6 \xrightarrow{+4.4} 13 \xrightarrow{+5.5} 18.5 \xrightarrow{+6.6} 25.1$$

$$y = 18.5$$

$$(iii) \text{ Series is } x10, +8, \times 6, +4, x2$$

$$z = 27$$

$$\therefore x < y < z$$

64. (e) From statement I,

Let the number of students in the institutes 'IIP' and IIR be $4x$ and $5x$ respectively. However we get no conclusive answer by using data given in all the statements.

65. (c) From statements I and II, Let Sharma's monthly income = ₹ x . Then

$$\frac{21 \times x}{100} = 6300$$

$$\Rightarrow x = \frac{6300 \times 100}{21} = ₹ 30000$$

From statements I and III,

$$x \times \frac{4}{5} \times \frac{79}{100} = 18960$$

$$\Rightarrow x = \frac{18960 \times 5 \times 100}{4 \times 79} = ₹ 30000$$

66. (a) From Statements I and III, Let Krishna's son's present age be x years.

\therefore Krishna's present age = $2x$ years

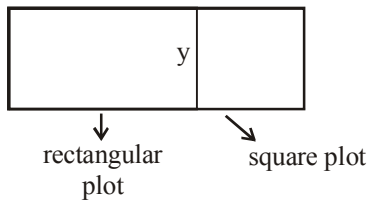
After 4 years,

$$\frac{2x+4}{x+4} = \frac{13}{24}$$

We can get the required answer by this relation.

So statement II is not required.

67. (c)



Let the breadth of rectangular plot be y m and length = 20 m

ATQ,

$$40 + y + 3y = 470/5$$

$$\Rightarrow 40 + 4y = 94$$

$$\Rightarrow 4y = 54 \Rightarrow y = 13.5$$

Area of new plot

$$= (20 + 13.5) \times 13.5$$

$$= 452.5 \text{ m}^2$$

Sol. (68-71):

68. (d) Data are insufficient to determine the required ratio.

69. (b) Ratio of number of Mango trees and Ashoka trees = $1 : 5$, therefore number of Mango trees is 500, since revenue generated from Mango trees is ₹ 180,000.

$$\text{Hence value per trees} = \frac{1,80,000}{500} = ₹ 360$$

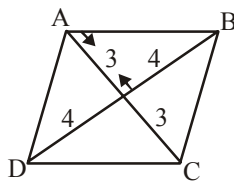
70. (a) Since revenue of ₹ 3,00,000 is equally divided by Janak and Ritesh. Hence, amount received by Janak

$$\text{in 2017} = \frac{1}{2} \times 3,00,000 = ₹ 1,50,000.$$

71. (a) The value of Ashoka output per acre of land

$$= \frac{1,20,000}{5} = 0.24 \text{ lakh/acre.}$$

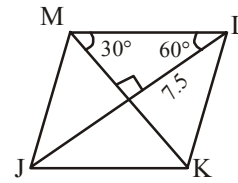
72. (b) Rhombus ABCD :



$$\text{Side of ABCD} = \frac{\sqrt{6^2 + 8^2}}{2}$$

$$\frac{10}{2} = 5 \text{ cm}$$

Rhombus MLKJ



$$\sin 30^\circ = \frac{\text{perpendicular}}{\text{Hypotenuse}}$$

$$\frac{1}{2} = \frac{7.5}{\text{side of MLJK}}$$

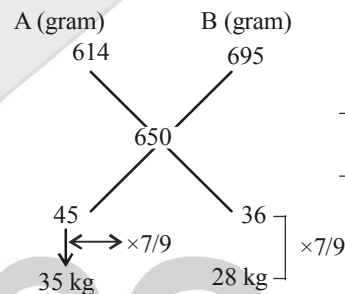
$$\text{Side of MLJK} = 15 \text{ cm}$$

$$\text{Now, PQ} = 5 \text{ cm}$$

$$\text{RS} = 15 \text{ cm}$$

$$\text{So median XY} = \frac{5 + 15}{2} = 10 \text{ cm}$$

73. (b) According to question,



$$\left[\begin{array}{l} \text{CP of 1 kg gram} \\ \frac{767 \times 100}{118} = 650 \end{array} \right]$$

So, answer is 28 kg.

74. (c) According to the formula,

$$\frac{M_1 D_1 T_1}{W_1} = \frac{M_2 D_2 T_2}{W_2} \quad \text{by technique 1}$$

$$\text{Given } M_1 = 105, D_1 = 25, T_1 = 8, W_1 = \frac{2}{5}$$

Now, let the additional men be x .

$$\text{Then, } M_2 = 105 + x, T_2 = 9$$

$$D_2 = 25$$

$$\text{And } W_2 = 1 - \frac{2}{5} = \frac{3}{5}$$

On putting these values in the above formula

$$\frac{105 \times 25 \times 8}{2/5} = \frac{105 + x \times 25 \times 9}{3/5}$$

$$\frac{105 \times 8}{2} = \frac{105 + x \times 9}{3}$$

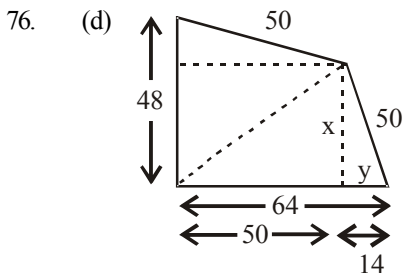
$$= 105 \times 4 = (105 + x) \times 3$$

$$= 105 \times 4 = 105 \times 3 + 3x$$

$$\Rightarrow 3x = 105$$

$$\therefore x = 35 \text{ men}$$

75. (b) Let the original number be xy
According to given condition
 $(10x + y) > 4(10y + x)$
 $6x - 39y > 0$
On putting $y=1$
 x has to be more than or equal to 7
So for $y = 1$,
Possible values for x are 7, 8, 9
So, 3 numbers are possible when y is 1
(71), (81), (91)
Values greater than 1 are not possible for y .
So there are 3 possible numbers.



$$(64 - y)^2 + (48 - x)^2 = 2500 \quad \dots(1)$$

$$x^2 + y^2 = 2500 \quad \dots(2)$$

$$\Rightarrow (48)^2 + (64)^2 - 128y - 96x = 0 \quad (\text{From (1) \& (2)})$$

$$\Rightarrow 64y + 48x = (576 + 1024) \times 2$$

$$\Rightarrow 4y + 3x = (36 + 64) \times 2 = 200$$

$$\text{or } y = \left(\frac{200 - 3x}{4} \right)$$

$$\therefore x^2 + \left(\frac{200 - 3x}{4} \right)^2 = 2500 \quad (\text{From (2)})$$

$$\Rightarrow -1200x + 16x^2 + 40000 + 9x^2 = 2500 \times 16$$

$$\Rightarrow 25x^2 - 1200x + 40000 - 2500 \times 16 = 0$$

$$\Rightarrow x = 48 \text{ and } y = 14$$

$$\therefore \text{Area} = \frac{1}{2} (48 \times 50) + \frac{1}{2} (64 \times 48) = 2736$$

77. (e) From statement I,
Given: The distance travelled in upstream in 3 hours by a man is more than distance travelled by him in downstream in 1 hour by 8km.
 \Rightarrow distance travelled in upstream – distance travelled in downstream = 8 km
 $(3 \times \text{speed in upstream} - 1 \times \text{speed in downstream}) = 8 \text{ km}$
 \therefore Speed in upstream and downstream is not known, so speed of the stream cannot be found using these data. Thus, the data in Statement I alone are not sufficient

to answer the question

From statement II,

Given: The ratio of speed in upstream to the speed in downstream is 3 : 8

Let speed in upstream be $3x$ km/hr and speed in downstream be $8x$ km/hr.

Since x is not known, so speed of the stream cannot be obtained.

Thus, the data in Statement II alone are not sufficient to answer the question

Combining I and II,

Speed in upstream = $3x$

Speed in downstream = $8x$

$(3 \times \text{speed in upstream} - 1 \times \text{speed in downstream})$

= 8 km

$$\Rightarrow (3 \times 3x - 1 \times 8x) = 8 \text{ km}$$

$$\Rightarrow x = 8 \text{ km/hr}$$

\therefore Speed in upstream and downstream are 24 km/hr and 64 km/hr respectively.

Speed of the stream = $\frac{1}{2} (\text{speed in downstream} - \text{speed in upstream})$

$$= \frac{1}{2} (64 - 24)$$

$$= 20 \text{ km/hr}$$

78. (c) From I: $x + (x+2) = 46$ i.e. $x = 22$, hence, third consecutive even number is $(x+4) = 22 + 4 = 26$
From II: $x+4 + (x+6) = 54$ i.e. $x = 22$, hence, fourth consecutive even number is $(x+4) = 22 + 4 = 26$

79. (a) From statement I,

Marks in English = $\frac{1}{2}$ Hindi

Marks in chemistry = 45% of Hindi

$$\text{Hindi} = 36 \times \frac{100}{45} = 80$$

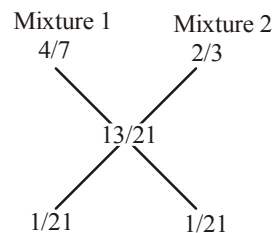
$$\text{English} = \frac{1}{2} \times 80 = 40$$

In statement II total marks is not given

80. (b) Water in mixture 1 = $\frac{4}{7}$

$$\text{Water in mixture 2} = \frac{2}{3}$$

$$\text{and water in final mixture} = \frac{13}{21}$$



Mixture 1 : Mixture 2 = 1 : 1

81. (c) 'I have been diving', 'I would be completely' are shown in the third part here I is the subject hence the third part should be the first fragment of the sentence.

The second part should be the next fragment as it is the field of narrator's speciality 'diving in caves'. The fourth part should be the third fragment as it is expansion of 'diving in caves'.

Part 1 should be the last fragment as it is the concluding part.

Hence the coherent sequence is 3241.

82. (c) The third part is the introductory; therefore it is the first fragment. The part 1 should be the second fragment as it shows where the anecdotes are used. Part 4 should be the third fragment as it shows how anecdotes are used by teaches and part 2 should be the last fragment. Hence the coherent sequence is 3142.
83. (d) The part 1 is the first fragment as it is introductory part. The first example of the animal (peppered moth) that changed its colour is shown in part 3 being the second fragment. Part 4 should be the third fragment as it is another sentence about 'the moth'. Part 2 will be the last fragment. Hence, the coherent sequence is 1342.
84. (c) This sentence is like lottery where a person pick up or choose things randomly, here the part 4 should be the first fragment as the daughter is going to pick the pebble from the bag part 3 being the second fragment. Now two conditions are given, part 1 condition is the third fragment and part 2 condition is the last fragment. Hence, the coherent sequence is 4312.
85. (b) these are a few motivating lines. Here, the part 3 should be the first fragment; the next linkage is the second part. The part 1 should be the third fragment as it shows linkage with first and second part then the part 4 is the last fragment. Hence, the coherent sequence is 3214.
86. (d) The word 'essentially' (adv.) is the correct usage before the word 'impersonal' (adj.) in the first blank. The second blank is a passive voice. Hence, the word 'treated' is the right choice. The correct option is (d) B-F
87. (c) The word 'dialogue' is the right usage in the context of movies. In the second blank 'lecture' is the right choice. Hence, the correct option is (c) A-E
88. (e) In the first blank 'led' (participle) is the right choice. The word 'incremental' (adj.) is the right choice. Hence, the correct option is (e) B-F
89. (c) The word 'persecuted' means 'oppressed' or 'abused' is the correct option for the first blank. The word 'mute' (adj.) is the right option before the noun (spectators).
90. (b) The word 'alleged' means 'said, without proof' is the right choice for the first blank. The word 'enshrined' means 'something regarded as holy' is the right choice for the second blank.
91. (e) Both (b) and (d)
The line 'they cheered for the Pakistan cricket team during a closely fought one-day match against India' and option (d) 'not lodged complain', validates the answer.
92. (a) 'The Kashmiri students supported Pakistan cricket and so their favour to Pakistan country'. This option validates the answer.
93. (c) The word 'ostensible' means seeming true. The words demonstrated, professed, avowed, plausible are similar to the given word. The word 'vague' means 'not clear'. Hence the option (c) is the right option.
94. (e) As per the passage, all of these are correct.
95. (e) All of these
96. (d) Both (b) and (c)
97. (e) both (a) and (e)
The word 'devious' means 'someone showing skill to do something'.
And the word 'direct' means simple, not seeking other ways.
Hence, the options (a) artless and (b) direct are not the synonyms.
98. (e) all the above
99. (b) the word 'carnage' means 'mass murder', slaughter
Hence, the option (b) is the right answer.
100. (d) the options (a) and (b)
101. (e) the words 'peace' and 'deliverance' are opposite to the word 'carnage'.
102. (d) both (c) and (d)
103. (d) both (a) and (b)
104. (e) both (b) and (e)
The word 'plagiarism' means stealing thoughts, writing or ideas of someone else. In this way the words 'original' and 'inventive' are not similar to the word 'plagiarism'.
105. (a) only (a)
106. (b) only (a)
A shrewd bargaining
107. (b) As the parties disputed over the event (Kyoto Protocol) that took place before Paris agreement
108. (a) The climate vulnerable countries are not able to cope with, adverse effects of the climate change, including climate variability.
109. (d) both (b) and (c)
The ruling party is not coming back to power for another five years.
And mineral wealth is not one of the underleveraged national assets.
110. (a) only (a)
The phrase 'done and dusted' means any project work which has completed now.
111. (e) both (a) and (b)
The words 'committed' and 'hooked' are the synonyms of the word 'engaged'.
112. (e) All of these
113. (c) both (a) and (b)
The word 'wrecked, ruined, shattered are synonymous. The word 'sober' means 'not drunk', sensible and 'temperate' means 'mild, clement'. Hence option (a) and (b) are correct.
114. (e) all of these
115. (d) both (a) and (d)
Conciliating and palliating

116. (c) The Government of India, Government of Kerala and World Bank recently signed a Loan Agreement of \$250 Million for First Resilient Kerala Program which seeks to enhance State's resilience against impacts of natural disasters and climate change. This New Program is part of Central government's support to Kerala's 'Rebuild Kerala Development Programme' which aimed at building a Green and Resilient Kerala.
117. (a) Finance Minister Nirmala Sitharaman, in the Budget 2019 speech, announced that the public sector banks (PSBs) will be provided with a capital infusion of ₹ 70,000 crore. It is aimed at bolstering the capital base of the state-owned banks and making sure that the commercial or industrial enterprises do not suffer.
118. (e) Aviva Life Insurance has announced the launch of 'Wings', a specially designed mentorship program to empower the female workforce. Wings program is an initiative of the SHE division of Aviva Life Insurance for mentoring all the women employees in Aviva.
119. (b) State-owned Bank of Maharashtra (BoM) has partnered with MIXchange TReDS platform for MSME bill discounting. Trade Receivables Discounting System (TReDS) is a digital platform to support micro, small and medium enterprises (MSMEs) to get their bills financed at a competitive rate through an auction where multiple registered financiers can participate. The main purpose of TReDS platform is to facilitate smooth flow of liquidity in the system and make finance available at a competitive rate.
120. (d) The Union Budget has allocated ₹65,837 crore outlay for Indian Railways for the financial year 2019-20, in a bid to expand the rail infrastructure. The capital expenditure has been increased to ₹1.6 lakh crore in 2018-19 from ₹1.39 lakh crore a year ago. In the Budget, the government has allocated ₹9,755 for construction of new lines, ₹2,346 for gauge conversion, ₹11,450 crore for track renewals and ₹1,587 crore on rolling stock.
121. (a) Abhijeet Gupta is an Indian chess player with the title of Grandmaster. Gupta is the first player to win the title of Commonwealth Chess Champion four times. He is the third Indian to win this prestigious championship, after Viswanathan Anand and Pentala Harikrishna.
122. (e) Dutee Chand is an Indian professional sprinter and current national champion in the women's 100 metres event. She became the first Indian woman track and field athlete to clinch a gold medal in the World Universiade after she won the 100m dash event in Italy.
123. (b) The government of Madhya Pradesh has launched the Mukhyamantri Yuva Swabhiman Yojana to provide employment for youth. The scheme guarantees 100 days of employment every year to urban youths from economically weaker sections (EWS). The youth would get ₹ 4,000 stipend per month and total ₹13,500 for the 100 days period would be provided.
124. (e) Finance Minister Nirmala Sitharaman has lowered the fiscal deficit target to 3.3 per cent for the current fiscal from the earlier estimate of 3.4 per cent of the GDP.
125. (c) The government of Karnataka has launched the water conservation scheme Jalamrutha. The scheme focuses on drought-proofing measures, including protection and rejuvenation of water bodies. Under the scheme, scientific approaches will be deployed for water budgeting, water harvesting and water conservation through the use of geospatial data satellite imagery, topographical and geological data.
126. (e) CEAT Cricket Rating (CCR) Awards 2019 were announced in Mumbai. India captain Virat Kohli bagged the International Cricketer and Batsman of the Year award during the CCR International awards. Pacer Jasprit Bumrah was adjudged as International Bowler of the Year.
127. (d) A unique strategy adopted by Northeast Frontier Railway (NFR) called 'Plan Bee' to keep wild elephants away from train tracks has won the 'Best Innovation Award' in Indian Railways for the 2018-19 fiscal. The prize is awarded by Indian Railways and comprises of a citation and a cash award of ₹3 lakh. In the forest area of Assam, elephants would often come in the way of speeding trains and die as a large portion of rail tracks passing through forested areas. In a bid to tackle the problem NFR came up with 'Plan Bee' in 2017.
128. (c) The International Day of Happiness 2019 was celebrated on 20th March 2019. The aim of this year's International Day of Happiness was to spread happiness in everyone's life. It was also celebrated with the central theme - "Share Happiness and be a part of Something Amazing". International Day of Happiness 2019 theme is - 'Happier Together'
129. (b) The Reserve Bank of India (RBI) board has finalised a three- year roadmap to improve regulation and supervision, among other functions of the central bank. This medium term strategy is named as Utkarsh 2022. The "Three year Roadmap" of the RBI is in-line with the Global standards of the central bank's plan, to strengthen the regulatory and supervisory mechanisms.
130. (a) Captain Aaroohi Pandit (23-year-old) became the world's first woman to cross the Atlantic Ocean solo in a Light Sports Aircraft (LSA), thrilling her family, friends and aviation circles.
131. (a) E-commerce giant Amazon India is the most attractive employer brand in the country followed by Microsoft India and Sony India, says a survey. According to the Randstad Employer Brand Research (REBR) 2019, released Monday, Amazon scored high on financial health, utilisation of latest technologies and a strong reputation.

132. (b) HDFC Bank was ranked No 1 in India by customers in the 'World's Best Banks' survey conducted by Forbes magazine.
133. (c) Deposits in bank accounts opened under Pradhan Mantri Jan Dhan Yojana (PMJDY), launched about five years ago, have crossed the ₹1-lakh crore mark. According to government data, the total balance in PMJDY accounts stood at ₹ 1,00,495.95 crore as on 03rd July 2019. The total number of beneficiaries is 36.06 crore in basic bank accounts under the scheme launched in August 2014.
134. (d) Pinaka is a multiple rocket launcher produced in India and developed by the Defence Research and Development Organisation (DRDO) for the Indian Army. The system has a maximum range of 40 km for Mark-I and 75 km for Mark-II, and can fire a salvo of 12 HE rockets in 44 seconds.
135. (e) Microsoft India partnered with The Ministry of Housing and Urban Affairs (MoHUA) to deploy Microsoft's Project Sangam (cloud-hosted, mobile-first community learning platform) to train functionaries and officers across India on Swachh Bharat e-Learning Portal.
136. (c) The Reserve Bank of India (RBI) has constituted a six member committee to review the existing state of mortgage securitisation in India and suggest measures to deepen it. The mortgage securitisation market in India is primarily dominated by direct assignments among a limited set of market participants on account of various structural factors impacting both the demand and the supply side, as well as certain prudential, legal, tax and accounting issues. The six-member headed by Bain & Co Senior Advisor Harsh Vardhan.
137. (a) The World Bank has implemented the first full issue of public bonds via smart contracts utilizing blockchain technology. As a result, a complete securities lifecycle was carried out using a private Ethereum blockchain from placement to the issuer's performance of its obligations to investors, including settlement. Commonwealth Bank of Australia (CBA) was the organiser and main buyer of the issue of the "Bondi" bond, short for Blockchain Offered New Debt Instrument, with a 2-year maturity term.
138. (e) ICICI Bank has entered into an agreement with the BSE to buy stake in its subsidiary INX located at GIFT City Gujarat for nearly ₹ 31 crore. India International Exchange (INX), a wholly owned subsidiary of the BSE, is India's first international exchange at International Financial Services Centre (IFSC) in GIFT City.
139. (b) Finance Minister Nirmala Sitharaman has announced the launch of a new space company, New Space India Limited (NSIL), which will serve as the commercial arm of the Indian Space Research Organisation (ISRO) and allocated ₹10 crore to the new company.
140. (d) The Union Cabinet has approved the proposal for setting up of a Centre for Disability Sports at Gwalior in Madhya Pradesh. The Centre for Disability Sports, Gwalior will be set up at an estimated cost of ₹170.99 crore, spread over a period of 5 years.
141. (b) The G20 Finance Ministers and Central bank Governors Meeting was held in Fukuoka, Japan. This meeting took place alongside with G20 Ministerial meet on Trade and Digital Economy (on 8-9 June 2019) at Tsukuba city, Ibaraki Prefecture, Japan.
142. (d) Receivables Exchange of India Ltd (RXIL) was incorporated on February 25, 2016 as a joint venture between Small Industries Development Bank of India (SIDBI). SIDBI is the apex financial institution for promotion and financing of MSMEs in India and National Stock Exchange of India Limited (NSE).
143. (a) The IFSC is an 11-character code with the first four alphabetic characters representing the bank name, and the last six characters (usually numeric, but can be alphabetic) representing the branch. The fifth character is 0 (zero) and reserved for future use.
144. (e) The government has set up an 18-member working group for the revision of the current series of Wholesale Price Index. The government has constituted a working group under Chairmanship of Ramesh Chand, Member, Niti Aayog. The revision of the base year would help in presenting a more realistic picture of the price situation and its impact on people.
145. (c) National Company Law Appellate Tribunal (NCLAT) was constituted under Section 410 of the Companies Act, 2013 for hearing appeals against the orders of National Company Law Tribunal(s) (NCLT), with effect from 1st June, 2016.
146. (e) Sarada Kumar Hota has been appointed as the managing director of the National Housing Bank. National Housing Bank (NHB), a Government of India owned entity, was set up on 9 July 1988 under the National Housing Bank Act, 1987.
147. (d) A model village has been inaugurated in Sri Lanka as a part of housing project meant for civil war-affected people and estate workers with Indian assistance.
148. (c) 'Pink City' Jaipur made an official entry in the list of the UNESCO World Heritage sites and leaders across the political spectrum welcomed the signal honour to the historical city. The decision was taken at the 43rd Session of the UNESCO World Heritage Committee (WHC) in the historic city of Baku, Azerbaijan, from June 30-July 10.

149. (b) Former Reserve Bank Deputy Governor R Gandhi has been appointed as additional director on the board of Yes Bank. Gandhi was RBI Deputy Governor during April, 2014 and April, 2017.
150. (a) The World Happiness Report 2019, which ranks 156 countries by how happy their citizens perceive themselves to be, according to their evaluations of their own lives, was launched today at the United Nations. The report was produced in partnership with The Ernesto Illy Foundation.
151. (a) The government's flagship pro-poor scheme Pradhan Mantri Ujjwala Yojana (PMUY) has found maximum success in Delhi, Goa, Haryana, Uttarakhand and Puducherry. These are the states with the maximum percentage of beneficiaries who availed at least four cooking gas refills in the period between May 2016 and June 2019. Delhi topped the list of states with maximum percentage of PMUY beneficiaries availing at least four refills. Delhi had 63,894 beneficiaries at the end of December 2018. Of these, 86 per cent or 54,695 availed at least 4 refills.
152. (b) The report's Gender Gap Index ranks countries according to calculated gender gap between women and men in four key areas: health, education, economy and politics to gauge the state of gender equality in a country.
153. (c) Trading of priority sector lending certificates (PSLCs) on the government's e-Kuber portal by banks will attract integrated goods and services tax.
154. (d) Bharat Sanchar Nigam Limited (BSNL) has announced the launch of its new Wings application in India on Google Play Store. As a part of the introductory offer, the state-owned telecom operator is providing one free month of free Wings service to its new customers.
155. (e) Persons resident in India as defined under Foreign Exchange Management Act, 1999 are eligible to invest in SGB. Eligible investors include individuals, HUFs, trusts, universities, charitable institutions, etc.