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TEST FORM NUMBER

Maximum Marks : 100
Total Questions : 100
Time Allowed : 60 Min.

INSTRUCTIONS TO CANDIDATE

Read the following instructions carefully before you begin to attempt the questions.

- (1) This booklet contains **100 Questions** in all comprising the following **three** parts.
 - Part-(I) : Reasoning Aptitude (35 Questions)**
 - Part-(II) : Quantitative Aptitude (35 Questions)**
 - Part-(III) : English Language (30 Questions)**
- (2) All the questions are compulsory and carry equal marks.
- (3) Before you start to attempt the questions, you must explore this booklet and ensure that it contains all the pages and find that no page is missing or replaced. If you find any flaw in this booklet, you must get it replaced immediately.
- (4) **Each question carries negative marking also as 0.25 mark will be deducted for each wrong answer.**
- (5) You will be supplied the Answer-sheet separately by the invigilator. You must complete the details of Name, Roll number, Test name/Id and name of the examination on the Answer-Sheet carefully before you actually start attempting the questions. You must also put your signature on the Answer-Sheet at the prescribed place. These instructions must be fully complied with, failing which, your Answer-Sheet will not be evaluated and you will be awarded 'ZERO' mark.
- (6) Answer must be shown by completely blackening the corresponding circles on the Answer-Sheet against the relevant question number by **pencil or Black/Blue ball pen** only.
- (7) A machine will read the coded information in the OMR Answer-Sheet. In case the information is incompletely/ different from the information given in the application form, the candidature of such candidate will be treated as cancelled.
- (8) The Answer-Sheet must be handed over to the Invigilator before you leave the Examination Hall.
- (9) Failure to comply with any of the above Instructions will make a candidate liable to such action/penalty as may be deemed fit.
- (10) Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- (11) Mobile phones and wireless communication device are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature.
- (12) No rough work is to be done on the Answer-Sheet.
- (13) No candidate can leave the examination hall before completion of the exam.

NAME OF CANDIDATE:.....

DATE :..... CENTRE CODE :

ROLL No

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

Reasoning Aptitude

1. In the question given below, three statements are given and followed by some conclusions given in options. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Statements: No gas is fuel.

Some coal is fuel.

Only a few oil is fuel.

(A) Some oil is fuel.

(B) Some coal is gas.

(C) All fuel is oil.

(D) Some oil is not gas.

(E) Both (A) and (D) follow

2. In the following question, two statements are given and three conclusions are given below these statements. Choose the option which shows the conclusions which logically follow from the given statements, disregarding commonly known facts.

Statements: All houses are hotels.

Only a few hotels are rooms.

Conclusions: I. Some hotels are houses.

II. All hotels can be rooms.

III. Some rooms can be houses.

(A) Only III and II follow (B) Only I follows

(C) Only I and III follow (D) Only I and II follow

(E) Only III follow

3. In the question given below, three statements are given followed two conclusions. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

Statements: Only a few lights are bulbs.

All sun is light.

All moon is light.

Conclusions: I. Some moon is bulb is a possibility.

II. Some sun is not moon is a possibility.

(A) Only conclusion I follows

(B) Only conclusion II follows

(C) Neither conclusion I nor II follows

(D) Either conclusion I or II follows

(E) Both conclusions I and II follow

- Directions [04-06]:** Certain number of boxes are arranged one above the other in a stack. Three boxes are kept between Box 1 and Box 5. Box 3 is kept immediately above Box 6. Only one box is kept between Box 4 and Box 6. Five boxes are kept between Box 4 and Box 2, which is kept at the bottommost position. Two boxes are kept between Box 5 and Box 3. The total number of boxes kept below Box 6 is equal to the total number of boxes kept above Box 3.

4. If two boxes are kept between Box 1 and Box 7, then how many boxes are kept between Box 7 and Box 4?

(A) 4

(B) 5

(C) 6

(D) 7

(E) 9

5. Which among the following statements is false?

(A) Box 4 is kept below Box 1

(B) Only one box is kept above Box 1

(C) Five boxes are kept between Box 5 and Box 4

(D) More than eight boxes are kept below Box 5

(E) Box 3 is kept below Box 1 and above box 5

6. How many boxes are arranged in the stack?

(A) 19

(B) 15

(C) 18

(D) 20

(E) 23

7. How many pairs of letters are there in the word "HYPOXEMIC" which has as many letters between them as in the alphabet when counted from both sides?

(A) One

(B) Two

(C) Three

(D) Four

(E) More than four

8. How many such pairs of letters are there in the word 'SACCHARINE' each of which has as many letters between them in the word as in the English alphabet (both backward and forward direction)?

(A) One

(B) Two

(C) Three

(D) More than three

(E) None

- Directions [09-13]:** Eight people A,B,C,D,E,F,G and H played cricket matches on different days. The dates in which they played were 7, 14, 17 and 24th of the months of March or April or May. Further it is known that G and B played on the same date. G played in the month of March after C. Nobody played on 14th March. F and H played on the same date. Not more than 3 people were played in the same month. A played on 7th April. Nobody played on the same date as E. At least three people played in April. D was the last person to play but not on 17th. H played after B but before E. H and E played on the different months.

9. How many people played after F?

(A) 2

(B) 3

(C) 4

(D) 5

(E) more than 5

10. How many people played between H and C?

(A) 2

(B) 3

(C) 4

(D) 5

(E) 1

11. On which date did H played?

(A) 14th April

(B) 17th April

(C) 24th April

(D) 7th May

(E) none of these

12. Who played on 14th April?

(A) B

(B) H

(C) F

(D) E

(E) Nobody

13. Who among the following is odd from the rest?

(A) C

(B) A

(C) E

(D) G

(E) B

- Directions [14-18]:** Study the given information carefully and answer the questions below it:

Seven persons Ajay, Bhanu, Chandni, Dola, Ekta, Farhan and Gulam are sitting in a straight line but not necessarily in the same order. Some are facing north direction and some are facing south direction. Not more than two adjacent persons facing the

same directions. Ekta and Farhan are facing the same directions. Ekta is an immediate neighbour of Chandni. Gulam sits 2nd to the right of Farhan. Bhanu sits at one of the extreme ends of the row. The persons who are sitting at the extreme ends of the row are facing the opposite directions of each other. Dola is facing opposite direction of Bhanu. Gulam sits 3rd to the right of Bhanu. Two persons sit between Dola and Ekta. Chandni sits 3rd to the left of Gulam. Farhan sits adjacent to Dola. Ajay is facing the south direction.

14. _____ sits immediately right of Gulam.
(A) Ajay (B) Farhan
(C) Dola (D) Chandni
(E) Ekta
15. Who sits 2nd to the right of Ajay?
(A) Dola (B) Farhan
(C) Bhanu (D) Chandni
(E) Gulam
16. How many persons sit between Chandni and Farhan?
(A) None (B) One
(C) Two (D) Three
(E) More than three
17. What is the position of Bhanu with respect to Dola?
(A) Immediate left (B) 2nd to the right
(C) 3rd to the left (D) 4th to the right
(E) Immediately right
18. How many persons are facing the south direction?
(A) One (B) Two
(C) Three (D) Four
(E) Five
19. Consider the alphanumeric string given below consisting of letters, numbers and symbols and answer the question that follow based on the given steps:
¥ ∞ 1 8 Q ₹ D J Ω 3 P 2 # K G β 7 R 4 ≤ I 5 B Z A 6 E 9 U
If all the consonants are dropped from the string, then which element will be sixth from the right end after the rearrangement?
(A) 7 (B) 5
(C) 4 (D) ≤
(E) I
20. In the question below, a statement is followed by two conclusions based on the statement. Study the conclusions and select the correct option as the answer.
Statement: $L > J \geq F \geq H = W < R$; $K > J \leq G$
Conclusion I: $G \geq W$ **II:** $R \leq J$
(A) Both I and II follow (B) Either I or II follows
(C) Only I follows (D) Only II follows
(E) Neither I nor II follows
21. In the question below relationship between different elements is shown in the statements. The statements are followed by two conclusions numbered I and II. Study the conclusions based on the given statements and select the appropriate answer.
Statements: $A > B \geq C > P$; $Q < R = P > S$
Conclusions: I. $S > B$ II. $R < A$
(A) Only conclusion I follows.
(B) Only conclusion II follows.
(C) Either conclusion I or conclusion II follows.
(D) Neither conclusion I nor conclusion II follows.

(E) Both conclusions I and II follow.

22. In a showroom, different types of dress material such as Kurta, Plazoo, Jeans, Saree, Gown, Blazer, Shirt, and Patiyla are hanged in a row from left to right but not necessarily in the same order. Three dresses are kept between Plazoo and Shirt. Jeans is kept third to the right of Patiyla. Gown is kept to the left of Blazer. Three dresses are kept between Kurta and Saree. Plazoo is kept third to the left of Kurta. Number of dresses to the left of Gown is same as the number of dresses to the right of blazer. Shirt is not kept adjacent to Jeans. How many dresses are kept to the right of Blazer?
(A) None (B) 1
(C) 2 (D) 3
(E) 4
23. The following question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give the answer.
In a family of Eight members, if O and K are daughters of N, then how S is related to the wife of N?
Statement I: N is the son-in-law of P. Z is the grandfather of O, who is the mother-in-law of T.
Statement II: T is married to S, who is the granddaughter of M. P is married to Z.
(A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
(B) If the data in the statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
(C) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
(D) If the data in both statement I and statement II together are not sufficient to answer the question.
(E) If the data in both statement I and statement II together are necessary to answer the question.

Directions [24-28]: In a library, Eight persons Anu, Binu, Sinu, Kinu, Rinu, Dinu, Minu and Tinu sit around a circular table facing the centre and equidistant from each other but not necessarily in the same order. Each of them is reading different novels viz., Looker, The Parisian, Nostromo, Deliverance, Scoop, The Swap, Darkness and Sugar bread but not necessarily in the same order.
Sinu sits third to the right of Kinu, who is reading Nostromo novel. Two persons sit between Anu and Dinu, who is reading Scoop novel. The person who is reading 'The Swap' novel sits immediate right of the person who is reading 'The Parisian' novel. Minu sits second to the left of Binu, who is reading Looker novel. Rinu is not reading Deliverance novel. Neither Sinu nor the person who is reading Nostromo novel sits adjacent to Dinu. Rinu sits opposite to the person who is reading Darkness novel. The number of persons sitting between Sinu and Tinu is same from both left and right sides.

24. Which of the following novel is read by Rinu?
(A) Scoop (B) Nostromo
(C) Sugar bread (D) The Swap
(E) Darkness

25. How many persons sit between Sinu and the persons who is reading Deliverance novel?
(A) 1 (B) 2
(C) 3 (D) More than 3
(E) Either 2 or 4
26. What is the position of Kinu with respect to Minu?
(A) Second to the left
(B) Third to the right
(C) Immediate left
(D) Second to the right
(E) Third to the left
27. Four of the following pairs are related to each other in some way and thus form a group, which of the following pair does not belong to that group?
(A) Anu - Rinu (B) Binu - Kinu
(C) Minu - Dinu (D) Tinu - Sinu
(E) Sinu - Dinu
28. Minu, who is reading _____ novel, sits immediate right of _____.
(A) Scoop, Dinu (B) The Parisian, Anu
(C) Looker, Rinu (D) Deliverance, Binu
(E) The Swap, Kinu
29. How many such pairs of numbers are there in '71943586', each of which has as many digits between them as in number series (both forward and backward direction)?
(A) 2 (B) 4
(C) 5 (D) 6
(E) More than 6
30. The following question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give the answer.
Six persons A, B, C, D, E and F live in a six-storeyed building. The bottommost floor is numbered as 1 and the topmost floor is numbered as 6. Who among the following lives on the topmost floor?
Statement I: C lives on 2nd floor. Three persons live between E and F, who lives immediately below C. A lives immediately above B.
Statement II: Only one person lives between B and F, who lives on 1st floor. E lives immediately above A and immediately below D.
(A) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
(B) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
(C) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
(D) If the data in both statement I and statement II together are not sufficient to answer the question.
(E) If the data in both statement I and statement II together are necessary to answer the question.

Directions [31-33]: Study the following information carefully and answer the questions given below:

In a certain code language, the following statements are coded.

"Music change the world" is coded as "Yen Jen Men Len"

"Power of Music" is coded as "Jen Wen Ben"

"The world is book" is coded as "Men Zen Hen Yen"

"Change the book cover" is coded as "Zen Len Yen Pen"

31. What should be the code for the word 'Power'?
(A) Wen (B) Ben
(C) Yen (D) Pen
(E) Cannot be determined
32. Which of the following statement is true?
(A) The code for word 'the' is 'hen'.
(B) The code for word 'book' is 'jen'.
(C) The code for word 'cover' is 'pen'.
(D) The code for word 'music' is 'ben'.
(E) All statements are true.
33. Which of the following words corresponds to the code 'book of world'?
(A) Jen Yen Ben (B) Pen Hen Men
(C) Jen Len Zen (D) Zen Wen Men
(E) Yen Ben Pen
34. In the number, '489531563782', if all the numbers are get reversed, then what is the multiplication of third number from the left end and fourth number from the right end of the number thus formed?
(A) 35 (B) 72
(C) 18 (D) 63
(E) 40
35. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements are sufficient to answer the question.
Who is the oldest among the seven friends Ram, Ravi, Amir, Sita, Pinu, Jay and Jia?
Statement I: Only two friends are older than Ram. Only one friend is younger than Pinu.
Statement II: Jia is older than Jay but not older than Ravi and all three of them are younger than Ram. Sita is not the oldest.
(A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
(B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
(C) If the data either in statement I alone or in statement II alone are sufficient to answer the question
(D) If the data given in both statements I and II together are not sufficient to answer the question
(E) If the data in both statements I and II together are necessary to answer the question

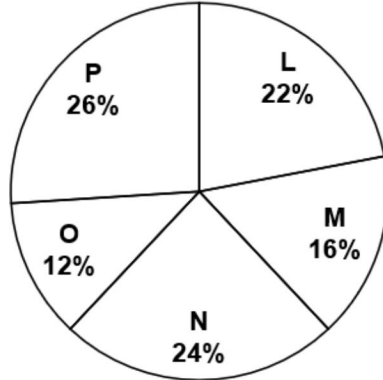
Quantitative Aptitude

36. Find the wrong term in the series given below.
20, 507, 867, 1124, 1294, 1395
(A) 507 (B) 20
(C) 867 (D) 1124
(E) 1294
37. Find the wrong term in the series given below.
128 130 140 148 168 198
(A) 198 (B) 128
(C) 140 (D) 148
(E) 168
38. Find the wrong term in the series given below.
150, 102, 128, 114, 120, 117

- (A) 120 (B) 150
(C) 102 (D) 114
(E) 128

Directions [39-43]: Study the following information carefully and answer the related questions.

Following pie-chart represents the percentage break-up of sale of toothbrushes in five stores L, M, N, O and P.



Note:

- In each store, the ratio of sale of toothbrushes and soap cases is 7: 5 respectively.
- Total 288 toothbrushes and soap cases sold from store N.

39. If total 180 soap cases sold from stores N and Q together, then the sale of soap cases in store Q is what percentage more/less than the sale of soap cases in store M?
(A) 20% (B) 33.33%
(C) 12.67% (D) 25%
(E) 30%
40. Sale of toothbrushes and soap cases together in store P is what percentage of the sale of toothbrushes and soap cases together in store M?
(A) 144% (B) 123.5%
(C) 180% (D) 154.75%
(E) 162.5%
41. In store O, if the price of one toothbrush is Rs.16 and the price of one soap case is Rs.30, then the earnings of store O on selling toothbrushes and soap cases together is Rs. _____.
(A) Rs.3460 (B) Rs.3348
(C) Rs.3144 (D) Rs.3030
(E) Rs.3212
42. The average sale of soap cases in store M, N and P is equal to -
(A) Sale of soap cases in store O
(B) Sale of soap cases in store L
(C) Sale of toothbrushes in store M
(D) Sale of toothbrushes in store O
(E) None of these
43. The difference between the number of ____ sold from store ____ and ____ is 70. What can come in place of the given blanks in same order?
I. Toothbrushes, L, O
II. Toothbrushes, M, P
III. Soap cases, O, P
(A) Only I (B) Only II
(C) Both I and III (D) All I, II and III
(E) Only III

Directions [44-48]: Table given below shows the number of medals (Gold, Silver and Bronze) won by six different countries in Olympic games.

Teams	Number of medal in Olympic Games		
	Gold	Silver	Bronze
Australia	150	160	190
China	225	175	150
Canada	64	102	134
France	210	240	270
Great Britain	264	295	291
Germany	190	195	215

44. Find the difference between average number of Gold medal won by Australia, China and France together and average number of Bronze medal won by Germany and Great Britain together.
(A) 53 (B) 95
(C) 58 (D) 29
(E) None of these
45. Number of silver medals won by Germany, France and China together is approximately what percent more than that of won by Australia, Canada and Great Britain together?
(A) 9.5% (B) 19.5%
(C) 4.5% (D) 12.5%
(E) None of these
46. If the number of Gold, Silver and Bronze medals won by India is 10%, 15% and 20% that of won by France respectively, then find the total medals won by India in the Olympic games.
(A) 108 (B) 109
(C) 110 (D) 111
(E) None of these
47. Total medals won by France is what percent of total bronze medals won by all the six countries together?
(A) 42.4% (B) 47.6%
(C) 57.6% (D) 52.4%
(E) None of these
48. What is the ratio of total medals won by Great Britain and Canada together to the total medals won by Australia and China together?
(A) 23 : 21 (B) 11 : 10
(C) 10 : 11 (D) 21 : 23
(E) None of these
49. A wire is looped in the form of an equilateral triangle of side x cm. It is bent again into a square form of side y cm. Again it is bent in the form of a circle of radius 28 cm; find the value of (x - y).
(A) 44/3 (B) 12/5
(C) 33/5 (D) 31/3
(E) None of these
50. A purse contains 8 white scarves, and 6 black scarves out of which 3 white scarves and 4 black scarves are defected. If two scarves are selected at random, what is the probability that either both scarves are white colour or both scarves are in good condition?
(A) 6/13 (B) 7/13
(C) 8/13 (D) 7/26
(E) 9/26

Directions [51-54]: Read the data carefully and answer the following questions.

Employees from five different companies attended a conference. The number of employees working in company A who attended the conference is 112 which is 20% of the total number of employees who attended the conference. 37.5% of the total employees who attended the conference are working in company D. The number of employees working in company B who attended the conference is 20% less than the number of employees working in company D who attended the conference. The ratio of the number of employees working in company C to the number of employees working in company E who attended the conference is 4:3 respectively.

51. The number of employees working in company B who attended the conference is what percent more than the number of employees working in company C who attended the conference?
(A) 128% (B) 220%
(C) 328% (D) 320%
(E) 420%
52. Find the average number of employees working in company A, C, D and E together who attended the conference.
(A) 108 (B) 112
(C) 98 (D) 88
(E) 102
53. The number of employees working in company D who attended the conference is how much more than the number of employees working in company B who attended the conference?
(A) 32 (B) 42
(C) 98 (D) 170
(E) None of these
54. Find the ratio of the number of employees working in company A who attended the conference to the number of employees working in company C and E together who attended the conference.
(A) 3:7 (B) 5:8
(C) 3:5 (D) 7:3
(E) None of these
55. Pratap and Qamar invested money in the ratio 4:5. Pratap invested for 4 more months than Qamar. If the profit was invested at the rate of 20% per annum simple interest, the interest earned in 4 years will be Rs 56,000. If Pratap's share is Rs 10,000 more than Qamar's, for how many months has Pratap invested his money?
(A) 8 (B) 12
(C) 10 (D) 6
(E) 5
56. Train X and train Y, running in opposite direction, cross each other in 20 sec. Ratio of the speed of train X and train Y is 3:5. Ratio of the length of train X and train Y is 5:3. A man running at 10 m/sec, crosses a bridge, having length equal to the length of train Y, in 30 sec. Find the speed of train X. (in km/hour)
(A) 54 km/hour (B) 55 km/hour
(C) 50 km/hour (D) 60 km/hour
(E) 65 km/hour

57. In the following questions two equations numbered I and II are given. You have to solve both the equations and choose the correct option.
I. $9x^2 - 64 = 0$ II. $y^2 - 36y + 324 = 0$
(A) $x < y$ (B) $x > y$
(C) $x \leq y$ (D) $x \geq y$
(E) $x = y$ or relationship cannot be established
58. In the following questions two equations numbered I and II are given. You have to solve both the equations and choose the correct option.
I. $x^2 - 121 = 0$ II. $y^2 + 33y + 242 = 0$
(A) $x < y$ (B) $x > y$
(C) $x \leq y$ (D) $x \geq y$
(E) $x = y$ or relationship cannot be established
59. In the following question, two equations I and II are given. Solve both the equations carefully and choose the correct option.
I. $x^2 - 7.8x + 14 = 0$ II. $y^2 - 6.3y + 9.8 = 0$
(A) $x \geq y$ (B) $x < y$
(C) $x = y$ or no relation can be established between x and y
(D) $x > y$ (E) $x \leq y$
60. In the following question, two equations I and II are given. Solve both the equations carefully and choose the correct option.
(I) $x^2 - 15\frac{2}{15}x + 2 = 0$ (II) $y^2 - 31\frac{4}{5}y + 252 = 0$
(A) $x \leq y$ (B) $x < y$
(C) $x \geq y$ (D) $x > y$
(E) $x = y$ or no relation can be established between x and y
61. What approximate value should come in place of the question mark?
 $\sqrt{4900.12} \times 7.89 + 75.99 \times 8.03 = ?/1.97$
(A) 2146 (B) 2258
(C) 2120 (D) 2336
(E) 2356
62. What approximate value should come in place of the question mark?
 $20.22 \times 33.33 + \frac{51.94}{25.95} \times \sqrt{2025.22} = ?$
(A) 640 (B) 720
(C) 645 (D) 780
(E) 750
63. What approximate value should come in place of the question mark?
 $? - 44.99\% \text{ of } 200.01 = 69.85 \times 41.95 + 56.11$
(A) 3016 (B) 3296
(C) 3186 (D) 3086
(E) 3095
64. In an exam of physics, R scored 90% marks, N scored 80% and S scored 70 marks out of the total marks. Average marks scored by them was 80. What percentage of the total marks did S get?
(A) 75% (B) 90%
(C) 65% (D) 70%
(E) 80%
65. Interest earned from compound interest on a certain sum of money at 8% per annum for two years is Rs. 184 less than the interest earned from simple interest on the same sum of money at 12% per annum for two years. Then what is the sum of money?
(A) Rs. 2400 (B) Rs. 2200
(C) Rs. 2500 (D) Rs. 2100
(E) Rs. 2000

66. In a mixture of 500 litres, ratio of quantity of milk to water is 4:1. $\frac{1}{5}$ th of the solution is taken out from the mixture. 20% of the initial total quantity of solution is again taken out from the solution and 20 litres of water is added into the solution. Find the ratio of final quantity of milk and water in the solution.
 (A) 3:1 (B) 1:3
 (C) 2:3 (D) 3:2
 (E) 1:5
67. There are three numbers m, n, and p, such that sum of m and n is 144, sum of thrice of n and five times of p is 464, and sum of p and m is 160, then what is the value of p?
 (A) 32 (B) 28
 (C) 64 (D) 56
 (E) 96
68. A jar contains water and soda in the ratio of 11:4. The quantity of mixture that must be drawn off and replaced with soda so that the quantity of water and soda in the mixture becomes equal is-
 (A) $\frac{4}{11}$ (B) $\frac{11}{21}$
 (C) $\frac{7}{22}$ (D) $\frac{3}{16}$
 (E) $\frac{9}{23}$
69. The ratio of 40% of 960 to 64% of 74 less than a number is 4:5. Find 24 more than twice of the number.
 (A) 1464 (B) 1885
 (C) 1240 (D) 1672
 (E) 2025
70. a is $66\frac{2}{3}\%$ more than b, b is 87.5% less than c and c is 50% more than d. If d is equal to 360, the value of a is :
 (A) 110 (B) 108.5
 (C) 112.5 (D) 45
 (E) 97.5

English Language

71. In the following question, the sentence is divided into five parts and the parts are jumbled randomly. Read the following parts of the sentence and choose the correct order of the parts of the sentence as your answer. If the sequence is correct as it is mark 'No rearrangement needed' as the answer.
 A. that with B. video gaming
 C. Nielsen elaborates D. the main problem
 E. the game is rarely
 (A) BCDEA (B) CABED
 (C) ACBDE (D) EDABC
 (E) No rearrangement required
72. In the given question, a sentence has been broken into four parts and the parts are jumbled. Choose the option which provides the correct way to rearrange the parts to form a grammatically and contextually meaningful sentence. If all the parts are correctly placed, mark E as your answer.
 A. has become inevitable, owing to swinging economic conditions
 B. has become insufficient to run families and meet other needs
 C. alternate income, that is, income from sources other than salary,
 D. and growing inflation, as a monthly salary alone for a family
 (A) DCBA (B) ADBC

- (C) CADB (D) BDCA
 (E) No rearrangement required

73. In the following question, four statements are given which are based on same or different theme and may or may not contain an error. Choose the one that is grammatically and meaningfully incorrect.
 (A) Eating engages the part of our nervous system that counteract the Fight, Flight, or Freeze mechanism responsible for our stress hormones.
 (B) Lidar (light detection and ranging) technology is not new - the Apollo 15 mission used it in 1971 to map the Moon.
 (C) The whole history of fiction shows that alternative realities are an attractive and profitable idea.
 (D) Anxiety is the most common psychological condition that people struggle with, and it often follows high stress.
 (E) All are incorrect
74. Read the given sentence to find out where there are any grammatical errors in it. The errors, if any, will be in two of the phrases of the sentence and the combination of those parts will be the answer. If no part in the sentence has an error, mark 'No error' as your answer.
 I go to school (A)/ daily by foot, whereas (B)/ Jack goes to (C)/ school in school bus (D).
 (A) AB (B) BC
 (C) BD (D) CD
 (E) No error
75. In the following question, a sentence is given with a phrase highlighted in bold. Select the option given below that can replace the phrase in bold to make the sentence grammatically and contextually correct and mark that as your answer. If the sentence is correct as it is, mark 'No correction required', as the answer.
 The cop **pulled out his car** and inspected the vehicle which was abandoned under the bridge.
 (A) pulled over his car (B) pulls up her car
 (C) pull ups his cars (D) pulls out his cars
 (E) No correction required
76. In the following question, a word has been given and there are four ways in which the word has been used, in similar or different forms. Choose the sentence in which the word is correctly used and mark that as your answer. If the word is correctly used in all the sentences, mark E as your answer.
SUBJUGATE
 (A) Humiliation is a technique of deliberately **subjugating** a person or group by violating their dignity and is often used as a political or military weapon.
 (B) Road crashes claim nearly 40,000 lives annually in the United States and the result is **subjugate** financial and emotional suffering to society.
 (C) Fresh water is one of humanity's greatest natural resources, although this is only slowly becoming truly **subjugated**.
 (D) According to our research in progress, making one small mindset change - treating your weekend like a vacation - can **subjugate** your happiness.
 (E) All are correct
77. In the given question, a word has been given and there are three ways in which the word has been used, in similar or different forms. You need to see which of the sentences has/have correctly

used the highlighted word, and mark that as your answer.

Arm

- I. It's important to **arm** yourself with a solid education in order to succeed.
 - II. The soldiers were well supplied with the **arms**.
 - III. Although not physically injured in the accident, she received some psychological **arm**.
- (A) Only I (B) Only I and II
(C) Only I and III (D) Only II and III
(E) All I, II and III

Directions [78-84]: Read the following passage carefully and answer the questions given below it. Certain words/phrases are given in bold in the passage to help you locate them while answering some of the questions.

As the name implies, an executive pension plan is a tax-efficient savings plan designed especially for executives, senior executives, key employees and directors of a company. It is one of the best forms of pension schemes that enable the executives to get a tax-free income after retirement.

Executive Pension Plan is regulated by the Pensions Regulator. In most cases the employer pays into the plan, in others, both the employer and the employee pay in the plan. Thus a tax-efficient fund is **designed** for the employee. This is used to provide tax-free cash and a pension income to the executive after his retirement. Executive pension plans are similar to any other pension schemes in which they function as money purchase occupational pension schemes.

Normally, Executive Pension Plans (EPPs) are designed by the company directors for their personal benefit. But it can be utilized by their favoured key employees with the same levels of income that this investment can offer. In such cases, the pension fund is held up under a trust in which the trustees are responsible for the day-to-day administration activities like ensuring if the payment contributions and the payout benefits are maintained regularly. Under this scheme, each employee can have the liberty to retire early or to work past the company's retirement date.

The executive pension plan has huge benefits for the employers when it comes to recruiting potential employees. Employers can attract and motivate the employees and reward them with EPP schemes based on their performance. Showering performance incentives for your employees can be a good idea. But still offering them a long term benefit, something which they could count on even after their **active** working years allows them to understand that they are your important business assets. Another benefit of executive pension plan is that certain schemes are eligible for a top up. With an increase in the life expectancy of the applicant, topping up the plan can help in building a larger fund that guarantees a high level of income post retirement.

Moreover, the employees feel comfortable as most of the schemes do not require their regular contribution. Their company will contribute a particular sum of money that goes into their executive pension plan which will mature at the time of their retirement. This is the extra benefit from executive pension schemes that are more advantageous than other forms of plans. With this plan in hand, each employee is guaranteed of tax-free returns for the rest of their life. It also forms part of their main income source which they can

depend on at all times. When it comes to the retirement date, each employee can choose their own year of retirement. They can either choose to retire early or to work past the company's set date of retirement. Whatever the choice is, the employee will still be able to enjoy a worry-free income for the rest of his life. All these advantages attract a large number of executives to sign up for a pension plan that guarantees long time tax-free income

78. What is Executive pension plan as per the passage?
(A) One of the best forms of pension schemes
(B) A tax-efficient savings plan designed only for executives, senior executives, key employees and directors of a company
(C) A tax-efficient savings plan designed mainly for executives, senior executives, key employees and directors of a company
(D) A tax-efficient savings plan designed for executives, key employees, employers and directors of a company
(E) A tax-efficient savings plan designed by executives, senior executives, key employees and directors of a company
79. What is not a feature of Executive Pension Plan?
(A) It is regulated by the Pensions Regulator
(B) In an Executive Pension Plan the main responsibility to pay into the plan is of employer
(C) They are designed primarily for the benefit of the directors of the company
(D) The employees also contribute to the fund in many cases
(E) The fund provides income to an executive when he/she retires.
80. What is/are the main role(s) of the trustees in the case of pension fund?
I. To ensure that the employees get same level of incomes as the directors.
II. To ensure that the employees contribute regularly to the fund.
III. To ensure that the administrative activities are carried out regularly.
(A) Only I and II (B) Only II and III
(C) Only III (D) Only I and III
(E) All I, II and III
81. Which one of the following is not a benefit of the Executive Pension Plan?
(A) Employers can use it to boost the morale of the employees
(B) It is helpful while hiring employees
(C) the amount of the plan can be topped up
(D) the long term benefit of the plan helps making employees feel important
(E) it helps employees in ensuring good retirement life
82. How does the EPP become beneficial for the employee ?
(A) The EPP does not require the employee to contribute to the plan
(B) The money gives them same benefits as other schemes
(C) Because of the scheme, the employees have a tax free income throughout their lives
(D) It supplements their primary income and adds more security of income
(E) The pension plan matures immediately after person's retirement

83. Which of the following words is most similar in meaning to the word '**designed**' as used in the passage?
 (A) coordinated (B) made
 (C) crafted (D) opportunity
 (E) restricted
84. Which of the following words is most opposite in meaning to the word '**active**' as used in the passage?
 (A) energetic (B) current
 (C) lazy (D) boring
 (E) dormant
85. The question consists of four statements labelled A, B, C and D which when logically arranged form a coherent passage. Choose the option that represents the most logical order.
 A. Turns out I can no longer read a map, due to prolonged not-going-anywhere, and nor can I make new friends, owing to systemic not-meeting-anyone.
 B. But the skill I miss most is packing.
 C. I've lost a number of skills recently through underuse.
 D. I can't even remember where to start.
 (A) CABD (B) BDCA
 (C) DACB (D) CDAB
 (E) ADCB
86. In the given question, a sentence has been broken into five parts, and the parts are jumbled. Choose the option that provides the correct way to re-arrange the parts to form a grammatically and contextually meaningful sentence.
 against the shore was soothing (A) / the sound of waves crashing (B) / and peaceful, and I felt (C) / my worries melt away (D) / as I watched the sunset over the ocean (E)
 (A) BACDE (B) CABDE
 (C) AEBDC (D) EDBCA
 (E) DACBE

Directions [87-93]: In the following passage, some of the words have been left out and replaced by a blank represented by a letter. First read the passage and try to understand what it is about. Then fill in the blanks as per the questions given.

It is generally acknowledged that raising a child has geographic variations. In 2009, for ____ (A), a study by an international group of academics looked at the way parents in different countries talked about the traits they wanted their ____ (B) to have. The differences were fascinating. Dutch parents, for example, focused on the Three Rs: *rust*, *reinheid*, and *regelmaat* (rest, cleanliness, and routine). Italian parents preferred their children to be even-tempered, well-balanced, and "simpatico". American ____ (C), meanwhile, were more likely to want their children to be "____" (D) or "cognitively advanced". The US preference represents the shift that has taken place in the way American parents raise their children; the ____ (E) from the so-called latchkey kids of the 1980s to the helicoptered and hot-housed children of today. Parenting in European nations has traditionally been more relaxed, yet things are changing here too; more parents are adopting the kind of intensive parenting style common in the US. Part of it may be down to fears of growing inequality, but the proliferation of expert advice may also be a factor. So where the US leads, will Europe ____ (F) ____?

Is intensive parenting here to stay? "[Intensive parenting] is a type of parenting that requires a significant amount of time and money," says Patrick Ishizuka, a sociology professor at Washington University in St Louis who studies ____ (G) parenting.

87. Which word/phrase should come at (A)?
 (A) Fact (B) Indeed
 (C) Right (D) Example
 (E) Also
88. Which word/phrase should come at (B)?
 (A) Pets (B) Students
 (C) Parents (D) Child
 (E) Children
89. Which word/phrase should come at (C)?
 (A) Parents (B) Children
 (C) Teachers (D) Grandparents
 (E) Professors
90. Which word/phrase should come at (D)?
 (A) Foolish (B) Coward
 (C) Responsibly (D) Socialise
 (E) Intelligent
91. Which word/phrase should come at (E)?
 (A) Tearing (B) Transition
 (C) Translate (D) Trance
 (E) Truthfully
92. Which word/phrase should come at (F)?
 (A) Selection (B) Faithfully
 (C) Followers (D) Follow
 (E) Allow
93. Which word/phrase should come at (G)?
 (A) Caught (B) Conclude
 (C) Intensive (D) Unintentional
 (E) Suspicious
94. In the question below, a sentence is given with five words highlighted in bold. One or more than one of these five words may be either wrongly spelt or inappropriate in the context of the sentence. Find out the word, which is wrongly spelt or inappropriate, if any. If all the words are correctly spelt and appropriate in the context of the sentence, choose 'all are correct' as your answer.
 In the depths of **despair** (A), his actions were **driven** (B) by **desperation** (C) as he **sung** (D) to any thread of hope in a world of **uncertainty** (E).
 (A) Both A and B (B) Both D and E
 (C) Only D (D) Only C
 (E) All are correct
95. In the question given below, a sentence is given, divided into four parts. One of the parts may contain an error. Identify the part that contains the error, and mark it as the answer. Ignore errors of punctuation. In case the sentence is correct as it is, mark option (e), that is, 'No error'.
 It was an extremist (A)/ situation which led (B)/ Suresh to accept the (C)/ offer and sell his company (D).
 (A) D (B) A
 (C) B (D) C
 (E) No error
96. Which of the following phrases (I), (II), and (III) given below each sentence should replace the phrase printed in bold letters to make the sentence

grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark (e) i.e., 'No correction required' as the answer.

The Dust Bowl **was the name give to the drought-stricken** Southern Plains region of the United States.

I. was the name given to the drought-stricken

II. is the name of the drought-stricken

III. is the drought-afflicted

- (A) Only II and III (B) Only I and II
(C) All I, II and III (D) Only I and III
(E) Only II

97. An idiom/phrase is given below in bold. Following this idiom/phrase are given three sentences, which use the given idiom/phrase. The idiom phrase may or may not be used correctly in one or more sentences. Identify the sentence(s) that use(s) the idiom/phrase correctly, both in terms of grammar and context.

Spare someone's blushes

I. The tuition teacher spoke up to **spare the blushes** of the new student.

II. We had spent the whole afternoon just **sparing the blushes** of new employees in the office.

III. Jake's younger brother **saved his blushes** by catching him when he fell out of the tree house.

- (A) Only I and III (B) All are correct
(C) Only II and III (D) Only II
(E) Only I

98. In the question given below, a sentence is given, divided into four parts. One of the parts may contain an error. Identify the part that contains the error, and mark it as the answer. Ignore errors of punctuation. In case the sentence is correct as it is, mark option (e), that is, 'No error'.

The flight ticket cost (A)/ to European countries has (B)/ become cheap than what (C)/ it was, a few years ago (D).

- (A) C (B) A
(C) B (D) D
(E) No error

99. Match the statements of Column 1 and Column 2 and find which of the following pair of statements given in the options make contextually and grammatically correct sense.

Column 1	Column 2
A. Great philosophers across times,	D. As they are too expensive to recycle and dispose of.
B. Music is not limited to musicians alone;	E. Music is universal and belongs to everyone.
C. Electronic wastes are becoming a burden	F. Were hated by their own people.

- (A) All AF, BE, CD (B) Both CD, AE
(C) Only BD (D) Only CF
(E) Only AE

100. Match the statements of Column 1 and Column 2 and find which of the following pair of statements given in the options make contextually and grammatically correct sense.

Column 1	Column 2
A. Food and hospitality industry is heavily affected	D. Result of sedimentation of silt by the rivers.
B. Fluctuations in gold and silver prices	E. Are detected at each toll plazas
C. Though India has many cultures, traditions and religions,	F. They have not influenced the citizens, when it comes to national issues.

- (A) Only BD (B) All AD, BF, CD
(C) Both CE, AD (D) Only CF
(E) All BD, CE, AF

Space for rough work