



VENKIS ACADEMY

Coaching for

Staff Selection Commission

CGL, CHSL, MTS

RAILWAYS, BANKS

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Coaching fee

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BATCH TIMINGS:- 1st BATCH - 6AM TO 8AM, 2nd BATCH - 9AM TO 4PM, 3rd BATCH - 2PM TO 7PM, 4th BATCH - 6PM TO 9PM

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 below, a statement is followed by two conclusions based on the statement. Study the conclusions and select the correct option as the answer.

Statement: $N \leq U = M \leq S$; $H > X > U = P$

Conclusion I: $H > S$

Conclusion II: $P > N$

- (A) Only Conclusion I follow
 (B) Both Conclusion I and II follow
 (C) Either I or II follow
 (D) Only Conclusion II follow
 (E) Neither Conclusion I nor II follow

2. Which inequality sign is represented as # and ~ in the statement $L \# V > U$; $I \leq T \geq N$; $N = L \sim Z$ where $T > U$ and $Z < T$ holds true?

- (A) $\geq, <$ (B) $>, <$
 (C) $\geq, >$ (D) $>, \leq$
 (E) $<, \leq$

3. 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: $X = C \leq L > P \geq N = O$

Conclusions: I. $L \geq X$ II. $O < L$

- (A) Only I follows (B) Only II follows
 (C) Either I or II follow (D) Both I and II follow
 (E) Neither I nor II follow

4. In a certain code language, MIRACLE is coded as JFOXZIB, BIRTHDAY is coded as YFOQEAXV, then how will WINDOW be coded in the same language?

- (A) TFLALT (B) TFKALU
 (C) TFLAKT (D) TFKALT
 (E) None of these

5. Four of the following letter pairs are similar in some manner and one is different. Find the odd one.

- (A) GL (B) MZ
 (C) LX (D) BD
 (E) HP

Direction (06-08): In the question given below, two statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and decide which of the given conclusions logically follows from the given statements disregarding the commonly known facts.

6. **Statements:** Only a few houses are floors.

All floors are buildings.

All buildings are shops.

Conclusions: I. Some shops are not building

II. All shops are houses is a possibility

- (A) Only II follows (B) Either I or II follows
 (C) Neither I nor II follows (D) Both I and II follows
 (E) Only I follows

7. In the following question, three statements are given, and two 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: Only a few doors are stairs.

All gates are ways.

All stairs are ways.

Conclusions: I. Some stairs can be gates.

II. No ways are gates.

- (A) Only I follows (B) Only II follows
 (C) Either I or II follows (D) Both I and II follow
 (E) Neither I nor II follows

8. **Statements:** All fields are parks.

Only a few tracks are courts.

All courts are fields.

Conclusions: I. No courts are parks.

II. Some parks are tracks.

- (A) Only I follows (B) Only II follows
 (C) Either I or II follows (D) Both I and II follow
 (E) Neither I nor II follows

Directions (09-13): Study the following information and answer the given questions.

Eight people, A, B, C, D, E, F, G and H are living in a four-storied building with floors numbered 1 to 4 from the bottom to the top. Each floor has two flats labelled as Flat 1 and Flat 2 from the West to the East respectively. No two people live in the same flat.

F lives on a floor immediately above the one on which G lives. A lives on the lowermost floor with E, neither of them live in the flats that are adjacent to D's flat. E and G live on the same side of the building. B lives on an odd numbered floor immediately above H's floor who lives in flat 2. B and C live on the same flats but on different floors. D lives in flat 1 on an even numbered floor. C lives on an even numbered floor but not on the same floor on which D lives.

9. Who among the following lives on the same floor as D?

- (A) F (B) G
 (C) B (D) C
 (E) None of the above

10. H's flat is immediately below the flat on which _____ lives.

- (A) C (B) A
 (C) B (D) G
 (E) None of the above

11. F lives on the _____ floor.

- (A) 4th (B) 3rd
 (C) 2nd (D) 1st
 (E) None of the above

12. Who among the following lives on the 2nd floor?

- (A) B (B) E
 (C) C (D) F
 (E) None of the above

13. Who among the following lives in Flat 2?

- (A) E (B) D
 (C) B (D) C
 (E) None of the above

Directions [14-18]: Eight persons are sitting around a square table. Four persons are sitting at the corners of the table facing towards the centre while four persons are sitting at the middle of the sides of the table facing away from the centre.

Two persons sit in between Ravina and Arush. Three persons sit in between Sarthak and Nilesh, who sits immediate right of Ravina. Himesh does not sit adjacent to Rucha. Chandu sits third to the left of Rucha, who faces away from the centre. Himesh sits second to the right of Yash.

14. Who sits opposite to Yash?
 (A) Rucha (B) Himesh
 (C) Sarthak (D) Ravina
 (E) Nilesh
15. How many persons sit in between Himesh and Nilesh when counted from the right of Himesh?
 (A) 1 (B) 2
 (C) 3 (D) More than 3
 (E) None
16. If Rucha and Yash, Arush and Chandu, Sarthak and Ravina interchanged their positions respectively, then who among the following sits second to the left of Arush after rearrangement?
 (A) Ravina (B) Yash
 (C) Nilesh (D) Himesh
 (E) Chandu
17. Four of the following persons are related to each other in some way and thus form a group. Which of the following persons does not belong to that group?
 (A) Yash (B) Chandu
 (C) Nilesh (D) Arush
 (E) Sarthak
18. Chandu sits opposite to _____ and immediate right of _____.
 (A) Yash, Sarthak (B) Nilesh, Arush
 (C) Ravina, Rucha (D) Sarthak, Nilesh
 (E) Arush, Himesh

Directions [19-21]: A certain number of people is sitting in a linear row facing north. T sits fourth to the left of R. Six people are sitting between T and S. U sits third to the right of S. Four people are sitting between S and P. P sits to the left of S. V sits third to the left of P. Only three people are sitting to the left of P. No more than 12 people are sitting in the linear row.

19. The number of people sitting between T and P is the same as the number of people sitting between P and ____?
 (A) V (B) S
 (C) R (D) U
 (E) None of the above
20. How many people are sitting between R and S?
 (A) One (B) Three
 (C) None (D) Four
 (E) Two
21. Who among the following sit to the right of R?
 I: S II: U III: V
 (A) Only I (B) Only II
 (C) Only III (D) Both I and II
 (E) Both II and III

Directions [22-24]: Some cars were parked in a parking lot in different directions. Car C is parked 35m east of car A. Car M is 26m south of car C. Car R is parked 50m north of car U. Car M is parked 40m east of car U. Car D is parked 5m east of car R. Car Z is parked 10m south of car D.

22. What is the shortest distance between car Z and car A?
 (A) 14m (B) 15m
 (C) 18m (D) 20m
 (E) 12m

23. In which direction is car D parked with respect to car M?
 (A) South west (B) East
 (C) North west (D) West
 (E) South east
24. Car C is parked in some direction with respect to car D as in the same way car A is parked with respect to car _____.
 (A) Z (B) D
 (C) R (D) C
 (E) U

Directions [25-27]: A family has six members. F is the mother of G. H is the brother-in-law of E. H is the uncle of G and K. E has two children one male and one female. G is the wife of J. E is husband of F.

25. How is J related to K?
 (A) Father-in-law (B) Son-in-law
 (C) Brother-in-law (D) Father
 (E) Son
26. How many female members is/are there in the family?
 (A) One (B) Three
 (C) Two (D) Four
 (E) More than four
27. Who among the following is the daughter of E?
 (A) K (B) G
 (C) J (D) H
 (E) F

28. In the word 'BACKSWING', if each consonant is replaced by its preceding letter and each vowel is replaced by its succeeding letter as in the English alphabet, then which letter will appear more than once in the new word formed?

- I. F II. J III. B
 (A) Only II (B) Only II and III
 (C) Only I (D) Only I and II
 (E) Only III

29. Seven persons were born in seven consecutive years from 1995 to 2001. No two persons were born in the same year. Y was born in the immediate year before T. Two persons were born in between T and R. R was born in the year 1998. One person was born in between R and W. H was born after O but before N. In which year was N born?
 (A) 1999 (B) 1997
 (C) 2000 (D) 1996
 (E) 2001

30. How many pairs of letters are there in the word "SWIPED" which have as many letters between them as in the alphabet when counted from both forward and backward?
 (A) One (B) Four
 (C) Two (D) Three
 (E) None

Directions [31-35]: The following questions are based on the sequence of five three-digit numbers given below:

368 128 479 804 537

31. If all the numbers are arranged in descending order from left to right, then which number will be the fourth number from the left?

- (A) 479 (B) 128
- (C) 537 (D) 804
- (E) 368

- (A) (13/3) days (B) (14/3) days
- (C) (23/3) days (D) (20/3) days
- (E) (17/3) days

32. The highest sum is obtained by adding all the three digits of the _____ number in the series. Fill in the blanks.
- (A) lowest (B) second highest
 - (C) third lowest (D) highest
 - (E) second lowest
33. In how many numbers, the first digit from left of the number is smaller than the second digit?
- (A) One (B) None
 - (C) Two (D) Three
 - (E) More than three
34. What is the fifth digit to the left of '5' in the sequence?
- (A) 7 (B) 2
 - (C) 9 (D) 4
 - (E) 1
35. How many numbers will retain their original position when the numbers are arranged in ascending order from left to right?
- (A) Two (B) Three
 - (C) More than three (D) One
 - (E) None

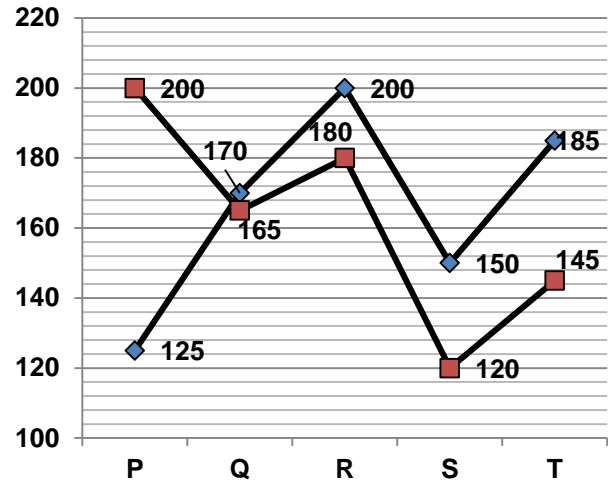
Quantitative Aptitude

36. A seller marks his goods 40% above the cost price and then gives a discount of 25%. Find the gain percent.
- (A) 10% (B) 5%
 - (C) 15% (D) 12%
 - (E) 83%
37. P started investment. The initial investment of P is Rs.15,000 and the initial investment of Q is Rs.8000. The ratio of profit made by P and profit made by Q is 9:4. After how many months P left the partnership? if Q invests after nine months. The total time is 24 months.
- (A) 16 months (B) 22 months
 - (C) 21 months (D) 18 months
 - (E) 24 months
38. If a dairy mixes the cow's milk which contains 14.28% fat with the buffalo's milk which contains 33.33% fat, then the resulting mixture has fat 25%. What is the respective ratio in which the cow's milk was mixed with the buffalo's milk?
- (A) 4: 5 (B) 5: 4
 - (C) 7: 9 (D) 9: 7
 - (E) 7: 8
39. R can row a boat 40km upstream and 50km downstream in 5 hours, whereas he can row a boat 50km upstream and 100km downstream in 7 hours. Find the speed of boat in still water is how much more than the speed of stream.
- (A) 50 km/hr (B) 10 km/hr
 - (C) 30 km/hr (D) 40 km/hr
 - (E) 20 km/hr
40. A, B, C working alone can do a work in 4, 8, 12 days respectively. If they work at an alternate days, on first day A works alone, on 2nd day B and C works together and so on. In how many days work will be completed?

Directions [41-45]: Study the following information carefully and answer the related questions.

Following line graph represents the data regarding number of people participated in painting and singing competition from different states.

◆ Number of people participated in painting competition
 ■ Number of people participated in singing competition



41. What is the respective ratio of total number of people participated in singing competition from state Q to the total number of people participated in painting competition from state R?
- (A) 23: 57 (B) 51: 61
 - (C) 71: 82 (D) 41: 53
 - (E) 33: 40
42. If the ratio of male to female participants in painting competition from state S is 2: 1 respectively, then how many females participated in painting competition from state S?
- (A) 45 (B) 50
 - (C) 54 (D) 60
 - (E) 63
43. What is the difference between total number of people participated in painting competition from state S and T taken together and total number of people participated in singing competition from same states?
- (A) 40 (B) 50
 - (C) 60 (D) 70
 - (E) 80
44. What is the average of total number of people participated in singing competition from all given states taken together?
- (A) 170 (B) 168
 - (C) 166 (D) 164
 - (E) 162
45. Total number of people participated in singing competition from state R are approximately what percent more/less than total number of people participated in painting competition from state P?

- (A) 44% (B) 50%
(C) 38% (D) 54%
(E) 48%

- $160 \times 12 = ? - 200 \times 3$
(A) 2570 (B) 2550
(C) 2520 (D) 2580
(E) 2440

46. What should come in place of the question mark (?) in the following number series?
48, 52, 79, 95, 220, ?
(A) 256 (B) 436
(C) 355 (D) 284
(E) 320
47. Find the wrong number of the series
1, 16, 125, 256, 625, 1296
(A) 16 (B) 1296
(C) 256 (D) 125
(E) 625
48. Find the missing term in the series.
224, 112, 112, 168, ?, 840
(A) 708 (B) 460
(C) 336 (D) 468
(E) 716
49. Find the next term in the series.
185, 234, 315, 436, 605, ?
(A) 830 (B) 698
(C) 735 (D) 949
(E) 955
50. Find the wrong term in the following series.
4521, 4522, 4525, 4535, 4551, 4576, 4612
(A) 4525 (B) 4612
(C) 4522 (D) 4576
(E) 4535
51. What value will come in place of question mark (?) in the following question?
 $135 \times 12 = ? - 130 \times 4$
(A) 2160 (B) 2140
(C) 2100 (D) 2070
(E) 2130
52. What value will come in place of question mark (?) in the following question?
 $(16)^3 \div (64)^2 \times 256 = 2^{?+6}$
(A) 2 (B) 12
(C) 8 (D) 5
(E) 0
53. What value will come in place of question mark (?) in the following question?
 $4896 \div 96 = ? + 12$
(A) 33 (B) 35
(C) 39 (D) 46
(E) 38
54. What value will come in place of question mark (?) in the following question?
 $\sqrt{1521} + ? = 3\frac{3}{6}$ of 102
(A) 327 (B) 306
(C) 298 (D) 318
(E) 302
55. What value will come in place of question mark (?) in the following question?
 $(?)^2 + 8^3 = 27^2 - 21$
(A) 14 (B) 26
(C) 22 (D) 18
(E) 34
56. What value will come in place of question mark (?) in the following question?

Directions [57-61]: Study the following information carefully and answer the related questions.

In a school, there are total 600 students and each student like at least one subject among Hindi, English and Drawing. 72% students like Drawing and 7% students like only Hindi. 54 students like all three subjects and 56% students like Hindi. 12% students like both English and Hindi but not Drawing and 108 students like both English and Drawing but not Hindi.

57. How many students like only one subject?
(A) 182 (B) 186
(C) 190 (D) 194
(E) 198
58. If ratio of girls to boys who like English is 5: 3 respectively, then how many girls like English?
(A) 120 (B) 136
(C) 150 (D) 180
(E) 172
59. What percent students like at least two subjects?
(A) 67% (B) 55%
(C) 63% (D) 59%
(E) 71%
60. What is the respective ratio of number of students like only English to number of students like all three subjects?
(A) 3: 2 (B) 8: 7
(C) 5: 4 (D) 1: 1
(E) 4: 3
61. How many students do not like Hindi?
(A) 244 (B) 248
(C) 256 (D) 260
(E) 264
62. There are 'n' persons in a society out of which 78% are literate. 60% population of society are males. The difference between female and illiterate population is 126. Find the value of 'n'.
(A) 700 (B) 600
(C) 800 (D) 900
(E) 500
63. A question is followed by two statements. Read all the statements carefully and find which of the following statement(s) is/are sufficient to answer the question.
What is the rate of interest?
Statement I: An amount increased by 25% in 3 years when invested at simple rate of interest.
Statement II: Compound interest on a sum is one-third of its sum for 2 years.
(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 are not sufficient to answer the question.
(C) If the data in both statements I and II together are necessary 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 statement II alone are sufficient to answer the question, while the data in statement I are not sufficient to answer the question.
64. In the given questions, two quantities are given, one as 'Quantity I' and another as 'Quantity II'. You have to determine relationship between two quantities and chose the appropriate option.
The speed of a boat in still water is 42 kmph. The boat covers 90 km along the stream in 1.5 hours.
Quantity I: Time taken by boat to cover 48 km against the stream.
Quantity II: 1 hr 30 min.
(A) Quantity I \geq Quantity II
(B) Quantity I $>$ Quantity II
(C) Quantity I \leq Quantity II
(D) Quantity I $<$ Quantity II
(E) Quantity I = Quantity II or relationship cannot be determined
65. Five years ago, the ratio of age of Rahul and Pranay is 3:4. After seven years the ratio of age Rahul and Pranay becomes 5:6. What is the age of Rahul?
(A) 25 years (B) 36 years
(C) 29 years (D) 23 years
(E) 27 years
66. Find the amount that is compounded at the rate of 7.5% per annum for two years and becomes Rs. 3698.
(A) Rs. 1455 (B) Rs. 3200
(C) Rs. 2430 (D) Rs. 3550
(E) Rs. 4550
67. Area of square is equal to area of rectangle. The length of rectangle is four times the side of the square. Find the ratio of length and breadth of rectangle.
(A) 4 (B) 16
(C) 2 (D) 1
(E) None of these
68. Two equations (I) and (II) are given below. You have to solve both the equations and give answer.
(I) $x^2 - 10x + 21 = 0$ (II) $2y^2 - y - 21 = 0$
(A) $x \leq y$ (B) $x \geq y$
(C) $y > x$
(D) $x = y$ or relationship cannot be establish
(E) $x > y$
69. What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value.)
 $3401.96 \div 63.06 \times 38.04 = ? + 6.98$
(A) 2045 (B) 2120
(C) 2090 (D) 2180
(E) 2150
70. What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value.)
 $22.95 \times 29.98 + 19.06 \times 22.07 = ?$
(A) 1111 (B) 1082
(C) 1108 (D) 1087
(E) 1078

English Language

71. In the question given below, a sentence is given with two blanks, followed by five options, each having two words that may or may not fit in the blanks. From the given options, choose the one

that has the correct pair of words to fit in the given blanks.

Digital computing has limitations in regards to a/an _____ category of calculation called combinatorics, in which the _____ of data is important to the optimal solution.

- (A) direct, direction
(B) important, order
(C) essential, consequence
(D) importance, arrangement
(E) crucial, orderly

72. The following question has two blanks, each blank indicating that something has been omitted. Choose the correct set of words that is fit for the given blanks both grammatically and contextually.
On _____ morning of April 26, 1986, a reactor in a nuclear power plant, in what's now northern Ukraine exploded and _____, triggering what would become history's deadliest nuclear accident.
(A) multiple, will destroy (B) few, is running
(C) the, burned (D) some, will grow
(E) many, blazed

73. Match the statements from column 1 with column 2 and find which of the following pairs of statements given in the options make contextually and grammatically correct sense.

Column 1	Column 2
A. Poetic devices are used	D. while visiting foreign countries.
B. Open Defecation free villages program	E. to beautify an ordinary line.
C. Immigration clearance is required	F. Ministry of Housing and urban development.

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

74. Match the statements from column 1 with column 2 and find which of the following pairs of statements given in the options make contextually and grammatically correct sense.

Column 1	Column 2
A. Air pollution is more prevalent in urban places when	D. by talking confidently about a controversial topic in front of the judges.
B. Seven wonders of the world are	E. rural areas are well maintained.
C. The contestant in the beauty pageant impressed the judges	F. he wondered so much.

- (A) A-E (B) B-F
(C) C-D (D) A-F
(E) B-D

75. Which of the following phrases can replace the phrase in bold so as to make the statement correct? If the statement does not need any correction, mark 'No correction required' as your answer.

Australia is an island **since it's surrounded by** water, but it is also large enough to be considered a continent.

- (A) though it's surrounded with
(B) because it have been surrounded by
(C) as its surrounded by

- (D) No correction required
(E) for it is around with

76. In the question given below, a sentence is given with four words highlighted in bold. One of these four words may either be 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, mark 'All are correct' as your answer.

The **travellers**

(A) now resumed **there**

(B) walk **towards**

(C) the cottage, which they had **checked-in**

(D) earlier.

(A) D

(B) A

(C) B

(D) C

(E) All are correct

77. In the question given below, a sentence is given with four words highlighted in bold. One of these four words may either be 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, mark 'All are correct' as your answer.

The **past** (A) generation's King was tall, strong, and **handsome** (B); he was a much better general than **these** (C) generation's king Warwick, but not so good a **statesman** (D).

(A) A

(B) C

(C) B

(D) D

(E) All are correct

78. In the following options, four sentences are given, revolving around the same or different theme or idea. Decide which of the sentence is **grammatically incorrect** or **not meaningful** and mark the answer accordingly.

(A) He did not gave in to my requests to come and play.

(B) He has worked very hard all year for today's exam.

(C) She is not going to appear for the exam tomorrow.

(D) I do not like to play lawn tennis.

(E) All are incorrect.

79. In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select 'No Error'. Ignore errors of punctuation, if any.

Technology has been the lifeline (A) / by young people whose developmental (B) / tasks are outward-focused and (C) / rely on social interaction with peers. (D)

(A) A

(B) B

(C) C

(D) D

(E) No error

80. In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select 'No error'. Ignore errors of punctuation, if any.

The Earth's landforms (A)/ have evolves (B)/ over time (C)/ through gradual processes (D).

(A) D

(B) A

(C) B

(D) No error

(E) C

Directions (81-89): Read the passage carefully and answer the questions that follow.

Everything about the attack on Miami-based Kaseya was designed to provide the criminals with the maximum return on investment, including the timing - on the eve of a national holiday - which would **muffle** the ability for responders to contain the attack's impact. More significantly, the attack was targeted at a software company which the attackers could use to gain access to the networks of even more victims, a so-called "supply chain" attack. Kaseya provides a remote maintenance tool for managed service providers, and in compromising the on-premise installations of this tool, the attackers were able to encrypt the networks of 50-70 companies. Over the coming days, as these companies navigate the problems posed by the ransomware, they'll be confronted by the efficiency of the organised, criminal business model driving these attacks.

In truth, these attacks are more than just ransomware, which describes a type of malware that attackers can deploy on a victim's computer network to encrypt files. With ransomware, the attackers then extort the victim to pay huge sums of money, often in Bitcoin and sometimes worth millions of pounds, to have their files decrypted. But the criminal system involved has developed a multi-faceted extortion model which involves stealing sensitive files and threatening to release them online if the victims are able to recover their files from unencrypted backups, or simply refuse to pay. If published, these files, which can relate to sensitive business deals or may include customer information, could damage the victim company's reputation, impact their share price, or potentially even lead to a class-action lawsuit, all **potential** impacts stressed by the criminals as part of their extortion scheme.

There is believed to be less than a dozen organised criminal groups driving this industry, each operating their own so-called Ransomware-as-a-Service platforms alongside their own websites for publishing victims' files. Mike McLellan, a threat intelligence expert at Secureworks, told Sky News that his firm was tracking more than 10 groups at the moment. Those running these organised crime groups are rarely involved in the actual hacking themselves. Instead, they utilise an affiliate structure in which hackers can use their software for a percentage of the extortion proceeds. Mr McLellan said that the groups appeared to have an Eastern European and Russian nexus, with affiliates instructed not to target victims within former Soviet countries. An efficient business model has developed among these groups, which effectively outsource different aspects of the extortion scheme, from teams managing software development, customer engagement, and negotiations with victims, to the hackers themselves. Those controlling the organisations even limit the number of targets their affiliates can _____ extort at any one time to ensure that there isn't too much of a workload to handle.

81. How is the attack on Miami-based Kaseya different from normal cyber-attacks?

(A) In that attack, only a particular victim is targeted even if there are potential victims too.

(B) There is no such difference between the attack on Kaseya and normal cyber-attacks.

- (C) Such an attack identifies the possible targets for next big explosion.
 (D) It was a "supply chain" attack in which attacker(s) finds new victims through victims.
 (E) Such attacks target big organisations.
82. What happens in a normal cyber-attack?
 (A) There is a threat to the lives of the victims.
 (B) Attackers encrypt stolen files and demand ransom to decrypt and provide them back to the owners.
 (C) Hackers destroy the sensitive files of owners that they have stolen.
 (D) The criminal group threatens to rob the family members of the owners.
 (E) Usually hackers are found out to be relatives of the victims.
83. Which of the following words can replace the highlighted word 'POTENTIAL' as used in the passage?
 (A) Express (B) Impossible
 (C) Likely (D) Impression
 (E) Reasoning
84. Which of the following is true about Kaseya?
 (A) The company is a Ransomware service platform.
 (B) Kaseya is an investigative agency.
 (C) It is a software company based in Miami.
 (D) Kaseya is the name of an organised criminal
85. When did the attack on Miami-based Kaseya happened?
 (A) The attack on Miami-based Kaseya happened on the weekend.
 (B) It was Christmas holiday when the attack on Miami-based Kaseya happened on.
 (C) It was the most busiest day of the company when the attack happened.
 (D) The attack happened on a week day.
 (E) The attack on Miami-based Kaseya happened on the eve of a national holiday.
86. According to the passage, which of the following words can fill the given blank?
 (A) uninterested (B) deliberate
 (C) energy (D) actively
 (E) caution
87. How does the criminal system that involves multi-faceted extortion model work?
 (A) Attackers keep encrypting sensitive files of the victims.
 (B) Hackers steal sensitive files and threaten to release them online which can harm the owners in many ways.
 (C) Attackers never decrypt the sensitive files even if they are provided the ransom.
 (D) Criminal groups victimise people to torture them mentally, not for ransom.
 (E) The motive is to defame people and organisations.
88. How these organised crime groups work?
 (A) Employees of these groups send viruses to the mobile phones of the victims.
 (B) They hire people to find targets.
 (C) These groups have a close network and perform all the operations on their own.
 (D) They provide Ransomware as a service platform where hackers can use their software to extort victims.
- (E) Such groups particularly target victims within former Soviet countries.
89. Which of the following words can replace the highlighted word 'MUFFLE' as used in the passage?
 (A) Vital (B) Dull
 (C) Weaken (D) Boost
 (E) release
90. In the following question, one part of the sentence may have an error. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select 'No Error'. Ignore errors of punctuation, if any.
 For years, BCG consultants had (A) / heard countless reasons (B) / why they had to be (C) / accessible in all hours. (D)
 (A) D (B) C
 (C) B (D) A
 (E) No error
- Directions (91-95):** Given below is a set of sentences, which when properly sequenced, form a coherent paragraph. Arrange the sentences in the correct sequence and answer the questions that follow.
- A. It is easy to say this, but do you know what great things have come from thinking?
 B. "I will think about it."
 C. Similarly, Galileo invented the pendulum by pondering upon the chandelier swaying to and fro in the cathedral of Pisa.
 D. Sir Isaac Newton was seated in his garden on a summer's evening when he saw an apple fall from a tree.
 E. He began to think, and, in trying to find out why the apple fell, discovered how the earth, sun, moon, and stars are kept in their places.
91. Which of the following is the FOURTH sentence after rearrangement?
 (A) B (B) D
 (C) C (D) E
 (E) A
92. Which of the following is the THIRD sentence after rearrangement?
 (A) A (B) C
 (C) D (D) E
 (E) B
93. Which of the following is the FIRST sentence after rearrangement?
 (A) B (B) D
 (C) E (D) C
 (E) A
94. Which of the following is the SECOND sentence after rearrangement?
 (A) C (B) A
 (C) D (D) B
 (E) E
95. Which of the following is the FIFTH sentence after rearrangement?
 (A) B (B) E
 (C) A (D) C
 (E) D
96. In the following question, a blank is given indicating that something is missing. From the given options, choose the one that provides the correct word to be

filled in the blank, thereby making the sentence grammatically and contextually correct.

_____ the challenges that the airlines company is facing in terms of additional costs incurred, compounded by other problems, the company's capacity has grown by an impressive 59%.

- (A) despite (B) because
(C) considering (D) either
(E) consequently

97. In the question given below, a sentence is given with one blank, followed by five options, each having a word which may or may not fit in the blank. From the given options, choose the one that gives the correct word that fits in the blank.

Ancient Roman soldiers carried satchels made from leather or goat's hide that look almost exactly like the kind of messenger bag you might _____ in a shop today.

- (A) Detecting (B) See
(C) Recognising (D) Remarkable
(E) Marvellous

98. In the question given below, a sentence is given with one blank, followed by five options, each having a word which may or may not fit in the blank. From the given options, choose the one that gives the correct word that fits in the blank.

Ethical vegans don't just avoid eating or using animal products - they also try to _____ all forms of animal exploitation from their lifestyle.

- (A) Eliminating (B) Exclude
(C) Boycotting (D) Suspended
(E) Ignored

99. In the question given below, a sentence is given with one blank, followed by five/four options, each having a word which may or may not fit in the blank. From the given options, choose the one that gives the correct word that fits in the blank.

Little did _____ parents know what they were setting in motion, when they instilled the travel bug in their young son.

- (A) his (B) her
(C) their (D) this
(E) am

100. In the question given below, a sentence is given with one blank, followed by five options, each having a word which may or may not fit in the blank. From the given options, choose the one that gives the correct word that fits in the blank.

He kept me _____ at the bus stop for more than an hour this afternoon.

- (A) Await (B) Wait
(C) Wake (D) Waiting
(E) Awake

Space for rough work