C-MAT ONLINE TEST SEF

QUANTITATIVE TECHNIQUES AND DATA INTERPRETATION

Directions for questions 1 to 10: Select the correct alternative from the given choices

- A cake was cut into 36 equal slices. Ninteen. complete pieces along with half a piece of a piece of a full slice were then eaten. The fraction that the total weight of the slices not eaten forms of the total weight of the cake is

- (A) $\frac{37}{72}^{th}$ (B) $\frac{29}{72}^{th}$ (C) $\frac{35}{72}^{th}$ (D) $\frac{33}{72}^{th}$
- 2. Let PQRS be a parallelogram. If P = (7, 9), Q = (11, a), R = (9, -2) and S = (b, -3), then a + b =(A) 12 (B) 16 (C) 13
- 3. The median of 17 observations is 12. If 9 and 17 are added to this collection of observations, the median of the resulting 19 observations will be
 - (A) 9
- (B) 17
- (C) 12
- (D) Cannot be determined
- C-MAT-4 The time taken by a 400 m long train travelling at 72 kmph and a 600 m long train travelling at 108 kmph to cross each other when travelling in opposite directions is
 - (A) 25 seconds
- (B) 40 seconds
- (C) 20 seconds
- (D) 100 seconds
- Find the number of factors of 33².
 - (A) 7
- (B) 8
- (C) 9
- (D) 15
- A railway engine has a speed of 45 kmph when no compartments are attached to it. Its speed decreases as compartments are attached to it. The decrease in speed is directly proportional to the square root of the number of compartments attached. The speed of the engine is 41 kmph when four compartments are attached to it. If the minimum speed of the engine must be 29 kmph, the maximum number of compartments which can be attached to it is
 - (A) 38
- (B) 49
- (C) 25
- (D) 64
- 7. There are ten marbles numbered 1 to 10. The number of ways in which two marbles can be chosen from them such that the sum of the numbers on them is even is
 - (A) 20
- (B) 16
- (C) 12
- (D) 24
- 8. In a certain season, a cricket team had a success rate of 30% in the first 80 matches it played. It played a total of 140 mathes in that season and had an overall success rate of 40% in that season. How many matches did it lose in the last 60 matches it played?
 - (A) 28
- **(B)** 14
- (C) 38
- (D) 32
- 9. P, Q, R and S are consecutive positive integers in ascending order. They satisfy the equation $S^2 + R^2 - Q^2 - P^2 = 68$. Find P.
 - (A) 6
- (B) 7
- (C) 8
- (D) 9

- After allowing two successive discounts of 10% and x% a loss of 13.6% is incurred. What is the value of x, if the article was marked 20% above the cost?
- (B) 20
- (C) 12

Direction for question 11: The questions below is followed by two statements I and II. Mark your answer

- (A) If one of the statements alone is sufficient to answer the auestion.
- (B) If either statement is sufficient to answer the question
- (C) If the question can be answered only by using both statements together
- (D) If even both the statements together do not help in answering the question
- 11. There are eight positive integers. Find their average.
 - The average of the last seven positive integers is eight more than the first positive integer.
 - The positive integers are all consecutive odd numbers.

Directions for questions 12 to 25: Select the correct alternative from the given choices

- 12. If $x = 1 + p + p^2 + p^3 + \dots q = 1 + y + y^2 + y^3 + \dots q$, then which of the following is true? (Given that -1 < (p, y) < 1
 - (A) $\frac{x}{a} = \frac{y-1}{p-1}$ (B) x + q = xp qy
 - (C) x y = xp yq
- (D) x p = qy + px
- 13. Find the value of $(1 + x^4 + x^6)^{-1}$ $(1 + x^2 + x^{-4})^{-1} + (1 + x^{-6} + x^{-2})^{-1}$. (A) $x^4 + x^6 + x^{10}$ (B) $1/x^6$
- (C) 1/x4
- (D) None of these
- 14. Find xy + x y, given that

$$\sqrt{x+y+16} = \sqrt{x-1} + \sqrt{y+1}.$$

- (A) 63 (B) 65 (C) 67
- (D) 68
- 15. If $y = 3^{\frac{1}{3}} + 9^{\frac{1}{3}} 2$, then find the value of $y^3 + 6y^2 + 3y$. (A) 20 (B) 22
- Rohit says to Saleem, "I am thrice as old as you were when I was as old as you are". The sum of their present ages is 100 years. Find Saleem's present age. (in years)
 - (A) 40
- (B) 20
- (C) 60
- (D) 80
- At what rate of compound interest, a sum of ₹1250 will amount to ₹1458 in two years, interest being compounded annually?
 - (A) 2%
- (B) 3%
- (C) 8%
- (D) 6%



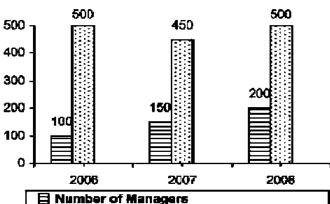
- The population of a country X in the year 2005 was 6 million. From this year onwards, the population decreases by a constant percentage every year over that in the previous year. In 2008, the population was 4.374 million. Find the annual rate of decrease in the population.
 - (A) B%

(B) 10%

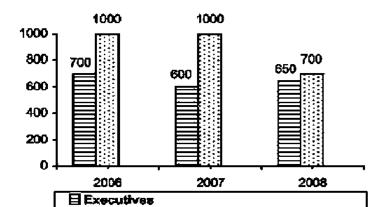
(C) 6%

(D) 12%

- Amar, Bhuvan, Chetan and Dinesh started a business, with respective investments of ₹7000, ₹6000, ₹5000 and ₹4000. Amar left the business after 4 months. Bhuvan left the business after another 2 months. Chetan left the business after another 2 months, Dinesh stayed till the end of the first year. What fraction of the annual profit did Dinesh get?
 - (A) 6/19
- (B) 5/17
- (C) 3/13
- (D) 8/23
- 20. The bar graph provides information about the salaries of executives and managers in an organization across three years (Assume that the managers and the executives are the only employees in the organization).



- ☐ Total salaries of managers (in lakh ₹)



Find the approximate amount increase/ decrease in the average salary per employee during the given period.

☐ Total salaries of executives (in lakh ₹)

- (A) ₹35,800
- (B) ₹25,000
- (C) ₹46,320
- (D) ₹19,400

- 21. The dimensions of a rectangular cardboard are 8 cm x 6 cm. If nine squares each of 2 cm long side are cut from the cardboard, then what is the remaining area of the rectangle?(in sqcm)
 - (A) 36
- (B) 24
- (C) 12
- (D) 6
- 22. A wheel covers 39.6 km by making 10000 revolutions. What is the radius of the wheel?(in cm)
 - (A) 5B
- (B) 70
- (C) 42
- (D) 63
- 23. The remainder obtained when (23232)₄ is divided by (232)₄ is
 - $(A) (32)_5$
- (B) (32)₄
- (C) $(24)_8$
- (D) (32)₁₀
- 24. Two fighter planes A and B are flying at different aititudes. The angle of depression of plane B as

- observed from A is 30°. By what vertical distance (in m) must the plane B go down so that the angle changes to 60°? (Given the horizontal distance between the planes is 100m)

- (C) 100(√3+1)
- (D) $100 \frac{(\sqrt{3}+1)}{2}$
- 25. If A and B are two events such that $P(A \cup B) = 0.55$ and $P(A \cap B) = 0.15$, then find P(A) - P(B).
 - (A) 0.3 (C) 0.2
- (B) 1.2 (D) 0.15

LOGICAL REASONING

Directions for questions 26 to 50: Select the correct alternative from the given choices.

26. Find the next number in the series. 218, 4098, 17578, 46658, ?

(A) $26^3 + 2$ (B) $46^3 + 2$ (C) $56^3 + 2$ (D) $36^3 + 2$

27. Statements:

No car is a bike.

Some vehicles are cars.

Conclusion:

- No vehicle is a bike. I.
- Some cars are vehicles. П.

Which of the two conclusions follow from the given statements?

- (A) Only I
- (B) Only II
- (C) Both I and II
- (D) Either [or]]
- There is a seven-member inspection committee consisting A, B, C, D, E, F, and G. Two inspecting teams have to be formed for a surprise visit to the branches at Mumbai and Chennal, D and F must be on the same team, E and C cannot be in the same team. Each team should have at least three members, if A and C are on the same team. then that team should have four members. If E is selected for Mumbal, then the team for Mumbal must have four members, else only three members. G is selected for the Chennal team. Which of the following is definitely true?
 - (A) E is selected for the Mumbal team.
 - (B) F is selected for the Chennal team.
 - (C) G and D are in different teams.
 - (D) E and B are in same team.



- 29. A * B means A is added to B.
 - A % B means B is subtracted from A.
 - A # B means A is multiplied by B.
 - A \$ B means A is divided by B.

Suman's total salary consists of three parts-Basic pay, TA and DA. DA is 50% of the Basic pay while TA is ₹1500. If 'P' is the Basic pay of Suman, then which of the following represents Suman's total salary?

- (A) P % {(50 # P) \$ 100} * 1500
- (B) (3 # P) * {(150 # P) \$100} *1500
- (C) (3 #P) % {(150 # P) \$ 100} *1500
- (D) P * {(50 # P) \$ 100} % 1500
- If today is Wednesday, then what is the day after 132 days from today?
 - (A) Tuesday
- (B) Monday
- (C) Wednesday
- (D) Thursday
- Five persons P, Q, R, S, and T went to a party one. evening. Each of them was wearing shirts of different colour among red, blue, green, black, and white. R is wearing a red shirt. P is wearing neither a blue shirt nor a black shirt. T is wearing a white shirt. Which of the following is true?
 - (A) Q is wearing a blue shirt.
 - (B) S is wearing a black shirt.
 - (C) P is wearing a green shirt.
 - (D) None of these.
- 32. Students of a class are ranked according to their academic performance. Did Ajay get a better rank than Vijay?
 - One of the students who was ranked three less than Vijay was ranked two more than Ajay.
 - No one else was ranked between Ajay and Vijay.

Mark your answer as

- (A) If information in I alone is sufficient to enswer the question.
- (B) If information in II alone is sufficient to answer the question.
- (C) If information in I and II together are sufficient to answer the question.
- (D) If information in either I or II alone is sufficient to answer the question.
- 33. The six faces of a cube represent different planets of the solar system.
 - 'M' means 'Mercury'
 - 'E' means 'Earth'
 - 'S' means 'Saturm'
 - 'J' means 'Jupiter'
 - 'U' means 'Uranus'
 - 'N' means 'Neptune'

Find the planet that should be in the place of the question mark.









- (A) Jupiter
- (C) Uranus
- (B) Neptune (D) Saturn

- 35. Consider the following numbers which are in base 2.
 - 11101001101.01 10100,
 - 10110101001.0110100
 - 11101000101.011001
 - (A) All three are alike.

 - (B) Only 1st and 2nd are alike.
 (C) Only 1st and 3st are alike.
 - (D) All are different.
- 36. Kapii went to market to buy some goods. He saw a shop where lottery tickets were being sold. As the cash price for the winner was huge, he wanted to try his luck. So, he bought a lottery ticket and went back home. He showed the ticket to his wife and two sons. One week later the winner of the lottery was announced. But Kapil couldn't find the ticket. After searching it everywhere he gave up and asked his wife and sons about the ticket number. Their responses are given in the answer choices.
 - Which of them is the most probable number of the lottery ticket?
 - (A) DT7426CJ67
- (B) DT7426CJ63
- (C) DT7826BJ63
- (D) DT3425CJ63
- 37. P % Q means P is neither greater than nor less than Q. P#Q means P is not less than Q.
 - P @ Q means P is not greater than Q.
 - P * Q means P is neither less than nor equal to Q.
 - P & Q means P is less than Q.

Which of the following conclusions can be drawn from the given statements?

Statements: A # B, C * A, D @ C

Conclusions:

- I. D&A
- Д. С*В
- III. A%D
- (A) Only II and III
- (B) Only I and III
- (C) Only II
- (D) None of these
- In a classroom there are three benches X, Y and Z. There are seven students in the class. At least two students are sitting on each bench. At least one girl is sitting on each bench. A is sitting on bench X and her brother F is sitting on bench Z. E is a boy and he is not sitting with another boy. B is sitting with only G. C is not sitting with her friend F. There is exactly one bench on which nobody is sitting. How many girls are there in the class?
 - (A) 3
- (B) 4
- (C) 5
- (D) 3 or 4
- 39. Between 4 0'clock and 5 0'clock when will the two hands of the clock be equidistant from 7?
 - (A) $4:2\frac{1}{2}$
- (B) $4:21\frac{7}{44}$
- (C) 4:21 9 11
- 40. Kishore Mehta is the son of Sundar Mehta. Sundar Mehta has only one brother whose name is Radhemohan. Pradyuman is the brother of Shreshta. who is living in Delhi. Abhimanyu is the son of Radhemohan and brother of Pradyuman. Kishore Mehta's only sister is Asha. Abhimanyu's son is



- 41. Four persons are working in different companies among Infosys, Wipro, VMware and Genpact. The person working in Infosys is living in Pune. The one who is living in Hyderabad owns a grey coloured house. The person who is working in VMware owns a blue coloured house which is not in Gurgaon. The person who is living in Gurgaon is the richest and he is not working in Wipro. The person who owns the grey coloured house is working in which company?
 - (A) Infosys

(B) Wipro

(C) Genpact

- (D) VMware
- 42. Three watches are of different makes among Titan, Timex and Casio. After every hour they beep once. They all beeped at 12 mid-night. After this the Casio moves faster by three minutes per hour than the Titan and the Timex moves slower by three minutes per hour than. The Titan is running properly. At what time in the Titan do all of them beep together again? (A) 6 pm (B) 8 pm (C) 10 pm (D) 9 pm
- 43. A word arrangement machine re-arranges a given set of words and gives an output in each step as shown below. Input: people normal the act work how smart Step I: act the smart how work people normal Step II: smart act people normal how work the Step III: the people work act how normal smart What is the step II in the following input? thing ground need only all storm dew Input:
 - (A) dew thing all only storm ground need
 - (B) only need dew all thing ground storm
 - (C) only dew need ground all thing storm
 - (D) dew only thing ground storm all need
- 44. Each of the four persons P, Q, R, and S owns a different car among Figo, Swift, Micra, and Fabia. They were bought in different years, 2009, 2008, 2006, and 2004 not necessarily in that order. P's car is the only one parked between the cars of Q and S. Micra is two years older than Figo. R's car is two years newer than S's car. Q's car is not Micra and it is the only car parked between the cars which were brought in 2008 and 2009, one of which is Fabia. Which of the following is not false?
 - (A) Q owns a Swift and it was bought in 2006.
 - (B) P owns a Micra and it was bought in 2009.
 - (C) Rowns a Figo and it was bought in 2008.
 - (D) S owns a Fabia and it was bought in 2006.
- 45. A Disciplinary Committee has to be formed comprising two teachers and two students. P. Q. R. S and T are the students and A, B, C and D are the teachers who are willing to become members of the committee. The Committee should comprise of one student of class IX and one student of class XI. P and Q are from class IX while others are from XI. A is selected only when P is selected and cannot be selected with R. S and B cannot be selected together. T and D cannot be selected together.

In how many ways can the Disciplinary Committee be formed?

(A) 14

(B) 18

- (C) 10
- (D) 12

46. The question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement:

Should our weapons be displayed during Republic day celebrations?

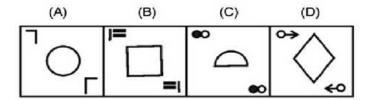
Arguments:

- Yes, it instills a sense of confidence among the citizens.
- No, it is a waste of money.

Mark your answer as

- (A) if only argument I is strong.
- (B) if only argument II is strong.
- (C) if neither I nor II is strong.
- (D) if both I and II are strong.
- 47. If 5th March of 2007 is a Monday then, what is the day of the week on 5th March of 2006?
 - (A) Saturday
- (B) Friday
- (C) Thursday
- (D) Sunday
- 48. Raja starts from his house travels 5km towards North and then he turns to his right and travels 8 km. He then travels 3 km to his left followed by 7 km to his right to reach his work place. How for is his house from his work place?

- (A) 16 km (B) 17 km (C) 18 km (D) 19 km
- 49. Among the four given figures, three figures follow the same pattern and one figure is different from these four. Mark this figure (which is different from the other four) as your answer.



50. The question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a 'strong' argument.

Statement:

Should the Indian police be equipped with more sophisticated weapons?

Arguments:

- No, they do not know how to use them.
- II. Yes, the recent incidents in USA have proved that terrorists have very sophisticated weapons

Mark your answer as

- (A) if only argument I is strong.
- (B) if only argument II is strong.
- (C) if neither I nor II is strong.
- (D) if both I and II are strong.



LANGUAGE COMPREHENSION

Directions for question 51: The question gives a word followed by four choices. From the choices, select the most suitable synonym (word which means the same) for the main word and mark its corresponding letter as the answer.

51. CAUSTIC

(A) incisive

(B) polgnant

(C) ruptured

(D) punitive

Directions for question 52: In the following question a capitalized pair of words is given followed by four

lettered pairs of words. Three of the lettered pairs exhibit the same relation between the words as the capitalized pair of words. Identify the lettered pair which does NOT exhibit the same relationship as the capitalized pair and mark its corresponding letter as your answer.

52. PENSIVE : CHEERFUL

(A) Notched: Straight(B) Vacuous: Astute(C) Eccentric: Strange

(D) Conniving : Candid

We, who have been fighting for our rights and have finally achieved them, are apt to forget that a right by itself is incomplete and, in fact, cannot last long if the obligations which accompany that right are forgotten by the nation or by a greater part of it. Whether as individuals or citizens or groups, we still think too much in terms of rights and privileges and too little in terms of obligations. That weakens a nation and we become then merely critics and complain without anything constructive to contribute. That applies to the nation as a whole but much more so to the press. That is to say, the press fought for its own freedom from governmental interference in the old days and, gradually, step-by-step it has achieved wider freedom. I think I can say that whatever our other fallings might be – by 'our' I mean the Government's – at the present moment the amount of freedom of expression that is allowed to, or included in by, the press can hardly be exceeded in any country in the world. Much that appears because of that freedom seems to me exceedingly dangerous. To my mind, the freedom of the press is not just a slogan from the larger point of view but it is an essential attribute of the democratic process.

Directions for question 53: Read the passage carefully and choose the best answer for the question that follow it.

- 53. Rights cannot last long
 - (A) without corresponding obligations.
 - (B) without support from newspaper.
 - (C) if they are incomplete.
 - (D) if the people are illiterate.

Directions for question 54: Read the passage carefully and choose the best answer for the question that follow it.

have no doubt that even if the Government dislikes the liberties taken by the press and considers them dangerous, it is wrong to interfere with the freedom of the press. By imposing restriction you do not change anything; you merely suppress the public manifestation of certain things, thereby causing the idea and thought underlying them to spread further. Therefore, I would rather have a completely free press with all the dangers involved in the wrong use of that freedom than a suppressed or regulated press.

- 54. The author believes that
 - (A) government likes to give liberty to the press.
 - (B) it is wrong to interfere with the freedom of the press.
 - (C) ideas and thoughts should be controlled.
 - (D) press should be suppressed.

Directions for question 55: In the question, a sentence is given with an idiom (underlined). Four possible meanings of the idiom are also given. Identify the correct meaning and mark the corresponding letter of the correct choice as answer.

- The head always has to have a <u>whilpping boy</u> for his mistakes.
 - (A) a smart boy
 - (B) a faithful boy
 - (C) someone bold enough to stand up for himself
 - (D) someone punished for the faults of others

Directions for question 56: Select the correct alternative from the given choices.

With economic growth in the most populous countries, India and China, the earth's resources will be depleted

very fast. People in developing countries should not apethe lifestyle of this western comterparts

- **56.** Which of the following, if true, would most strengthen the conclusion above?
 - (A) China and India together consume one third of all the resources consumed in the world.
 - (B) China and India must, in all fairness, become as developed as other countries in the world.
 - (C) The throw away culture of the West does not help in conserving valuable resources of the earth.
 - (D) Other countries have agreed to hold their resource consumption at the present levels.



Directions for question 57: In the following question, a paragraph with a blank is given. From the four choices given below, select the sentence which can go into the blank to make the paragraph logically coherent.

- 57. A creative child's hidden talent can be identified from a very early age itself. These children believe that they are pursuing what they perceive to be really worthwhile. If there is a teacher who can play the positive role of a facilitator, to kindle the creativity at an early age wonderful results can be achieved. [______]
 - (A) Creative children cannot mingle freely with other children.
 - (B) Creative children need special schools to nurture their talents.
 - (C) Creative children can master their needs with minimum level of guidance.
 - (D) The school environment provides positive stimulus in exciting the creativity among these children

Directions for question 58: In the question there are five sentences or parts of sentences that form a paragraph. Identify the sentence(s) or part(s) of sentence(s) that is/are correct in terms of grammar and usage. Then, choose the most appropriate option.

- 58. a. Some animals that were well known to the American colonists had nearly died out with
 - the destruction of the eastern forests. Others have adjusted to civilization.
 - The ivory-billed woodpecker, whose specialized diet of tree boring insects would only
 - be supplied by vast expanses of virgin timber, is believed to be extinct now.
 - (A) a and b
- (B) b and d
- (C) a, b and d
- (D) a and c

Directions for question 59: Read the passage carefully and choose the best answer for the question that follow it.

Golf, which till recently was considered an old man's game, is now the in thing. But I must warn fledgling golfers that the finer points of the game will not be found in any golf magazine or manual. For their benefit, I would like to list them.

Turn out is extremely important. It matters little if your swing resembles a lathi charge. The first impression you make creates a psychological impact on your opponent. A designer shirt, smart trousers, the latest in hats, if accompanied by a pricey set of clubs will intimidate an amateur. Here is a champ, he will think and start to feel self-conscious.

- 59. When the author says that 'turn out' is extremely important, he means that
 - (A) you can't play golf without wearing expensive clothes.
 - (B) whom you play with is important.
 - (C) a good appearance can psychologically unnerve the opponent.
 - (D) mental determination is needed.

Directions for question 60 and 61: Read the passage carefully and choose the best answer for the question that follow it.

Always praise a good shot made by your opponent even if you may want to strangle him. This will make him over-confident. They say that golf is a game played in the mind; your opponent's mind. Unsettle him and he is yours. Do not waste time counting the number of strokes you have taken to reach the green. Any opponent worth his Big Berth will be watching your progress with an eagle eye to see that you don't take undue advantage on the course. He will gleefully announce that you have managed to reach the green in 10 strokes on a par four hole. Golf is a game played by gentlemen who unfortunately repose very little trust in each other.

When playing with a stranger always increase your handicap by two strokes because he is bound to have already done so. This makes things equal, which they were in the first place if nobody had added strokes to their original handicap. There are certain conventions in golf that non-golfers can never understand.

- **60.** Which of the following is true in relation to golf?
 - (A) Smart looks cannot influence a budding opponent.
 - (B) Players do not trust one another.
 - (C) You should never praise your opponent.
 - (D) Your foot slips at crucial moments.
- 61. The tone of the author in the above passage is
 - (A) humorous.(C) caustic.
- (B) serious.
- (D) satirical.

Directions for question 62: Fill in the blanks in the given sentence so as to make sense. Select the correct word from the answer choices and mark its number as the answer.

- **62.** I deeply resented the _____ advice that he offered.
 - (A) unasked
- (B) unfounded
- (C) unsolicited
- (D) unforeseen

Directions for question 63: Read the passage given below and answer the question that follows it.

I cannot resist a literary analogy. The opening sentence of Charles Dickens's novel David Copperfield reads: "Whether I shall turn out to be the hero of my own life, or whether that station will be held by anybody else, these pages must show." The opening sentence of J.D. Salinger's novel. The Catcher in the Rye reads: "If you really want to hear about it,



the first thing you'll probably want to know is where I was born, and what my lousy childhood was like, and how my parents were occupied and all before they had me, and all that David Copperfield kind of crap, but I don't feet like going into it.' In the pages that follow, to a close approximation, Dickens and Salinger use the same few thousand words. There are words that Salinger uses but not Dickens, like elevator or crap. There are words that Dickens uses but not Salinger, like caul and pettish. But they will be few compared with the words they share. Probably there is at least 90 per cent lexical concordance between the two books. Yet they are very different books. The difference lies not in the use of a different set of words, but in the same set of words used in a different pattern and order. Likewise, the source of the difference between a chimpanzee and a human being lies not in the different genes, but in the same set of 30,000 genes used in a different order and pattern.

I say this with confidence for one main reason. The most stunning surprise to greet scientists when they first lifted the lid on animal genomes was the discovery of the same sets of genes in wildly different animals. In the early 1980s, fly geneticists were thrilled to discover a small group of genes they called the hox genes that seemed to set out the body plan of the fly during its early development – roughly telling it where to put the head, the legs, the wings and so on. But they were completely unprepared for what came next. Their mouse-studying colleagues found recognizably the same hox genes, in the same order, doing the same job. The same gene tells a mouse embryo where (but not how) to grow ribs as tells a fly embryo where to grow wings: you can even swap them between species. Nothing had prepared biologists for this shock. It meant, in effect, that the basic body plan of all animals had been worked out in the genome of a long-extinct ancestor that lived more than 600 million years before and preserved ever since in its descendants (and that includes you).

- 63. It can be inferred from the passage that Dickens and Salinger
 - (A) make use of a large number of same words in different contexts to different effect.
 - (B) make use of a small number of similar words in the same context.
 - (C) make use of a large number of same words with different meaning.
 - (D) narrate similar experiences in the first few pages of their book by using different vocabulary.

Directions for question 64: In the following question, the sentences of a paragraph are jumbled up and given. Each sentence is labelled a, b, c or d. Find out the order in which the sentences have to be arranged to form a logically coherent paragraph. Mark the letter corresponding with of that choice as your answer.

- **64.** a. A dream can be the most beautiful or the most dreadful way of waking up to a new day.
 - Dreams have always fascinated humankind.
 - In ancient times, Egyptians thought of dreams as direct messages from God.
 - They enrapture your emotions and take them on a roller coaster of thoughts.
 - (A) bdac

(B) bcad

(C) cabd

(D) abdc

Directions for question 65: In the following question, the word at the top is used in four different ways, labelled A to D. Choose the option in which the usage of the word is INCORRECT or INAPPROPRIATE.

- 65. TWIST
 - (A) She gave the lid another twist and it came off.
 - (B) By a curious twist of fate we met again only a week or so later.
 - (C) The story has taken another twist.
 - (D) She's gone completely around the twist.

Directions for question 66: An idiom and four possible meanings are given. Identify the meaning from the choices and mark the lettered choice as the answer.

- 66. A sharp tongue
 - (A) very greedy
 - (B) bad tempered and sarcastic
 - (C) loquacious
 - (D) mendacious

Directions for question 67: The question has a sentence with two blanks followed by four pairs of words as choices. From among the choices, select the pair of words that can best complete the given sentence.

- 67. The country has no need to test its nuclear arsenal in the absence of an external _____ which is precisely why we have a voluntary ____ on testing.
 - (A) provocation . . . regression
 - (B) collaboration . . . relapse
 - (C) wherewithal . . . setback
 - (D) aggression . . . moratorium

Directions for question 68: The following question presents a sentence, part or all of which is underlined. Beneath the sentence, you will find four ways of phrasing the underlined part. The first answer choice repeats the original; the other four are different. If you think the original phrasing is best, choose the first answer, otherwise choose one of the others.

- 68. As a dramatist, Ben Jonson's plays were ranked second only to Shakespeare with whom he engaged in brilliant battles of wit at London's mermaid tavern.
 - (A) As a dramatist, Ben Jonson's plays were ranked second only to
 - (B) As a dramatist, the plays of Ben Jonson were ranked second to
 - (C) The plays of Ben Jonson were ranked second only to
 - (D) As a dramatist, Ben Jonson was ranked second only to



Directions for questions 69 and 70: Read the passage carefully and choose the best answer for the questions that follow it.

Japan has long been phasing out the hassle of coins and bills with microchip-laden "smart cards", that let people make electronic payments for everything from lunch to the daily commute. But even smart cards could be on their way out, their plastic presence overtaken by virtual-wallet technology now available in the everyday cellphone.

Other nations, led by South Korea, already have so-called mobile commerce payment schemes in place that let people punch keys on their cell phones so that the devices trigger transactions. But a series of phones going on sale this summer in Japan, for use on NTT DoCoMo's wireless network, are the world's first with an embedded computer chip that you can fill up with electronic cash.

First you find a machine that is used to stock smart cards with cash. They can be found in some convenience stores and offices in Japan. You place the phone in a special spot on the machine and slip bills into it. The phones have a 50,000-yen (about '20,250) limit. Now you can spend.

In order to pay, you simply wave your cellphone within a few centimeters of a special display found in stores, restaurants and vending machines. A fairy-like tinkling sound means your purchase is being deducted from the embedded chip using radio-frequency ID technology. It is instantaneous. Unlike infrared or other mobile payment schemes that require clicks on the handset, you do not even need to open your clamshell-shaped phone, the style of choice, here.

- 69. The virtual wallet in cell phone in Japan that can be used to make payments depend on
 - (A) satellites.
- (B) wireless network.
- (C) infra red rays.
- (D) internet.
- 70. In order to pay with the cell phone you
 - (A) make a call.
 - (B) swipe a card.
 - (C) wave your phone in front of a special display.
 - (D) punch your special identity number on the phone.

Directions for question 71: In the question, there are five sentences. The sentence labelled a is in its correct place. The four that follow it are labelled b, c, d and e, and need to be arranged in the logical order to form a coherent paragraph. From the given options, choose the most appropriate option.

- a. There seems to be no end to the spate of spinechilling incidents of mob violence.
 - All this is in the name of democratic dissent, getting quick justice and a perceptible pessimism about bringing the offenders to book by the authorities.
 - However, incidents of mob violence are not always in pursuit of instant justice but rather opportunities to settle scores between individuals and groups.
 - d. The alarming regularity with which such incidents are taking place leaves no doubt in the minds of people that we are on the verge of evil war.
 - e. One school of thought believes that it is the system of governance which is accountable for such reactions which fuel public anger when their valid grievances are not addressed.
 - (A) ecbd
- (B) dbec
- (C) dbce
- (D) ebcd

Directions for question 72: In the following question, a paragraph with a blank is given. From the four choices given below, select the sentence which can go into the blank to make the paragraph logically coherent.

72. The Indian government's attempt to tap the clout and wealth of the hugely successful diaspora to boost the domestic economy and serve the national interest in the international arena is laudable. But it has to give a value proposition to the NRI community, lest it is more than happy in the cosy comforts that the west has to offer. The diaspora's attitude towards India is still patronising but it may not simply run to help India in its hour of need. It would want counter guarantees. [_____]

- (A) Risk evaluation precedes patriotism.
- (B) China, due to its trade-friendly policies, has been able to get its diaspora to invest heavily white we are still lagging behind.
- (C) What should concern us is the regular exedus of brilliant students from the IITs, IIMs and medical colleges who see greener pastures overseas.
- (D) It is shameful that for an Indian to be recognised, he has to first leave the country.

Directions for questions 73 to 75: Select the correct alternative from the given choices.

73. Census 2011 reveals a greater increase in the percentage of people above 80 years of age than did census 2001.

Which of the following could be a possible cause for the above situation?

- (A) There is considerable improvement in the availability of health care solutions both in terms of affordability and accessibility in the past five decades.
- (B) The number of gyms has grown by leaps and bounds over the past five decades.
- (C) The government has allowed direct foreign investment in health insurance.
- (D) The younger generation is taking good care of its elders.
- 74. Census 2011 reveals a great increase in the percentage of people above 80 years of age as compared to that of 2001 census.

Which of the following is a **possible effect** of the above situation?

- (A) The number of people below the age of 25 may reduce.
- (B) The demand for old age homes may increase.
- (C) The number of natural deaths per day may increase.
- (D) The per capita income may come down as compared to the situation if there is no increase in the percentage of old population.

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- 75. A minimum score of 60% in graduation has been set as one of the criteria for recruitment to bank jobs, revising the earlier criteria of 50%.
 - Which of the following is a possible fallout of the above situation?
 - (a) Banks will not be able to find required number of candidates to fill the posts
 - (b) There may be large scale recruitment in the banks in near future
 - (c) People looking for employment opportunities do not choose the banking sector
 - (d) Banks may lose those candidates who scored less than 60% in graduation but have better aptitude to perform well in bank jobs than those who scored more than 60%

GENERAL AWARENESS

- 76. 10th anniversary of earthquake which triggered a series of devastating tsunamis along the coasts of most landmasses bordering the Indian Ocean, killing more 230,000 people was observed on 26 December 2014. Where was the epicentre of this earthquake in 2004?
 - (A) Chennai, India (B) Colombo, Srilanka (C) Port Blair, Andaman and Nicobar Islands
 - (D) Sumatra, Indonesia
- 77. Who has been voted as the number one footballer in the world recently, with 74 per cent of 73 judges drawn from 28 countries voted in favour of this player?
 - (A) Cristiano Ronaldo (B) Lionel Messi (C) James Rodríguez (D) Neymar da Silva
- 78. Name the Union minister of tourism and culture who on 26 December 2014 launched e-ticketing facility for the Taj Mahal and Humayun's tomb on a pilot basis?
 - (A) Jagat Prakash Nadda (B) Mahesh Sharma (C) Sarbananda Sonowal (D) Prakash Javedkar
- 79. President Pranab Mukherjee on 26 December 2014 has signed ordinances moved by Union government on raising foreign direct investment (FDI) cap to 49 per cent in insurance sector and facilitating e-auction of coal blocks. According to Article
- 123 of Constitution, every ordinance must be laid and approved by both houses of the parliament within __ weeks from the next reassembling?
 - (A) 2 weeks (B) 4 weeks (C) 5 weeks (D) 6 weeks
- 80. Former Prime Minister Atal Bihari Vajpayee and late educationist Madan Mohan Malviya (posthumously) have been chosen for Bharat Ratna, country's highest civilian award recently. Bharat Ratna was instituted in which year?
 - (A) 1948 (B) 1950 (C) 1954 (D) 1951
- 81. Mahendra Singh Dhoni on 27 December 2014 broke whose record for most number of stumpings in International cricket?

 (A) Adam Gilchrist (B) Kumar Sangakkara (C) Mark Boucher (D) Romesh Kaluwitharana
- 82. Raghubar Das on 28 December 2014 sworn-in as the new Chief Minister of which state?
 - (A) Jharkhand (B) Jammu and Kashmir (C) Haryana (D) Mizoram
- 83. BCCI on 27 December 2014 banned which India spinner from bowling in competitive matches due to suspect action? (A) Ravichandran Ashwin (B) Ravindra Jadeja (C) Axar Patel (D) Pragyan Ojha
- 84. An AirAsia flight QZ8501 of which country went missing on 28 December 2014, with 162 people aboard, en route to Singapore from Indonesia?
 - (A) Malaysia (B) Singapore (C) Indonesia (D) India
- 85. Who was declared 'All India Football Federation Player of the Year' on 27 December 2014?
 - (A) Subrata Pal (B) Sunil Chhetri (C) Sandeep Nandi (D) Sandesh Jhingan
- 86. Name the Director of the hindi film 'PK' starring Aamir Khan and Anushka Sharma, featuring Aamir Khanha as an alien, which was recently in news for controversy?
 - (A) Rajkumar Hirani (B) Reema Kagti (C) Vijay Krishna Acharya (D) Ashutosh Gowariker
- 87. Recently, sixteen states have ratified a constitutional amendment bill which seeks to scrap the collegium system of judges appointing judges, bringing the government a step closer to put in place a new mechanism of appointments in the higher judiciary. Any Constitutional amendment bill requires ratification by at least__percent of the state legislatures?
 - (A) 25% (B) 75% (C) 50% (D) 90%
- 88. India Post recently tied up with which online seller to jointly work on bringing thousands of weavers and artisans from Varanasi through its website?
 - (A) Flipkart (B) Amazon (C) Indiamart (D) Snapdeal
- 89. NATO formally ended its war in Afghanistan on 28 December 2014, after how many years of conflict that have left the country in the grip of worsening insurgent violence?
 - (A) 10 years (B) 13 years (C) 5 years (D) 15 years
- 90. Which national party celebrated its 130th Foundation Day on 28 December 2014?
 - (A) BJP (B) CPI (M) (C) NCP (D) Congress
- 91. Raghubar Das will be sworn in as the __th chief minister of Jharkhand on 28 December 2014?

 (A) 10th (B) 6th (D) 7th (D) 5th
- 92. Russia and how many ex-Soviet nations have recently finalized the formation of a new economic alliance called Eurasian Economic Union (EEU)?
 - (A) Six (B) Ten (C) four (D) eight

- 93. Which Indian city will host the prestigious World Information Technology Congress (WITC) in 2018 as announced recently?
 - (A) Kochi (B) Hyderabad (C) Bengaluru (D) Gandhinagar
- 94. Indian army on 26 December 2014 started 'Operation All Out' against the Bodo militants in which state?
 - (A) Assam (B) Chattisgarh (C) West Bengal (D) Nagaland
- 95. Satya Nadella who met Prime Minister Narendra Modi on 26 December 2014, to extend support to Modi's Digital India initiative, is the CEO of which technology giant?
 - (A) Twitter (B) Facebook (C) Microsoft (D) Apple
- 96. Which Sri Lankan cricketer recently become only the fifth cricketer to make 12,000 runs in Test cricket?
 - (A) Kumar Sangakkara (B) Mahela Jayawardene (C) Tillakaratne Dilshan (D) Angelo Mathews
- 97. Footballer Steven Gerrard on 2 January 2015 has announced his decision to leave which football club that has been his home for last many years?
 - (A) Manchester City (B) Chelsea (C) Liverpool (D) Sunderland
- 98. Union Government has recently extended the Armed Forces (Special Powers) Act, 1958 for another one year in which state and has declared the entire state as a 'Disturbed Area'?
 - (A) Mizoram (B) Assam (C) Chattisgarh (D) Arunchal Pradesh
- 99. Post office savings bank accounts can now be operated through ATMs following a recent gazette notification amending which Post Office rules?
 - (A) Post Office Savings Bank General Rules, 1981

(B) Indian Post Office Rules, 1933

(C) Indian Post Office Act, 1898

- (D) Post Office Guide Part-I
- 100. Sports Ministry on 2 January 2015 cleared the National Boxing Federations new name called?
 - (A) Indian Boxing Association (B) Board of Control for Boxing in India
 - (C) Association for National Boxing (D) Boxing India