Q 1. In triangle ABC, the internal angle bisector of $\angle A$ meets BC at point D. If AB = 8 cm, AD = 6 cm and $\angle BAC = 120°$, then what is the length of AC?

a) 24 cm

b) 12 cm

c) $6\sqrt{3}$ cm

d) None of these

Q 2. Ashish, Bimal and Chatur are three friends who come to visit an amusement park. Each of the three is accompanied by his father and his grandfather to the park. In how many ways can these nine people stand in the queue at the entry gate if no father wants to stand ahead of his son in the queue?

a) $^9C_3\,^6C_3$

b) $^9C_3\,^6P_3$

c) $^9P_3\,^6C_3$

d) None of these

Q 3. If N = 1! − 2! + 3! − 4! +…..+ 47! − 48! + 49!, then what is the unit digit of N^N?

a) 0

b) 9

c) 7

d) 1

Q 4. P and Q are two opposite ends of a straight running track. Ria and Tia start running towards each other simultaneously from P and Q respectively. As soon as any of them reaches an end, she turns back and starts running towards the other end. Their first meeting happens at a point 210 m away from P and the second meeting happens at a point 150 m away from Q. If the speeds (in m/s) of Ria and Tia are x and y respectively, such that 2x > y > x, then what is the distance between P and Q?

a) 420 m

b) 480 m

c) 540 m

d) Cannot be determined

Q 5. Consider the following two curves in the x-y plane:

$y = x^4 + 2x^3 + 4x - 8$

$y = 2x^3 + 2x^2 + 4x$

Which of following statements is true for $0 \leq x \leq 5$?

a) The two curves intersect once.

b) The two curves intersect twice.

c) The two curves do not intersect.

d) The two curves intersect four times.

Directions for questions 6 to 8: Answer the questions on the basis of the information given below.

Six teams, from six different states, participated in a Hockey tournament. Each match was played in the home state of one of the two participating teams. The team which belongs to the state in which a match is played is called the Home Team and the other team is called the Visiting Team.

The table given below shows the number of matches won by each team against each of the rest of the five teams in its home state. E.g. 12 matches were played between Atlanta Hawks and Boston Celtics in the home state of Atlanta Hawks, of which Atlanta Hawks won 8 matches and Boston Celtics won the rest 4 matches. No match ended in a draw in the tournament.

Home Team \ Visiting Team	Atlanta Hawks	Boston Celtics	Chicago Bulls	Denver Nuggets	Indiana Pacers	LA Lakers
Atlanta Hawks	–	8/12	7/9	5/9	4/7	2/10
Boston Celtics	7/10	–	5/8	2/5	6/7	4/8
Chicago Bulls	6/7	9/11	–	8/9	4/5	5/6
Denver Nuggets	3/6	5/12	4/8	–	7/9	1/10
Indiana Pacers	5/6	6/9	3/7	7/10	–	7/12
LA Lakers	9/10	7/7	8/11	5/6	6/9	–

The points were awarded after a match as per the rules given below.

(i) No point was awarded to a team for losing a match in its home state.
(ii) One point was awarded to a team for losing a match in a state other than its home state.
(iii) Two points were awarded to a team for winning a match in its home state.
(iv) Three points were awarded to a team for winning a match in a state other than its home state.

Q 6. If the team which scored the maximum number of points among the six teams was declared the winner of the tournament, then which team finished as first runner up in the tournament?

a) LA Lakers

b) Chicago Bulls

c) Boston Celtics

d) Indiana Pacers

Directions for questions 6 to 8: Answer the questions on the basis of the information given below.

Six teams, from six different states, participated in a Hockey tournament. Each match was played in the home state of one of the two participating teams. The team which belongs to the state in which a match is played is called the Home Team and the other team is called the Visiting Team.

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Home Team \ Visiting Team	Atlanta Hawks	Boston Celtics	Chicago Bulls	Denver Nuggets	Indiana Pacers	LA Lakers
Atlanta Hawks	–	8/12	7/9	5/9	4/7	2/10
Boston Celtics	7/10	–	5/8	2/5	6/7	4/8
Chicago Bulls	6/7	9/11	–	8/9	4/5	5/6
Denver Nuggets	3/6	5/12	4/8	–	7/9	1/10
Indiana Pacers	5/6	6/9	3/7	7/10	–	7/12
LA Lakers	9/10	7/7	8/11	5/6	6/9	–

The points were awarded after a match as per the rules given below.

(i) No point was awarded to a team for losing a match in its home state.
(ii) One point was awarded to a team for losing a match in a state other than its home state.
(iii) Two points were awarded to a team for winning a match in its home state.
(iv) Three points were awarded to a team for winning a match in a state other than its home state.

Q 7. How many points were scored by the team which lost the maximum number of matches in its home state among the six teams in the tournament?

a) 109

b) 113

c) 103

d) None of these

Q 8. The number of matches lost by Indiana Pacers in states other than its home state form what percentage of the total matches played by Indiana Pacers?

a) 10%

b) 16.67%

c) 25%

d) 33.33%

Q 9. $A = k^2 - 1$ and $B = (k + 1)^2 - 1$, where k is a natural number greater than 1. How many prime numbers are there by which both A and B are divisible for at least one value of k?

a) 0

b) 1

c) 2

d) More than 2

Q 10. One of the roots of the equation $x^2 + bx + 2b = 0$ (where b is a real number) is twice the other root. Which of the following is the equation whose roots are 'b' and 'b + 1'?

a) $x^2 + 19x - 90 = 0$

b) $x^2 - 9x + 20 = 0$

c) $x^2 + 9x - 90 = 0$

d) $x^2 - 19x + 90 = 0$

Q 11. A 1-litre water-alcohol mixture M_1 contains 40% water while another 1-litre water-alcohol mixture M_2 contains 70% water. x ml is taken out from each of the two mixtures and put in two separate containers. The quantity taken out from M_1 is mixed into the remaining part of M_2 and the quantity taken out from M_2 is mixed into the remaining part of M_1. If the two mixtures contain equal quantities of water after the operation, then what is the value of x?

a) 300

b) 400

c) 500

d) 600

Q 12. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:

Mark (a) if the question can be answered by using Statement A alone, but cannot be answered by using Statement B alone.

Mark (b) if the question can be answered by using Statement B alone, but cannot be answered by using Statement A alone.

Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.

Mark (d) if the question can be answered by using either statement alone.

Q. ABCD is a quadrilateral inscribed in a circle. What is the measure of $\angle BAC$?
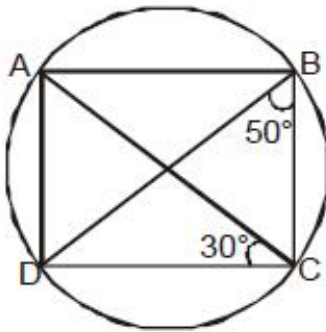
A. AB is parallel to CD.

B. $\angle BDC$ is thrice of $\angle BCA$.

a)

b)

c)

d)

Q 13. Given below is the sequence of all the natural numbers which don't contain the digit '0'.

1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13…

What is the 200th term of this sequence?

a) 242

b) 241

c) 255

d) 253

Q 14. The shape of a solid plastic toy is shown in the figure given below. The structure consists of a cylinder, frustum of a cone and a hemisphere. The height and radius of the cylinder are H/2 and r respectively. The radius of the hemisphere is R. The height and base radius of the original cone were H and R respectively. If H = 2R = 4r, then what is the volume of the toy?
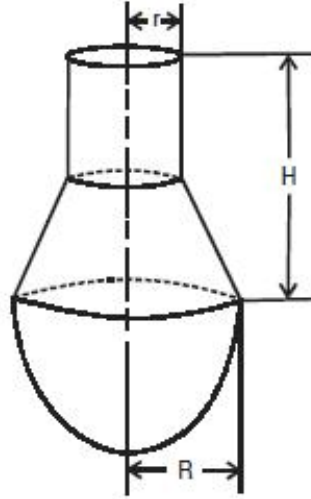
a) $12\pi r^3$

b) $24\pi r^3$

c) $12\pi R^3$

d) $24\pi R^3$

Directions for questions 15 and 16: Answer the questions on the basis of the information given below.

In a society, the newspapers of only three languages – Marathi, Gujarati and Hindi – are distributed. Each family residing in the society reads newspapers of at least one of the three languages.

The total number of families reading newspapers of exactly one language can be divided into three types – only Marathi, only Gujarati and only Hindi. These three numbers are in A.P., in no particular order. Similarly, the three types of families reading newspapers of exactly two languages are also in A.P. The number of families reading newspapers of all the three languages is one-tenth of the number of families reading only Gujarati newspapers, which in turn is two-third of the number of families reading only Hindi newspapers.

The number of families reading both Marathi and Gujarati newspapers is 15, whereas the number of families reading both Gujarati and Hindi newspapers is 19. The number of families reading Hindi newspapers is 70, which is more than the number of families reading Marathi newspapers.

Q 15. What is the total number of families in the society?

a) 111

b) 113

c) 128

d) Cannot be determined

Q 16. What is the number of families reading both Marathi and Hindi newspapers?

a) 11

b) 21

c) 23

d) Cannot be determined

Q 17. Four identical bags are distributed among four boys. If each boy can get any number of bags then what is the probability that no boy gets more than two bags?

a) $\dfrac{18}{35}$

b) $\dfrac{2}{7}$

c) $\dfrac{19}{35}$

d) $\dfrac{16}{35}$

Q 18. $4 \leq p \leq 9,\ -0.25 \leq q \leq 0.36,\ -0.49 \leq r \leq -0.01$ and $\dfrac{r}{s^2} = \dfrac{p^2}{q}$, where p, q, r and s are real numbers.

What is the difference between the maximum and the minimum possible values of s?

a) 0.0875

b) 0.105

c) 0.210

d) None of these

Q 19. The work done by 2 men in a day is equal to the work done by 3 children in a day. The work done by 3 men in a day is equal to the work done by 5 women in a day. It takes 10 days for a man, a woman and a child to complete a job working together. How many days will 2 children working together take to complete the same job?

a) 30

b) 15

c) 17

d) 34

Q 20. Two circles of radii 6 cm each have their centers at O and O' respectively. The circles intersect at points M and N, and pass through the centers of each other. A point P is taken on the minor arc OM. The points N and P are joined and the line segment NP is extended to meet the circle with center O at point Q. If PQ = 4 cm, what fraction of the area of the circle with center O is occupied by the triangle MPQ?

a) $\dfrac{\sqrt{3}}{4\pi}$

b) $\dfrac{\sqrt{3}}{9\pi}$

c) $\dfrac{\sqrt{3}}{6\pi}$

d) $\dfrac{\sqrt{3}}{8\pi}$

Q 21. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:

Mark (a) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.

Mark (b) if the question can be answered by using either statement alone.

Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.

Mark (d) if the question cannot be answered even by using both the statements together.

Q. Two cars, 100 km apart, start moving towards each other. After how much time will they meet?
A. The ratio of the speeds of the two cars is 3 : 7.
B. The slower car is travelling at a speed at which it will cover a distance of 600 km in 10 hours.

a)

b)

c)

d)

Q 22. Two different two-digit natural numbers are written beside each other such that the larger number is written on the left. When the absolute difference of the two numbers is subtracted from the four-digit number so formed, the number obtained is 5481. What is the sum of the two two-digit numbers?
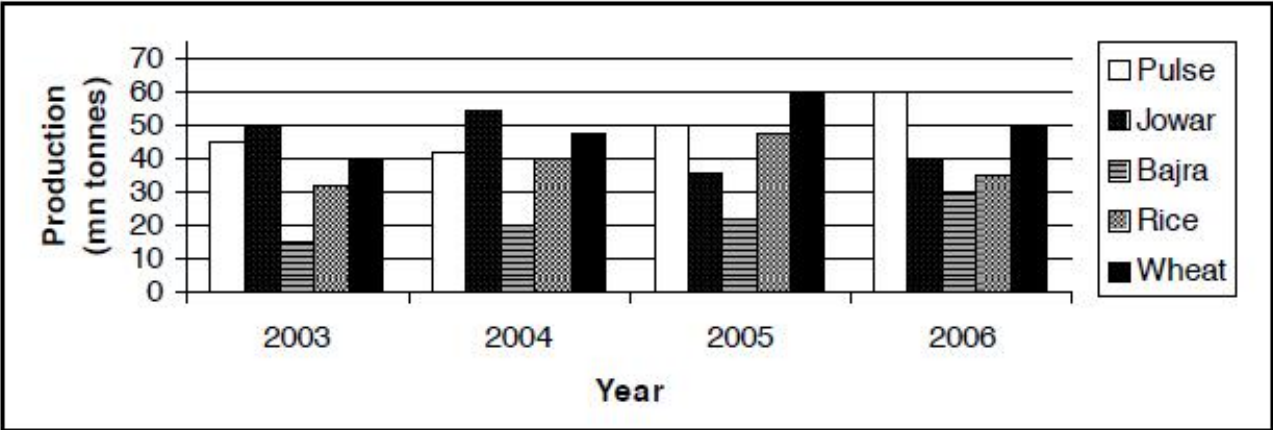
a) 70

b) 71

c) 72

d) 73

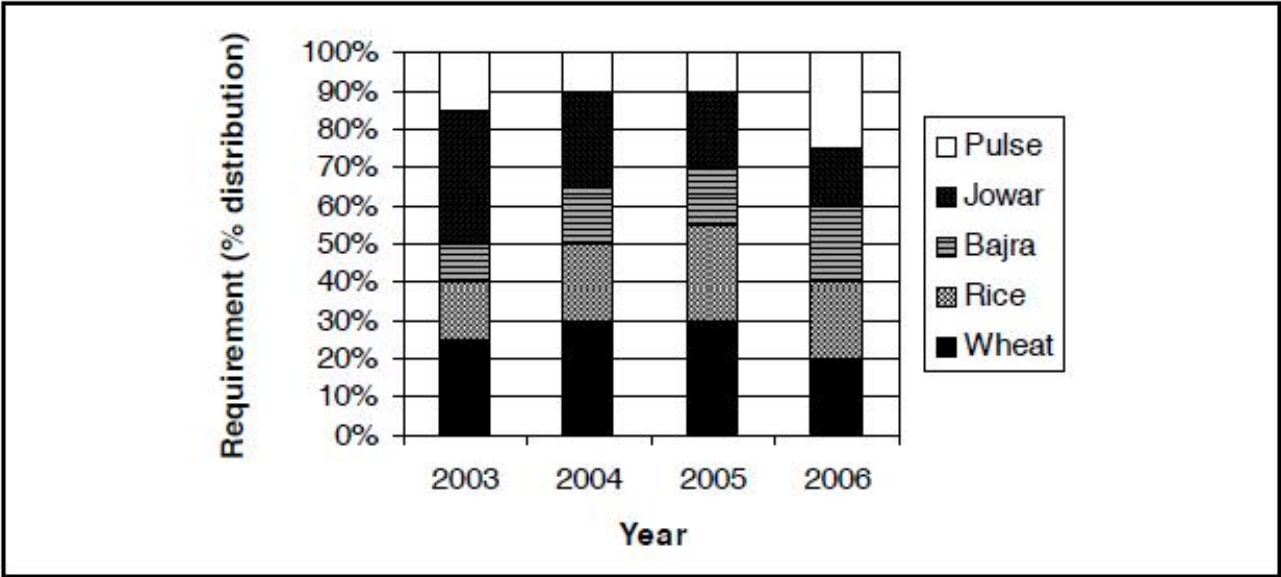**Q 23.** How many integer pairs (x, y) are there such that $x^3 + 3x^2 - 4x = 81y^3 - 9y^2 + 6y - 1$?

a) 0

b) 1

c) 2

d) 3

Directions for questions 24 to 26: Answer the questions on the basis of the information given below.

Pekoslovakia produces just five commodities every year. If the production of a commodity in a year is more than its requirement then it is exported whereas if the production is less than its requirement then it is imported. The graph given below shows the volume of production (in mn tonnes) of the five commodities in Pekoslovakia from the year 2003 to the year 2006.

The total requirement of the five commodities together in 2003 was 200 mn tonnes; it increased by 20% in 2004 over 2003; then remained constant in 2005; and then finally increased by 25% in 2006 over 2005. The graph given below shows the percentage requirement of each commodity as a part of the total requirement in each of the four years.
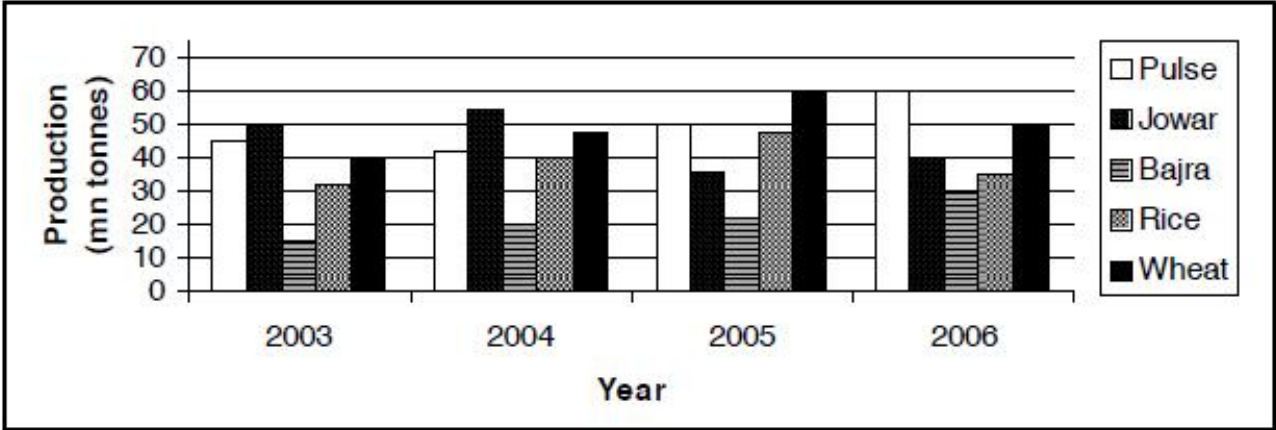
Q 24. Which was the year in which all the five commodities were imported by Pekoslovakia?
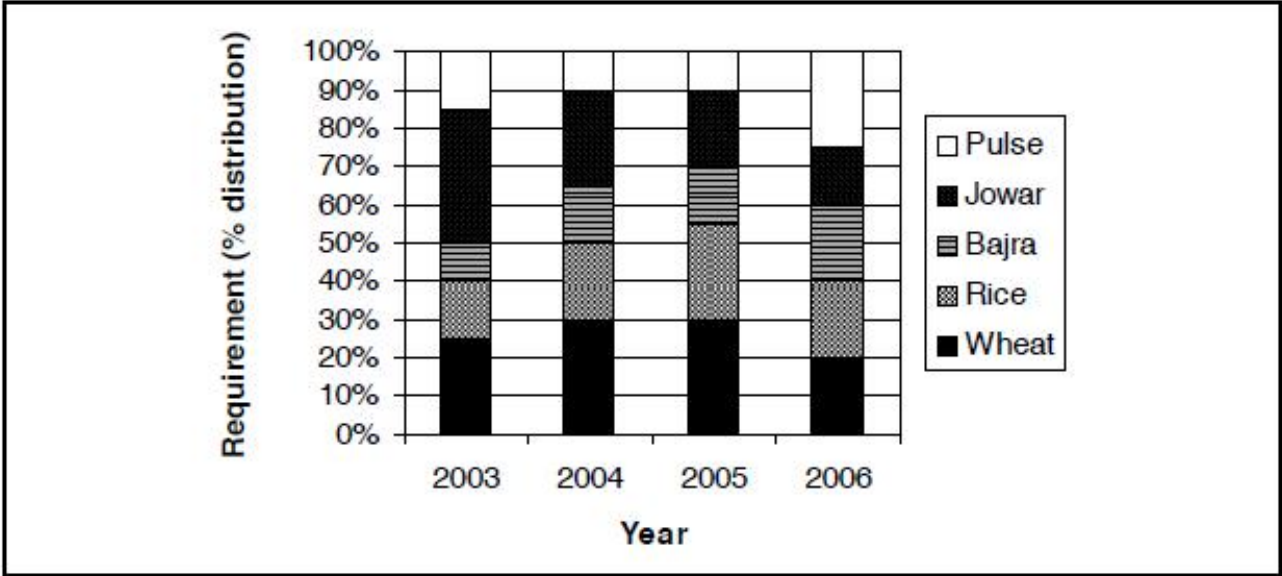
a) 2003

b) 2004

c) 2005

d) 2006

Directions for questions 24 to 26: Answer the questions on the basis of the information given below.

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Q 25. In which year was the difference between the total requirement and the total production of the five commodities minimum among the four years?

a) 2003

b) 2004

c) 2005

d) 2006

Q 26. How many commodities were exported by Pekoslovakia in 2004?

a) 1

b) 2

c) 3

d) 4

Q 27. $A = 28^{12}$, $B = 18^8$ and $C = 21^6$. How many natural numbers are there by which at least one among A, B and C is divisible?

a) 499

b) 501

c) 504

d) 505

Q 28. It takes 30 hours for an inlet pipe to fill an empty tank completely. When 5 identical inlet pipes and 4 identical outlet pipes operate together, the same empty tank get filled completely in 10 hours. How much time (in hours) will an outlet pipe take to empty the same tank when it's filled upto half its volume?

a) 15

b) 20

c) 24

d) 30

Q 29. The chord AB of a circle is the perpendicular bisector of the chord CD of the same circle. The two chords intersect at point E. If CD = BE = 4 cm, then what is the circumference of the circle?

a) 4π cm

b) 5π cm

c) 6π cm

d) 8π cm

Q 30. What is the number of ways in which a team of 3 members can be selected from 4 boys and 6 girls such that there is at least one boy and at least one girl in the team?

a) $^4C_1\,^6C_1\,^8C_1$

b) $\dfrac{^4C_1\,^6C_1\,^8C_1}{2}$

c) $^{10}C_3$

d) None of these

Q 31. Each root of the equation $ax^3 - 7x^2 + cx + 231 = 0$ is an integer. One of the roots is $-\dfrac{1}{2}$ times the sum of the other two roots. What is the sum of all the possible values of a?

a) 17

b) –7

c) –17

d) None of these

Q 32. In the figure given below, ABCDEF is a regular hexagon whose diagonals intersect at point O. G is the centroid of triangle AOF and L is the midpoint of FO. The line segment HK joins the midpoints of AB and CD. Find the ratio of the shaded area marked 'x' to the shaded area marked 'y'.

a) 3 : 7

b) 2 : 9

c) 2 : 5
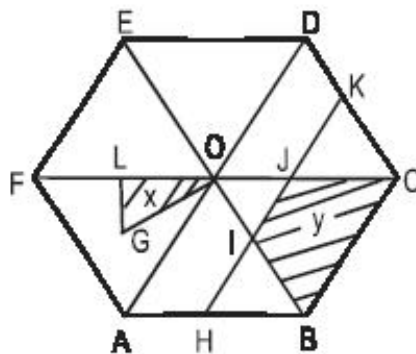
d) 3 : 11

Q 33. $M = \sqrt{3 - \sqrt{5}} + \sqrt{9 - 4\sqrt{5}}$ and $N = \sqrt{\sqrt{7} - 1 - \sqrt{11 - 4\sqrt{7}}}$. What is the value of $\dfrac{M-N}{M+N}$?

a) 0

b) 1

c) –1

d) None of these

Q 34. $P + \dfrac{1}{Q} = Q + \dfrac{1}{R} = 1$, where P, Q and R are real numbers. What is the value of $PQR + R + \dfrac{1}{P}$?

a) –2

b) –1

c) 0

d) Cannot be determined

Q 35. Anant purchased x chocolates for Rs. y, where y is a natural number. The shopkeeper had offered to give him x+10 chocolates for Rs. 2. Anant declined the offer though it would have resulted in a saving of 80 paise per dozen chocolates for him. Which of the following can be the number of chocolates purchased by Anant?

a) 1

b) 3

c) 5

d) 15

Q 36. There are two boxes – I and II. Each contains balls of two colours – White and Black. A ball is selected at random. It is known that P(W ∩ I) = 0.3 and P(B'|II) = 0.8, where W, B, I and II represent the events White ball selected, Black ball selected, ball selected from Box I and ball selected from Box II respectively. Find P(I|B).

a) $\dfrac{2}{3}$

b) $\dfrac{1}{3}$

c) $\dfrac{1}{2}$

d) $\dfrac{3}{4}$

Q 37. N is a five-digit perfect square whose unit digit is same as the tens digit. How many such N are there?

a) 31

b) 30

c) 33

d) 32

Q 38. N = 70! × 69! × 68! × .... 3! × 2! × 1!
Which of the following represents the 147th digit from the right end of N?

a) 2

b) 0

c) 5

d) 7

$$n = \frac{a}{b+c} + \frac{b}{c+a} + \frac{c}{a+b},$$

Q 39. If $n = \dfrac{a}{b+c} + \dfrac{b}{c+a} + \dfrac{c}{a+b}$, where a, b and c are the three sides of a triangle, then which of the following best describes the range in which n lies?

a) $\left[\dfrac{3}{2}, 2\right)$

b) $\left(\dfrac{2}{3}, \dfrac{3}{2}\right)$

c) $\left(1, \dfrac{5}{2}\right]$

d) $\left(\dfrac{4}{3}, \dfrac{5}{3}\right)$

Q 40. P and Q are two points 100 km apart. A starts running from P towards Q at 10 km/hr. B starts running from Q at exactly the same time and in the same direction as that of A at 20 km/hr. After an hour, B turns back and changes his speed to 10 km/hr. After another hour, B again turns back and changes his speed to 20 km/hr. He keeps on changing his speed and direction in this manner till the time he meets A. After how much time will A and B meet for the first time?
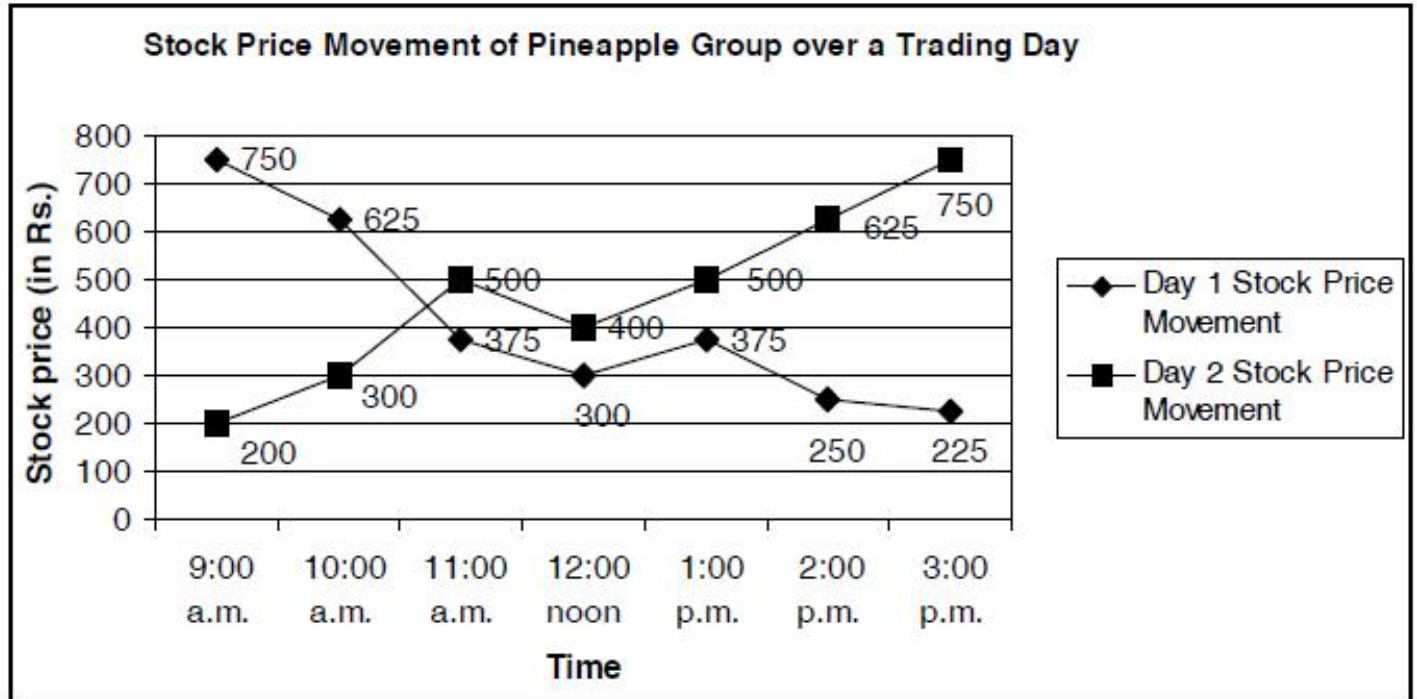
a) 30 hours

b) 18 hours

c) 10 hours

d) 20 hours

Directions for questions 41 and 42: Answer the questions on the basis of the information given below.

Two stock traders – Hasan and Sajid – trade in the shares of Pineapple Group only. Each of them follows a different strategy for selling and buying the stocks. Sajid sells an equal number of shares at 9 a.m. and 10 a.m. and buys them back in equal numbers at 1 p.m. and 2 p.m. Hasan sells some shares at 11 a.m. and the rest at 12 noon such that the

amount he gets on the two occasions is the same. He buys back the whole lot at 3 p.m. The chart given below displays the performance of Pineapple Group stock on two particular days – Day 1 and Day 2.

The profit/loss made by a trader on a particular day is the difference between the amount that he obtains by selling the shares and the amount that he spends in buying the shares. "Margin" for a day is the profit/loss expressed as a percentage of the total amount obtained by selling the shares on that day.

Stock Price Movement of Pineapple Group over a Trading Day

Q 41. If Sajid and Hasan sold an equal number of shares on Day 1, then which of the following statements would definitely be true?
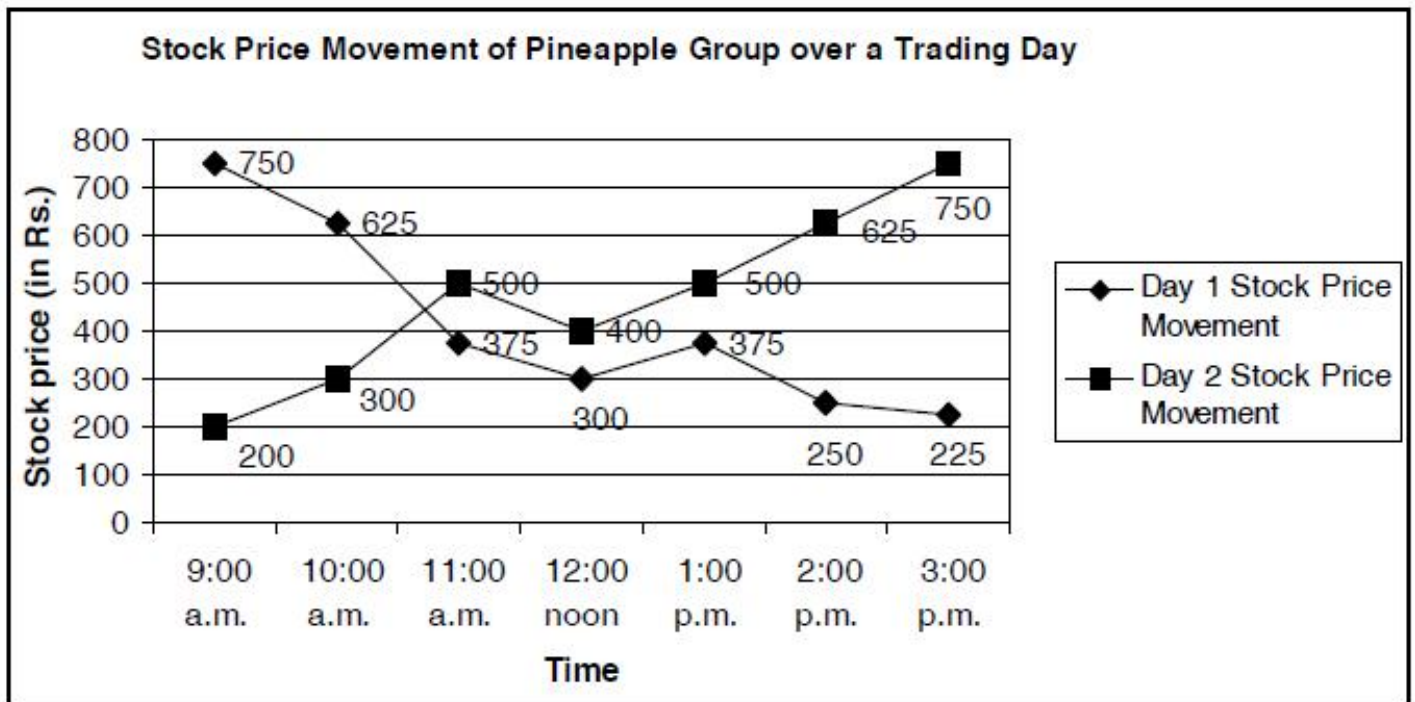
I. Hasan made more profit than Sajid on Day 1.

II. Hasan made less profit than Sajid on Day 1.

III. Hasan's Margin was more than Sajid's Margin on Day 1.

IV. Hasan's Margin was less than Sajid's Margin on Day 1.

a) I only

b) I and IV

c) II and IV

d) I and III

Directions for questions 41 and 42: Answer the questions on the basis of the information given below.

Two stock traders – Hasan and Sajid – trade in the shares of Pineapple Group only. Each of them follows a different strategy for selling and buying the stocks. Sajid sells an equal number of shares at 9 a.m. and 10 a.m. and buys them back in equal numbers at 1 p.m. and 2 p.m. Hasan sells some shares at 11 a.m. and the rest at 12 noon such that the amount he gets on the two occasions is the same. He buys back the whole lot at 3 p.m. The chart given below displays the performance of Pineapple Group stock on two particular days – Day 1 and Day 2.

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Stock Price Movement of Pineapple Group over a Trading Day

Q 42. What was the ratio of Hasan's Margin to Sajid's Margin on Day 2?

a) 13 : 20

b) 11 : 20

c) 20 : 13

d) Cannot be determined

Q 43. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
Mark (b) if the question can be answered by using either statement alone.
Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
Mark (d) if the question cannot be answered even by using both the statements together.

Q. ABCD is a cyclic quadrilateral in which AB = 8 cm and BC = 15 cm. What is the area of the quadrilateral?
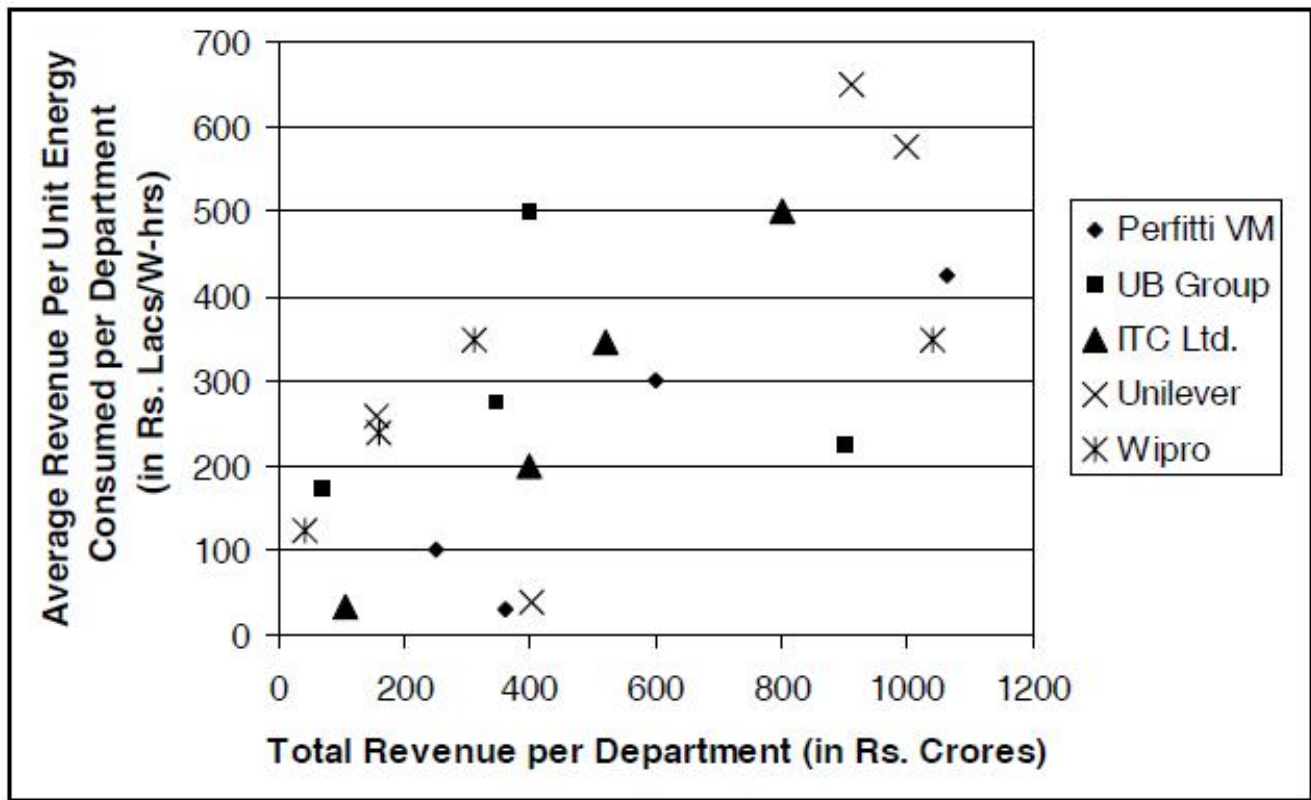**A.** AD = CD
B. The length of the diameter of the circumcircle of triangle BCD is 17 cm.

a)

b)

c)

d)

Directions for questions 44 to 46: Answer the questions on the basis of the information given below.

The graph given below shows the statistics of five companies – Perfitti VM, UB Group, ITC, Unilever and Wipro – in India. Each point on the graph indicates the Total Revenue generated by a different department of one of these companies and the Average Revenue generated per Unit Energy Consumed by that particular department.

Q 44. If the departments represented in the graph are the only departments in the five companies where energy is consumed, then for which company is the Energy Consumption the highest?

a) Wipro

b) UB Group

c) ITC Ltd.

d) None of these

Directions for questions 44 to 46: Answer the questions on the basis of the information given below.

The graph given below shows the statistics of five companies – Perfitti VM, UB Group, ITC, Unilever and Wipro – in India. Each point on the graph indicates the Total Revenue generated by a different department of one of these companies and the Average Revenue generated per Unit Energy Consumed by that particular department.
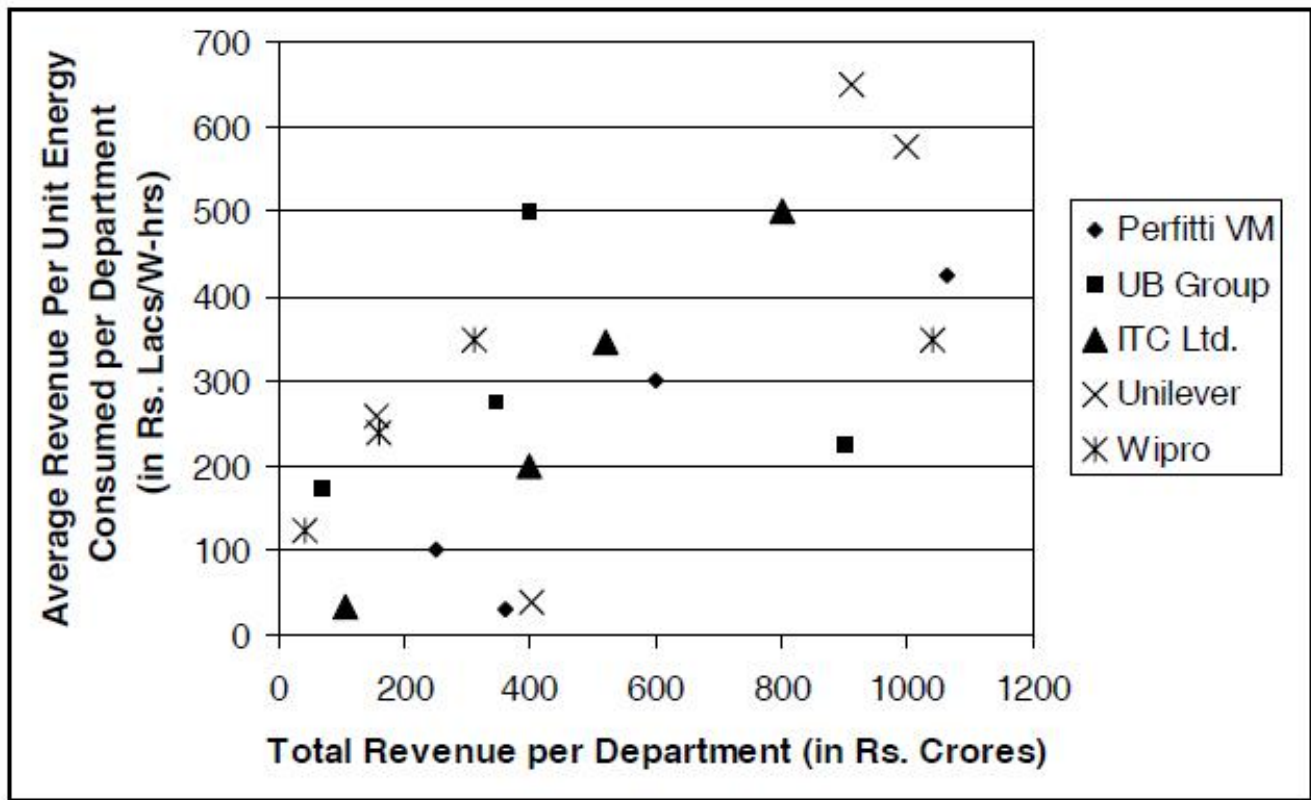
Q 45. How many of the represented departments across the five companies have consumed less than 100W-hrs of energy?

a) Seven

b) Three

c) Five

d) Six

Directions for questions 44 to 46: Answer the questions on the basis of the information given below.

The graph given below shows the statistics of five companies – Perfitti VM, UB Group, ITC, Unilever and Wipro – in India. Each point on the graph indicates the Total Revenue generated by a different department of one of these companies and the Average Revenue generated per Unit Energy Consumed by that particular department.
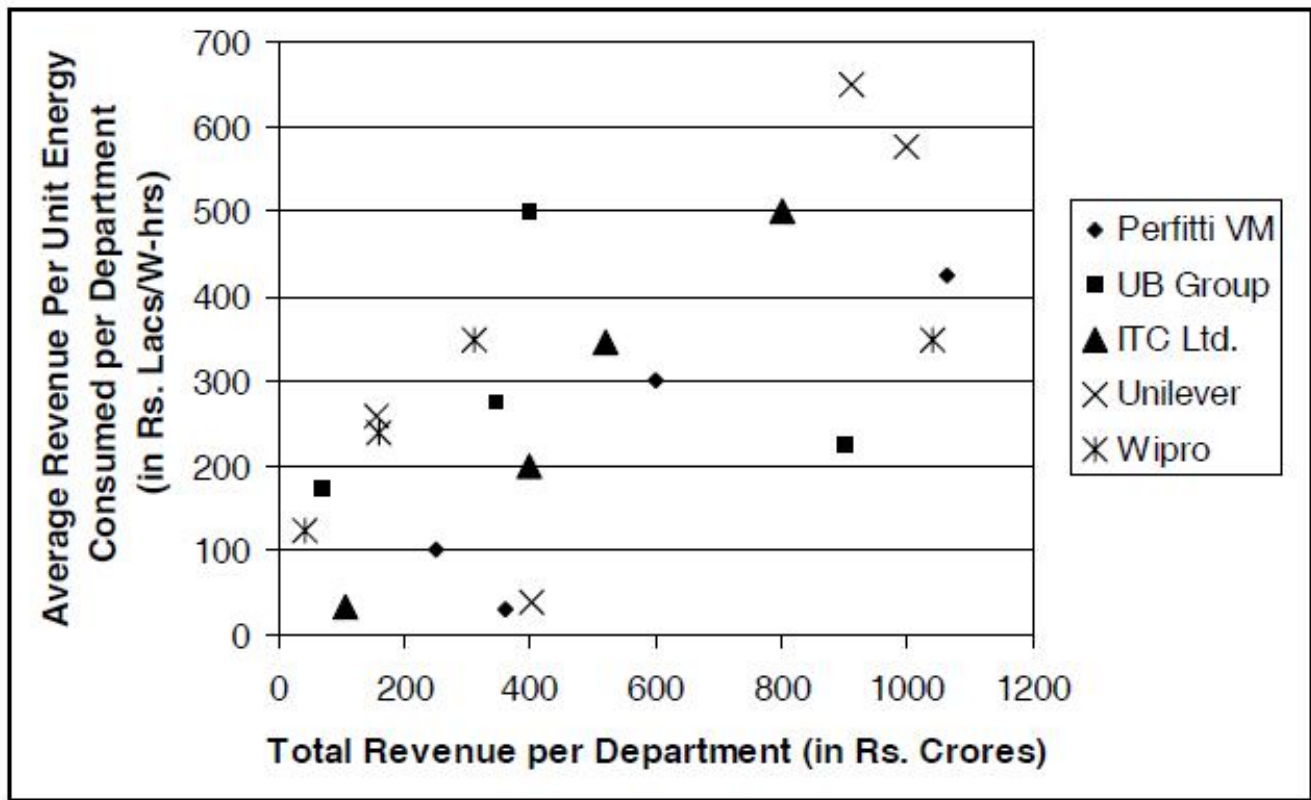
Q 46. Which of the five companies has the highest number of departments that generate more than Rs. 600 crores as the Total Revenue and consume less than 200W-hrs of energy?

a) Perfitti VM

b) Unilever

c) Wipro

d) ITC

Q 47. A 3-digit natural number 'abc', where a, b and c are distinct digits, when increased by 33.33% becomes 'cab'. When 'cab' is increased by 33.33% it becomes 'bca'. How many such numbers are there?

a) 0

b) 1

c) 2

d) 5

Q 48. In the figure given below, a tangent is drawn at point P on a circle of radius 1 cm. A and B are two points on the tangent and ABCD is a rectangle, where C and D are two points on the circumference of the circle. What is the approximate area (in cm^2) of the rectangle ABCD if 2AB = BC?
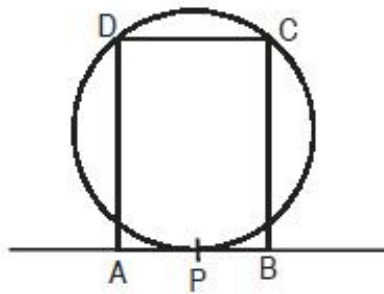
a) 1.77

b) 1.50

c) 1.83

d) 1.60

Q 49. In how many ways can 18 identical balls be distributed among 3 identical boxes?

a) 25

b) 210

c) 105

d) 37

Q 50. One hundred ml of alcohol is mixed with y ml of water. Forty ml of this alcohol-water mixture is added to 2y ml of another alcohol-water mixture whose alcohol concentration is 26%. If the percentage of water in the resultant mixture is 2y%, then what is the value of y?

a) 30

b) 40

c) 20

d) 25

Directions for questions 51 and 52: The passage given below is followed by a set of two questions. Choose the most appropriate answer to each question.

The spiritual interlocutor interacts without preconceived notions. The good discussant receives without barriers and responds in a heightened state of understanding. The shedding of constructs becomes at once a spiritual and humanist pursuit. Most of us, by force of sub- conscious habit, introduce our experiential and intellectual baggage into our interactions with people. This not only distorts our understanding of the material reality, but inhibits our spiritual growth as well. We stew in our 'here and now' boxes, unable to elevate ourselves as a bird would.

Yet, the validity of experience should not be discounted. Experience should be assessed with a certain heightened objectivity for one to draw the right lessons for one's actions. So detachment should be seen as a means to arrive at that state of balanced understanding. It does not preclude pain and compassion; but it discards obfuscation and hypocrisy.

Creativity is said to spring from the angst of experience. Often the outpourings of a tortured mind make for great literature and painting. Ironically, existential pain can bring about work of transcendental quality. The beauty and

simplicity of Kahlil Gibran's The Prophet is testimony to the literary virtues of spiritualism. The spiritual world is a rich, fulsome, loving nothingness that opens up the heavens, not a musty blankness.

Compassion could liberate us from the boundaries of the mind. The house- holder looks after the family out of a sense of duty and affection, which in due course becomes second nature. The mental and emotional universe of such an individual is able to accommodate reality in virtually all its dimensions. Psychologist Eric Fromm points out that love must be all-encompassing by nature for an individual to be spiritually liberated. To love some people and resent others is not real love.

Q 51. Which of the following will be a suitable title for the passage?

a) Spiritual Equality

b) Limitations of the Intellectual

c) Creativity and Spirituality

d) Being Spiritual

Q 52. "It does not preclude pain and compassion; but it discards obfuscation and hypocrisy." When paraphrased, how will the given sentence read?

a) Experience does not prevent pain and compassion but rejects disguise and insincerity.

b) Detachment does not prevent pain and compassion but rejects disguise and insincerity.

c) Detachment does not prevent pain and compassion but rejects complication and pretense.

d) Experience does not prevent pain and compassion but rejects complication and pretense.

Directions for questions 53 to 55: The passage given below is followed by a set of three questions. Choose the most appropriate answer to each question.

A sensible and fair approach would be to let the high-end tax cuts expire as scheduled, but keep the other tax cuts for another year. That would keep more cash in the hands of people most likely to spend it and prop up consumer demand while the economy is weak. It would give Congress and the administration time to undertake tax reform.

Most Congressional Republicans are willing to embrace reform, but only if it is "revenue neutral." There is no question that the system is overly complicated; it is also riddled with hugely costly special deals for special interests. Any reform must streamline the code, make it fairer and — most important — raise more revenue.

Each year, the government provides $1 trillion in tax breaks. Some of the largest breaks — for itemized deductions and retirement savings — should be retained because they subsidize important goals, like home ownership and old-age security. Right now, wealthier taxpayers get the greatest benefit. The process needs to be reformed so that most of the help flows to those who most need it: low- and middle-income taxpayers.

At the same time, super-low tax rates for investment income should be ended. Capital gains are taxed at a top rate of 15 percent, compared with a top rate for wages and salary of 35 percent. Proponents argue that the lower rate is an incentive to invest, but research shows that it also encourages gaming of the system. Tax breaks that have outlived their purpose must be ended, starting with subsidies for the oil industry, which is making billions in profits.

The revenue from such reforms could be used to pay down the deficit and allow all tax rates to be lowered, improving incentives to work. The amount of revenue raised and the drop in tax rates will depend on how much tax breaks are curbed.

Congress should consider raising revenues in other ways, like a value-added tax, or carbon taxes. That way all of the needed revenue for deficit reduction, and for what government provides, does not need to be squeezed from the income tax. A value-added tax is conducive to saving, and a carbon tax helps protect the environment.

The public is open to new taxes, and the economic facts are clear. Until tax increases are considered in equal measure to spending cuts, there will be no budget fix.

Q 53. What is the tone of the passage?

a) **Placatory**

b) **Advisory**

c) **Premonitory**

d) **Critical**

Q 54. Which of the following can be inferred from the passage?

a) **The current tax structure does not give the greatest benefit to low- and middle-income taxpayers.**

b) **The current tax structure aims to give the greatest benefit to low- and middle-income taxpayers.**

c) **Tax breaks give the greatest benefit to wealthier taxpayers.**

d) **The current tax structure does not give the greatest benefit to wealthier taxpayers.**

Q 55. Which of the following can be inferred from the last sentence of the passage?

a) **Tax increase will give Congress and the administration time to undertake tax reforms.**

b) **The economy can be strengthened if more importance is given to tax increases.**

c) **The economy can be strengthened if less importance is given to spending cuts.**

d) **The economy can be strengthened with equal importance given to tax increases and spending cuts.**

Q 56. Five sentences are given below, labeled A, B, C, D and E. They need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate one.

A. But instead the administration went into fright mode, ordering federal employees not to look at the cables at work or at home.
B. Thus the attempts to block or close down the website, even going so far as to call for the assassination of WikiLeaks founder Julian Assange.
C. These are symptoms of a weak, failing culture, unable to deal with its own history.
D. The administration doesn't want government workers and troops and ordinary citizens to see how their political sausage is made.
E. Censorship is always a bad move.

a) **ABECD**

b) **AEDBC**

c) **ADBCE**

d) **ACDBE**

Q 57. Five sentences are given below, labeled A, B, C, D and E. They need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate one.

A. We surely need a much smarter long-term fiscal plan.
B. We need to cut spending in areas and on a time schedule that will hurt the least.
C. We need to raise taxes in ways that will hurt the least.
D. We need to use some of these revenues to invest in the pillars of our growth.
E. We need to offer every possible incentive to get our countrymen to start new businesses to grow out of this hole.

a) ABCDE

b) ACEDB

c) ACEBD

d) ADCBE

Q 58. Five sentences are given below, labeled A, B, C, D and E. They need to be arranged in a logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate one.

A. Ostensibly a member of the Congolese Army, he is in fact a freelance killer with his own ethnic Tutsi militia.
B. All this might be a price worth paying if the law were having its intended effect.
C. Meanwhile, the law is benefiting some of the very people it was meant to single out.
D. The chief beneficiary is Gen. Bosco Ntaganda, who is nicknamed The Terminator.
E. They provide "security" to traders smuggling minerals across the border to neighboring Rwanda.

a) ACDEB

b) DAEBC

c) CDAEB

d) BEACD

Q 59. A paragraph is given below from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

A key tipping point for this decades-long class warfare of the rich vs. the working class can be found in President Reagan's decision to break the air traffic controllers' union when it initiated a strike in 1981. Reagan's manoeuvre was an audacious gamble to head backwards in terms of economic and social justice, and it paid off. The weak, disorganized Left at the time was unable to mount a concerted, effective campaign against Reagan's union-busting move, and the public didn't seem to care.

a) The lesson was learned: going backwards works.

b)
Compare those 'sounds of silence' in America then with now how citizens in other countries are reacting to the draconian "austerity" policies in Europe.

c) These class-war realizations have led to millions of protesters in the streets.

d) But in America, those in the shrinking middle class remain in a kind of social narcolepsy.

Q 60. A paragraph is given below from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

We mistakenly treated the end of the cold war as a victory that allowed us to put our feet up — when it was actually the onset of one of the greatest challenges we've ever faced. We helped to unleash two billion people just like us — in China, India and Eastern Europe. For us to effectively compete and collaborate with them — to maintain the American dream — required studying harder, investing wiser, innovating faster, upgrading our infrastructure quicker and working smarter.

a) Our European friends went on a similar binge.

b) But the real problem is that the global economy is badly over leveraged.

c) Instead of doing that, we injected ourselves with massive amounts of credit.

d) This enabled millions of people to buy homes they could not afford.

Directions for questions 61 to 63: The passage given below is followed by a set of three questions. Choose the most appropriate answer to each question.

Having researched the historiography of Berlin, I tried to ascertain where the gaps in knowledge were – as historians; we need those gaps to work in. It struck me that a people's history of Berlin during the war was rather lacking. Added to that realization was the feeling that there is an awful lot of first-hand material from that time that is available: published and unpublished memoirs, diaries and so on. So I became convinced that it was a rewarding avenue to pursue. It ties in also with the trend over the last couple of decades towards a 'democratization' of history; the shift from a top-down view – that of politicians and commanders – to a more popular one reflecting the experience of the man and woman in the street. Above all, I think, I wanted to challenge the lazy convention by which we see ordinary Germans at that time as a homogenized mass of Nazis, like robots, all marching in goosestep. Despite its popularity, that was never a terribly realistic assumption for any historian to make. I wanted to bring out the multiplicity of opinions and voices that were available in wartime Berlin.

The book has a great deal of original research behind it and much of the material you employ is largely unknown, at least to English language readers. It may seem remarkable to many people that there is anything left to say about Nazi Germany, but plainly there is. How did I go about finding that material? There are always new avenues opening up. There were a couple of places where I started my research for the book. One was the German Diary Archive in Emmendingen in southwestern Germany. In addition, there is a wonderful organization in Berlin that puts eyewitnesses in touch with historians, documentary filmmakers and the like. I approached them and they came back with a list of names and phone numbers. I ended up with about 40 Berliners of the wartime generation whom I then interviewed. I ended up with far more first-hand material than I could sensibly use.

I was looking first of all for patterns. The difficult thing with oral history is looking at what people remember and judging the accuracy of their recollections, the validity of it all. Historians must have their antennae tuned towards those issues. But it is the patterns, the symmetry of experience and subsequent corroboration that is important, as well as anything that stands out from those patterns. Exceptions had to be plausible; a few of my interviewees were plainly suffering from the ravages of age. But it was a fascinating experience to sit down with these people in elegant rooms in Berlin suburbs over coffee and cake and listen to their often hair-raising stories.

Q 61. What does the author mean by 'democratization' of history?

a) Rewriting history on the basis of established facts and verifiable data.

b) Including the opinions of the common man.

c) Changing the focus from the opinion and experience of politicians to that of common people.

d) Considering multiplicity of opinions and voices available.

Q 62. Which of the following has not been mentioned by the author as a factor he took into account to write the book?

a) The availability of first hand material related to the book.

b) The opportunity to challenge the common understanding about the Germans.

c) The trend towards democratization of history.

d) None of the above

Q 63. Which of the following statements best describes the way in which the passage proceeds?

a) The author challenges a position popular with historians and justifies his assertions.

b)
The author provides a historical backdrop to Nazi Germany and explains the forces that had been at work at that time.

c)
The author discusses the motivations behind his book, the research that has gone into it, and elaborates on its procedures and challenges.

d) The author comments on the originality of his research and explains its relevance to his book.

Q 64. The word given below has been used in sentences in four different ways. Choose the option corresponding to the sentence in which the usage of the word is *incorrect or inappropriate.*

Pull

a) By cheating his master and poisoning him, the servant thought that he has been able to pull the fast one.

b) She saw the ambulance coming up behind her and pulled over.

c) They waved as the bus pulled away.

d) The clever leader pulled strings to mitigate the chances of a deserved defeat.

Q 65. The word given below has been used in sentences in four different ways. Choose the option corresponding to the sentence in which the usage of the word is *incorrect or inappropriate.*

Close

a) We closed on with the invaders shortly before sundown.

b) Our candidate successfully closed the distance to the lead race.

c) There is no flower close to a rose.

d) When the newspaper story broke suggesting possible corruption in the government, the politicians all closed ranks.

Directions for questions 66 to 68: Answer the questions on the basis of the information given below.

A bus left Terminal A for Terminal B and passed through seven bus stops on its way – P, Q, R, S, T, U and V – not necessarily in the same order. The distance between any two consecutive bus stops was the same. The bus always moved with a constant speed, which was either v m/s or 2v m/s, between two consecutive bus stops. It was also noticed during the journey that:

(i) The time taken by the bus to reach S from P was the same as the time taken to reach Q from T.
(ii) There was exactly one bus stop between S and V.
(iii) The distance between P and Q was the same as that between Q and T.

(iv) U was not the first bus stop and R came after U.

Q 66. Which among the seven was the first bus stop?

a) T

b) P

c) V

d) Cannot be determined

Q 67. Which among the seven was the last bus stop?

a) S

b) R

c) V

d) Cannot be determined

Q 68. If the average speed of the bus between P and S was different from the average speed of the bus between T and Q, then which bus stop was immediately before R?

a) P

b) S

c) V

d) Q

Q 69. There are two gaps in the sentence given below. From the pairs of words given, choose the one that fills the gaps most appropriately.

For essential to morality is that its norms apply with equal ………….. to everyone; moral relativism, it has always seemed to me, is an ………… .

a) effect; semiotic

b) lawfulness; illusion

c) legitimacy; oxymoron

d) proportion; understatement

Q 70. There are two gaps in the sentence given below. From the pairs of words given, choose the one that fills the gaps most appropriately.

Asked if they are worried about Mr. Hazare becoming a cult figure, perhaps even …………… the image and methods of Gandhi, his supporters roared back that their leader was pure, set on a good cause to ……….. India of dreadful corruption.

a) supplanting; warp

b) embezzling; clean

c) emulating; ennoble

d) usurping; purge

Q 71. Given below are five sentences. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (A or B) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

Despite his misgivings, the mayor did *deign (A) / doyen (B)* to speak to the crowd at the tavern.
Not paying his traffic fines served to *disbar (A) /debar (B)* the lawyer so he could no longer practice law.
Salary will be *commensurate (A)/ commiserate (B)* with experience.
The captains on the old whaling fleets used a *sextant (A) / sexton (B)* to set the courses for their ships.
A consequence of living on the streets was the *depravation (A) / deprivation (B)* of character of the youth.

a) AAAAA

b) ABABA

c) BABAB

d) BBBBA

Q 72. Given below are five sentences. Each sentence has a pair of words that are italicized. From the italicized words, select the most appropriate words (A or B) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

She found an antique tea *caddie (A) / caddy (B)* which was used to keep tea in.
In the past, some teachers would *cane (A) / cain (B)* students who misbehaved.
Some of the witnesses had to run the *gauntlet (A)/ gauntest (B)* of television cameras and reporters.
We admired the painting of the *serif (A) / seraph (B)* on the ceiling of the chapel.
On the transcontinental train, the *saloon (A)/ salon (B)* car was the best place for us sit so we could see the scenery.

a) BBABA

b) ABBAB

c) BAABA

d) AABAA

Q 73. A paragraph is given below from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

In recent years, researchers have begun talking about mental health care in the same way addiction specialists speak of recovery — the lifelong journey of self-treatment and discipline that guides substance abuse programs. The idea remains controversial: managing a severe mental illness is more complicated than simply avoiding certain behaviors.

a) Yet people like Joe Holt are traveling it and succeeding.

b) The journey has more mazes, fewer road signs.

c) Now more people are risking exposure to tell their stories publicly.

d) And traditional medicine has not worked very well for most.

Q 74. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:
Mark (a) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.
Mark (b) if the question can be answered by using either statement alone.
Mark (c) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
Mark (d) if the question cannot be answered even by using both the statements together.

Q. A program is telecasted on a channel in five different languages – Hindi, English, Tamil, Malayalam and Telugu – in five consecutive time slots, not necessarily in the same order. What is the language in the third slot?
A. Hindi is either in the second or in the fourth slot. Tamil is not in the first slot.
B. English and Malayalam are in two consecutive slots. Telugu is neither in the first nor in the last slot.

a)

b)

c)

d)

Directions for questions 75 and 76: Answer the questions on the basis of the information given below.

Four friends – Arjun, Bheem, Nakul and Sahadev – have different heights and different weights. Bheem is not the heaviest and is shorter than Nakul. The only person shorter than Arjun is Sahadev. The tallest among them is the second heaviest. Arjun is neither the lightest nor the heaviest.

Q 75. Who among the four is the lightest?

a) Bheem

b) Nakul

c) Sahadev

d) Cannot be determined

Q 76. If the four friends are made to stand first in the increasing order of their heights and then in the decreasing order of their weights, then who among them would be at the same position in both the cases?

a) Bheem

b) Nakul

c) Sahadev

d) Arjun

Directions for questions 77 to 79: The passage given below is followed by a set of three questions. Choose the most appropriate answer to each question.

Don't shoot the messenger is usually a good rule to live by. But it is hard when it comes to Bernie Madoff, the former billionaire serving a 150-year jail term for running history's biggest Ponzi scheme.

Yet, in recent jailhouse interviews, Madoff has given a valuable insight into causes of the Great Recession, whose awful impact has blighted millions of lives across America and around the world. No one can deny Madoff's activities were an appalling fraud, but, he insists, what about the involvement of everyone else in the global financial system.

"They had to know," Madoff told the New York Times, referring to the banks and hedge funds that greedily reaped millions in fees from his operations. He pointed out to New York magazine that he refused to give the banks any information as to how he got such high returns and would not let them do due diligence. Yet they never complained.

"These banks and these funds had to know there were problems," he said.

No wonder that Irving Picard, the trustee representing Madoff's victims, has filed a civil suit seeking damages from banks who did business with Madoff. They include big Wall Street names like HSBC, Citigroup, JP Morgan and Merrill Lynch. Just because Madoff is a crook sitting in jail does not mean he isn't right when he tells us to look elsewhere, too.

Yet, unfortunately, Madoff is the only one behind bars.

That is the worst thing about the whole sorry saga. Madoff and his scheme have become a useful foil for the entire finance industry – and a distraction from its venality. It's always Madoff that the tabloids put on the front pages. It's Madoff who is the ultimate banking bogey man. It's Madoff who spurs public outrage and whose jailing has satiated a quest for justice. It is the classic "one bad apple" defence of the kind banks and Wall Street specialise in. It is not the system's or the bosses' fault, they say, it is just a few rogue operators and they have been dealt with.

But we should not be fooled. We should listen to Madoff when he fingers the whole financial sector and the giant firms within it as part of the problem, too. He told New York magazine:

"It's unbelievable … no one has has any criminal convictions. The whole new regulatory reform is a joke." He's not alone in being amazed that, despite the astonishing frauds and manipulations by Wall Street during the boom years, not one top banking or hedge fund executive sits in jail. It is indeed jaw-dropping.

Q 77. Which of these can be inferred as the 'insight' given by Madoff?

a) The Recession was caused by a few rogue operators.

b) The Recession was caused by the failure of the banks and financial organizations.

c) The Recession was caused by the venality of the finance industry.

d) The Recession was caused, in part, by the actions of the banking and financial industry.

Q 78. Why does the author call Madoff the ultimate banking bogeyman?

a) Madoff has come to represent the wrongs committed by the banking industry.

b) Madoff has come to represent the type of agent that caused the recession.

c) Madoff's actions were like those of a bogeyman.

d) Madoff was to blame for the banking industry losing millions.

Q 79. Which one of these would be the best title for the passage?

a) Bernie Madoff – The new banking poster boy

b) Beyond Madoff - Who else is to blame for the Recession?

c) How did Bernie Madoff cause the Recession?

d) How did the financial sector contribute to the Recession?

Directions for questions 80 and 81: The passage given below is followed by a set of two questions. Choose the most appropriate answer to each question.

The British monarch, Elizabeth II, in a green dress and leprechaun hat daintily sipping a glass of Guinness through a straw would have been a most fantastic depiction anytime in her past 59-year reign. But on Wednesday a cartoon in London's Independent came close to reality, excepting perhaps the frothy beer mug dancing in the air. For the first time in a century, ever since her grandfather, George V, crossed the Irish Sea, a reigning British monarch has set foot on Ireland. That absence of a hundred years puts into relief the bloodshed, bitter enmity and mistrust that have marked Anglo-Irish relations and cleaved the two nations all along. As a foil, her presence has been invested, not very surprising for Dublin, by a high degree of symbolism — some real, some exaggerated. The real: the queen's laying of the wreath at the Garden of Remembrance to honour the Irish patriots who fought against the British. The exaggerated: her green cloak to go with the Emerald Isle.

The queen's visit is meant to symbolise more than anything else an acknowledgment that history should not be allowed to stand in the way of the future; that the two nations have come a long way since the Easter Rising and the Irish War of Independence and the many fraught years since. While Sinn Fein's black balloons, the largely deserted streets and the heavy security presence reminded that history could not be too easily wished away, the queen took the first step towards a new rapprochement between the old adversaries. A year ago, British Prime Minister David Cameron had already apologised for the Bloody Sunday of 1972.

As Stephen said in Ulysses, "History is a nightmare from which I am trying to awake." That is quite like what the British and the Irish are trying to do.

Q 80. Which of the following can be inferred from the passage?
1. Relations between England and Ireland are cordial now.
2. Both Irish and British have been making efforts to ease the tension between the two nations.
3. The queen had chosen her attire to match Irish colours.

a) Only 1

b) 2 and 3

c) 1 and 2

d) None of the above

Q 81. How is the quote from Ulysses relevant to Britain and Ireland?

a) After years of conflict between Britain and Ireland, efforts are being made to resolve issues.

b) After years of shared misfortune, Britain and Ireland are trying to make amends.

c) Both Britain and Ireland have a tragic past that they are trying to recover from.

d) Britain and Ireland have had bitter enmity and mistrust toward each other but that is now a thing of the past.

Directions for questions 82 to 85 : The passage given below is followed by a set of four questions. Choose the most appropriate answer to each question.

But I wonder how much real attention Dickens's books will get. In America at least, he seems to be an author more known than read. (Find me someone who claims to have read "Martin Chuzzlewit" and I will show you a goddamned liar.) Yet even if you've read only one of his books, his stamp is such that it feels like you've read them all. The virtues that kept him famous, prosperous and never out of print—that he is easily grasped and eternally inventive in his visuals and jokes—have served to make him iconic. His characters, of course, deserve most of the credit. They possess those funny allegorical names, behave just as fixedly, and get thrown into one melodramatic scene after another. But taken as a whole, those 989 characters make up an unforgettable universe of humanity matched only by Shakespeare, whom Dickens worshipped.

George Orwell, in his famous essay on Dickens, pegged the novelist as a cynic who was neither a radical nor an idle bourgeois, but a self-made mystery who unswervingly championed the underdog, typically the working poor. He went on to assert that Dickens's reticence to take a definitive position on class and rights carried over to his characters, who tend to feel unreal. While Orwell claimed he could conduct a conversation with a chap like Leopold Bloom, he held that he couldn't imagine one with any of the folks imagined by Dickens.

The Orwell essay is a long one and is interesting because there is a palpable tension between his obvious love for Dickens and his need to bring a clear, socialist critique to the table, if for no other reason than to prevent Dickens from being 'stolen' by others with their own specious agendas. For example, Orwell couldn't say enough about how amazing Dickens was in writing the way children think, but on the other hand it rankles him that Dickens never talks about actual work and what people do when they're not standing around in some literary scene.

But despite persistent and, to my mind, niggling quarrels that Orwell picks with Dickens, he couldn't bring himself to condemn him. He went on to concede that he couldn't imagine a day when he wouldn't be reminded of a particular Dickensian scene or moment. It is this aspect of Dickens, the sheer scope of the world he created and the widescreen variety of his novels, that is his true legacy. Yes, his novels are of a piece, but when you fit the jigsaw together it's a remarkable picture, whirling and alive. Its intricacies and moving parts far outweighing the surprise coincidences, occasional mawkishness and deus ex machina endings.

Q 82. Which of these best expresses the central theme of the passage?

a) The passage explores why Dickens is an important author and will always be read.

b) The author wants to argue that despite some weaknesses Dickens as a writer is second only to Shakespeare.

c) The passage captures the universal legacy of Dickens' writings.

d) The passage captures the author's analysis of a George Orwell essay on Dickens.

Q 83. All of the following are criticisms of Dickens' novels except:

1. Dickens' novels feature characters that have funny allegorical names.

2. Dickens is too sentimental at times.

3. Dickens' characters' opinion on class and rights is not clear which makes them feel unreal.

4. Dickens' novels feature surprising coincidences.

a) Only 1

b) 1 and 3

c) 2 and 4

d) 2, 3 and 4

Q 84. According to author, what is the most important feature of Dickens' writings?

a) The fact that his writing is easily understood by everybody.

b) The whimsical characters that he created.

c) The inventive visuals and jokes.

d) The complete range and variety of his writings.

Q 85. Which of the following best describes the tone of the passage?

a) Analytical

b) Pedantic

c) Descriptive

d) Nostalgic

Directions for questions 86 to 88: Answer the questions on the basis of the information given below.

Eight friends wearing shirts of eight different colours – Red, Blue, Green, Yellow, Pink, Black, White and Purple – are sitting at a circular table in clockwise order respectively. Their names are Ashish, Bhola, Coral, Deva, Emran, Fardeen, Gopi and Hemant, in no particular order. Each of them is either facing the center of the table or facing exactly the opposite direction away from the center. It is also known that:

(i) Ashish is sitting two places to the right of Emran and Emran is sitting two places to the right of Ashish. Coral and Gopi are not sitting at diametrically opposite positions.
(ii) Emran is sitting three places to the right of Gopi and two places to the right of Hemant.
(iii) Bhola is sitting immediately to the right of Fardeen and Hemant is sitting immediately to the left of Bhola.
(iv) The person sitting two places to the right of Bhola is facing away from the center of the table.
(v) Among the four pairs of friends sitting at diametrically opposite positions, there is just one pair in which the two friends are facing different directions.

Q 86. If Coral is wearing the Yellow shirt and is facing East, then which direction is the person wearing the Red shirt facing?

a) North-West

b) South-East

c) North

d) South

Q 87. If Bhola is wearing the Green shirt and is facing South-West, then which direction is the person wearing the Black shirt facing?

a) North-East

b) South-East

c) North

d) West

Q 88. What is the angle (in degrees) between the direction which Bhola is facing and the direction which Deva is facing?

a) 45

b) 90

c) 135

d) 180

Q 89. The word given below has been used in sentences in four different ways. Choose the option corresponding to the sentence in which the usage of the word is incorrect or inappropriate.

THROW

a) When I bought my motorbike, they threw in free insurance.

b) He loves the new project and has thrown himself into it with great gusto.

c) Shah Rukh Khan has not been able to throw off the romantic hero image.

d) We're not going to throw the towel just because we lost one game.

Q 90. Given below are a few sentences. Identify the sentence(s)/part(s) of the sentence(s) that is/are correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then choose the most appropriate option.

(A) Many a men dated their ruin from some murder or other that perhaps they thought little of at the time.
(B) Afterwards, when fascinated by the man, as you will be, turn immediately to this excellent, detailed and often harrowing biography.
(C) After they had finished the meal they asked the waiter the bill.
(D) By the time she arrives, we will have finished our homework.

a) A and B

b) A and D

c) B and D

d) Only C

Q 91. Given below are a few sentences. Identify the sentence(s)/part(s) of the sentence(s) that is/are correct in terms of grammar and usage (including spelling, punctuation and logical consistency). Then choose the most appropriate option.

(A) Imagine a speck of dust close to a planet a billion times the size of earth. The speck of dust represents the odds in favour of your being born.
(B) The huge planet would be the odds against itself. So stop sweating the small stuff.
(C) Don't be like the ingrate who got a castle as a present and worried about the mildew in the bathroom.
(D) Stop looking at the gift horse in the mouth- remember that you are a Black Swan.

a) A & B

b) A & D

c) C & D

d) C

Q 92. The passage given below is followed by a question. Choose the most appropriate answer to the question.

Why should this absolutely God-given faculty of memory retain so much better the events of yesterday than those of last year, and, best of all, those of an hour ago? Why, again, in old age should its grasp of childhood's events seem firmest? Why should repeating an experience strengthen our recollection of it? Why should drugs,fevers, asphyxia, and excitement resuscitate things long since forgotten? . . . such peculiarities seem quite fantastic; and might, for aught we can see a priori, be the precise opposites of what they are. Evidently, then, the faculty does not exist absolutely, but works under conditions; and the quest of the conditions becomes the psychologist's most interesting task.

Which one of the following can be inferred from the passage?

a) We tend to misunderstand our brains' status quo.

b) The functions of faculty of memory are beyond human comprehension.

c) Psychologists are trying to understand how memory functions.

d)
Psychologists believe that understanding the conditions under which faculty of memory operates is the key to understand this faculty.

Directions for questions 93 to 95: Answer the questions on the basis of the information given below.

IILK organized a 2-day Indian Classical Music Event with three slots on each day. Four artists – Subbu, Kumar, Shankar and Kehsanloy – and three bands – Delhi Sea, GTH and Mitti – performed at the event. In each slot, an artist or a band or a combination of an artist and a band performed. No artist performed alone in the last slot of a day and no band performed alone in the first slot.
Whenever Delhi Sea and Mitti performed, they did it in two successive slots with Delhi Sea performing before Mitti. The number of performances given by Shankar was less than that given by GTH and the last performance of Shankar was held before the first performance of GTH. Subbu performed alone only once during the event and that was in the first slot on the second day. The sum of the number of performances given by Mitti, Kehsanloy and Kumar respectively wasn't a prime number. The total number of performances given by the artists was equal to the total number of performances given by the bands.

Q 93. It is known that Kehsanloy performed in the last slot on both the days. If a combination of an artist and a band performed in two of the slots on the second day, then who performed in the second slot on the first day?

a) Shankar-GTH

b) Shankar-Mitti

c) Mitti

d) Kumar-Mitti

Q 94. If Kumar performed on both the days, then he must have performed with which of the bands?

a) Delhi Sea

b) GTH

c) Mitti

d) Cannot be determined

Q 95. Which of the following statements cannot be true?

a) Kehsanloy and GTH performed in the third slot on the first day.

b) Shankar and Mitti performed in the second slot on the first day.

c) Kumar and GTH performed in the third slot on the second day.

d) None of these

Directions for questions 96 to 98: Answer the questions on the basis of the information given below.

Ten people – Chuck, Berry, David, Gilmour, Eric, Clapton, Jimmy, Page, Kirk and Hammett – live in a building that has six floors numbered 1 to 6 (lowest to highest). Each floor is occupied by at least one of the ten people. If $N(x)$ represents the number of people living on floor x, then $N(1) = N(6) \neq N(3)$ and $N(2) = N(5)$. Also, $N(x) \neq N(x+1)$ for x = 1 to 5. It is also known that:

(i) Both Chuck and Berry live on the floor that is immediately above the floor on which Kirk lives.
(ii) David lives on a higher floor as compared to Clapton, Jimmy and Hammett but on a lower floor as compared to Chuck.
(iii) Gilmour and Page live on the same floor.
(iv) The number of people who live on the floor on which Jimmy lives is equal to that on which Eric lives.

Q 96. What is the difference between the number of people who live on floor 3 and floor 5?

a) 0

b) 1

c) 3

d) 2

Q 97. Who among the following lives on floor 6?

a) Eric

b) David

c) Chuck

d) Gilmour

Q 98. How many people live on a floor higher than the one on which Jimmy lives?

a) 7

b) 5

c) 9

d) 6

Q 99. Given below are five sentences. Each sentence has a pair of words that are italicised. From the italicised words, select the most appropriate words (A or B) to form correct sentences. The sentences are followed by options that indicate the words, which may be selected to correctly complete the set of sentences. From the options given, choose the most appropriate one.

He showed us *grisly (A)/grizzly (B)* photos of the crime scene.

Salman's *last (A)/latest (B)* movie which was released yesterday is a big hit.

The trees cast a big *shade (A)/shadow (B),* so he sat under it.

The vice-president must now take on the *mantle (A)/mettle (B)* of supreme power.

The garden *blazed (A)/braised(B)* with colour.

a) AABAB

b) BBBBA

c) ABBAA

d) BBAAB

Q 100. The word given below has been used in sentences in four different ways. Choose the option corresponding to the sentence in which the usage of the word is incorrect or inappropriate.

SIT

a) My partner just sits and expects things to get done.

b) I was new to the job, so I sat in on the meetings to learn the procedures.

c) He had to sit out most of the matches due to injury.

d) He sat on many committees dealing with environmental issues.