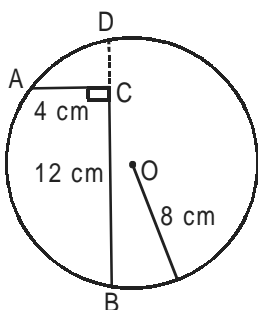


# Unproctored Mock-5 2012

## Section - I

1. The figure given below shows a circle with center  $O$  and radius  $8$  cm.  $BD$  is a chord of the circle and  $A$  is a point on the minor arc  $BD$ .  $C$  is a point on  $BD$  such that  $AC$  is perpendicular to  $BD$ . The length of  $AC$  is  $4$  cm and  $BC$  is  $12$  cm. What is the length (in cm) of  $CD$ ?



- (a) 2                      (b) 4                      (c)  $2\sqrt{\frac{12}{5}}$                       (d)  $\sqrt{\frac{12}{5}}$
2. What is the number of common terms in the two sequences given below?  
 $S_1 \equiv 4, 10, 16, 22, \dots, 562$ .  
 $S_2 \equiv 3, 8, 13, 18, \dots, 573$ .
- (a) 20                      (b) 40                      (c) 36                      (d) 18
3. A merchant marks up the cost of cloth by  $30\%$  and then gives a discount of  $20\%$  on the Marked Price to all his customers. What is his profit/loss percentage in winter when the meter-scale shrinks by  $10\%$  due to cold?
- (a) Profit,  $15.56\%$                       (b) Profit,  $16.67\%$                       (c) Loss,  $16.67\%$                       (d) Loss,  $15.56\%$
4. 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 either statement alone.  
Mark (d) if the question cannot be answered by any of the two statements.

**Q.** In  $x$ - $y$  plane, a circle passes through the points  $(2, 5)$  and  $(-4, 13)$ . What is the equation of the circle?

- A.** The circle passes through the point  $(-10, 21)$ .  
**B.** The radius of the circle is of length  $6$  units.

5. In how many ways can six letters – A, B, C, D, E and F – be written in a circular arrangement such that D is adjacent to B and is diametrically opposite E?  
 (a) 6 (b) 8 (c) 10 (d) 12
6. For how many positive integer values of 'x' is  $|||x - 1| - 2| - 3| - 4| < 5$ ?  
 (a) 10 (b) 14 (c) 4 (d) 15

**Directions for questions 7 to 9:** Answer the questions on the basis of the information given below.

Scientists have recently discovered a new planet and have named it Zeltrion. The inhabitants of Zeltrion are called Vulcans. The total land area of Zeltrion is 100,000 km<sup>2</sup>. There are many islands on Zeltrion but the Vulcans are found only on twelve of them. The table given below shows some data regarding these twelve islands.

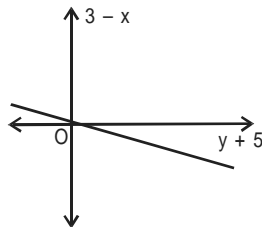
S. No.	Name of Island	Land area of the Island as a percentage of the total land area of Zeltrion	The number of Vulcans living on the Island
1	Andorian	2.5	1,200,000,000
2	Bajoran	1.0	300,000,000
3	Chronian	0.5	150,000,000
4	Delvian	0.5	80,000,000
5	Elerian	4.0	10,000,000
6	Furon	2.0	8,000,000
7	Gran	3.0	200,000,000
8	Halosian	5.0	350,000,000
9	Irken	8.0	250,000,000
10	Jaridian	1.0	50,000,000
11	Klingon	1.5	30,000,000
12	Luxan	1.0	20,000,000

$$\text{Population Density of an Island} = \frac{\text{The number of Vulcans living on the Island}}{\text{The total land area of the Island (in km}^2\text{)}}$$

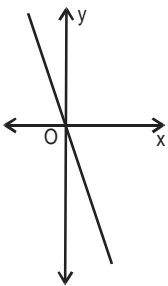
Each of the twelve islands is given a Density Rating based on the criteria given below.

- (i) The islands with Population Density of more than or equal to 10<sup>5</sup> Vulcans/km<sup>2</sup> are given a Density Rating of 1.
- (ii) The islands with Population Density of more than or equal to 10<sup>4</sup> Vulcans/km<sup>2</sup> but less than 10<sup>5</sup> Vulcans/km<sup>2</sup> are given a Density Rating of 2.
- (iii) The islands with Population Density of less than 10<sup>4</sup> Vulcans/km<sup>2</sup> are given a Density Rating of 3.
7. In how many islands is the Population Density more than 70,000 Vulcans/km<sup>2</sup>?  
 (a) 5 (b) 6 (c) 3 (d) 4
8. How many islands are given the Density Rating of 3?  
 (a) 1 (b) 2 (c) 3 (d) 4

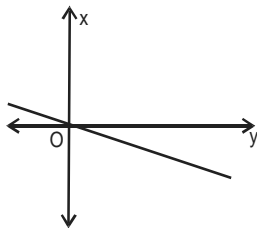
9. The Population Density of how many islands is more than that of Gran?  
 (a) 5 (b) 4 (c) 2 (d) 3
10. For how many real values of 'x' is  $\log_x \log_4 \log_3 \log_9 27^{x^2-2x+6} = 0$ ?  
 (a) 1 (b) 3 (c) 0 (d) 2
11. The graph of '3 - x' against 'y + 5' is as shown below. (All the graphs in this question are drawn to scale and the same scale has been used on each axis.)



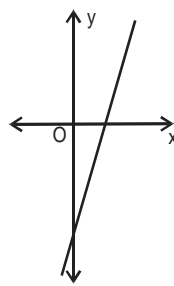
Which of the following shows the graph of y against x?



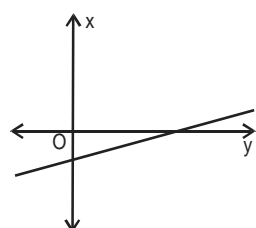
(a)



(b)



(c)



(d)

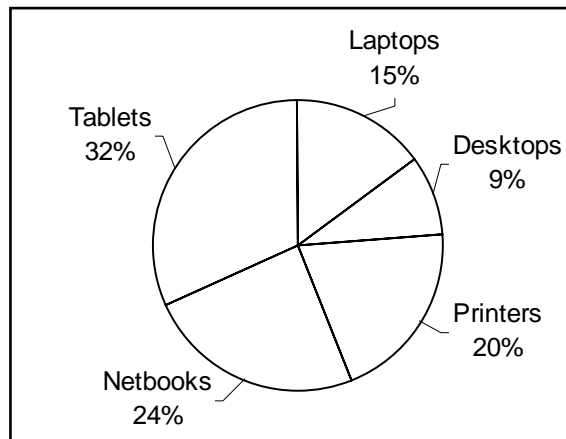
12. The roots of  $x^2 + 3x + c = 0$  are  $\alpha$  and  $\beta$  while the roots of  $x^2 + 21x + d = 0$  are  $\beta$  and  $\gamma$ . If  $\alpha$ ,  $\beta$  and  $\gamma$  are in Arithmetic Progression, then what is the value of  $\frac{c}{d}$ ?

- (a)  $\frac{3}{2}$  (b)  $\frac{1}{4}$  (c)  $-\frac{1}{5}$  (d) -4

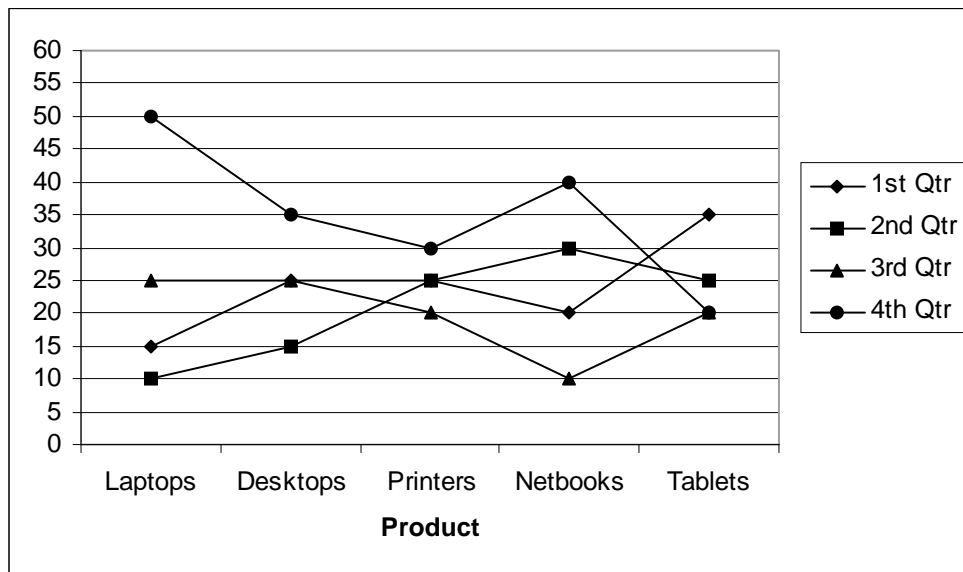
13. Arjun and Bheem are standing at point A on a circular track with circumference 300 m. Cherry is standing at point B which is diametrically opposite point A on the track. All three of them start running simultaneously on the track; Arjun and Cherry run in clockwise direction at 3 m/s and 4 m/s respectively while Bheem runs in anticlockwise direction at 5 m/s. After how much time from the start will Cherry be equidistant from Arjun and Bheem for the first time?  
 (a) 25 s (b) 30 s (c) 50 s (d) 60 s
14. The question given below is followed by two statements, A and B. Mark the answer using the following instructions:  
 Mark (a) if the question cannot be answered even by using both the statements together.  
 Mark (b) if the question can be answered by using one of the statements alone, but cannot be answered by using the other statement alone.  
 Mark (c) if the question can be answered by using either statement alone.  
 Mark (d) if the question can be answered by using both the statements together, but cannot be answered by using either statement alone.
- Q.** At the time of Shyam's birth, the difference between the ages of his mother and his only sister Leela was equal to the difference between the ages of his father and his mother. The present age of Shyam is the same as the age of his mother at the time of his birth. If Shyam's father is older than Shyam's mother, then what is the present age of Shyam's father?  
**A.** Shyam's father is 40 years older than Leela.  
**B.** Shyam's mother was 20 years old when Leela was born.
15. How many numbers are there between 0 and 500 which when divided by 3, 4, 6 and 8 leave remainders 1, 2, 4 and 6 respectively?  
 (a) 10 (b) 20 (c) 21 (d) None of these
16. In triangle ABC,  $AB = 4$  cm,  $BC = 3$  cm and  $AC = 5$  cm. Points D and E are chosen on AB and AC respectively such that  $\angle BDC = \angle ACB$  and  $\angle BEC = \angle ABC$ . What is  $\frac{AD}{AE}$ ?  
 (a)  $\frac{9}{16}$  (b)  $\frac{35}{64}$  (c)  $\frac{9}{25}$  (d)  $\frac{3}{4}$

**Directions for questions 17 to 19:** Answer the questions on the basis of the information given below.

Bell Electronics sells only five products – Laptops, Desktops, Printers, Netbooks and Tablets. The pie chart given below shows the percentage contribution of each product in the total revenue of Rs. 500 crores generated by Bell Electronics in the fiscal year 2010-11.



For analysing the data, the fiscal year 2010-11 was divided into four quarters (Qtr) of three months each. The line graph given below shows the quarter-wise percentage break-up of the total revenue generated by each product in the fiscal year 2010-11.



17. Which product generated the maximum revenue in the 3<sup>rd</sup> quarter of the fiscal year?  
(a) Laptops (b) Printers (c) Desktops (d) Tablets
18. In which quarter was the revenue generated by Laptops equal to the revenue generated by Desktops?  
(a) 1<sup>st</sup> (b) 2<sup>nd</sup> (c) 3<sup>rd</sup> (d) 4<sup>th</sup>

19. What was the ratio of the revenue generated by Printers in the 2<sup>nd</sup> quarter to the revenue generated by Laptops in the 4<sup>th</sup> quarter?  
(a) 2 : 1 (b) 2 : 3 (c) 3 : 2 (d) None of these
20. How many four-digit even numbers are there which have 0 and 1 as two of the digits and the remaining two are distinct digits among 2, 4 and 6?  
(a) 42 (b) 36 (c) 38 (d) 30
21. An equilateral triangle is formed by joining three vertices of a regular hexagon. What is the ratio of the area of this equilateral triangle to the area of the hexagon?  
(a) 3 : 8 (b) 1 : 2 (c) 1 : 3 (d) 4 : 3
22. In how many different ways can a cube be painted if each face has to be painted either red or blue?  
(a) 20 (b) 16 (c) 12 (d) 10
23. Amit wrote down the squares of first 'n' natural numbers in his notebook. He then erased one of the numbers written by him and found that the sum of the numbers remaining on the notebook was 1432. The square of which of the following numbers was erased by Amit?  
(a) 1 (b) 4 (c) 6 (d) 8
24. The H.C.F. of a, b and c is 8. If  $a - b = b - c = 8$  and the L.C.M. of a, b and c is a four-digit number, then what is the maximum possible value of c?  
(a) 80 (b) 88 (c) 96 (d) 100

**Directions for questions 25 and 26:** Answer the questions on the basis of the information given below.

The following paragraph gives some data about the population and the literacy rate of a country called Noland. The country has been divided into two parts – Rural Noland and Urban Noland – for doing some demographic studies.

Half of the total population of Noland lives in Rural Noland and the remaining half lives in Urban Noland. The number of males in Noland is 20% more than the number of females in Noland. Four out of every five females in Noland are literate. Two-third of the total illiterates of Noland live in Rural Noland. The number of literate males in Noland is four times the number of illiterate females in Noland. The number of illiterate males in Urban Noland is equal to the number of illiterate females in Urban Noland. The ratio of the number of literate females in Rural Noland to the number of illiterate females in Rural Noland is 2 : 1.

25. What is the ratio of the number of literate males in Rural Noland to the total number of females in Urban Noland?  
(a) 1 : 2 (b) 3 : 4 (c) 5 : 7 (d) 5 : 6
26. The number of literate females in Rural Noland is 1000 less than the number of literate females in Urban Noland. What is the population of Noland?  
(a) 5,000 (b) 4,800 (c) 5,500 (d) 3,600

27. Ashish, Binay and Joseph can do a job in 20, 30 and 40 days respectively. The three started the job together; Ashish left the job 4 days before it was completed and Binay left the job 3 days before it was completed. In how many days was the job completed?  
 (a) 14 (b) 12 (c) 16 (d) 15
28. A bookseller sells only three books – A, B and C – on Sundays and their Selling Price are in the ratio 2 : 3 : 4 respectively. The bookseller makes 40%, 30% and 20% profit on selling A, B and C respectively. If the bookseller made an overall profit of 30% on a Sunday when he sold at least one copy of each of the three books, then which of the following statements is definitely true regarding that day?  
 (a) The number of copies of A sold was the same as the number of copies of C sold.  
 (b) The number of copies of A sold was more than the number of copies of C sold.  
 (c) The number of copies of A sold was less than the number of copies of C sold.  
 (d) None of these
29. In how many ways can the letters of the word MELANCHOLY be arranged such that E appears before A and A appears before O?  
 (a)  $\frac{10!}{3!2!}$  (b)  $\frac{7!3!}{2!2!}$  (c)  $\frac{7!3!}{3!2!}$  (d)  $\frac{10!}{2!2!}$
30. The sum of the coefficients of the polynomial  $(x - 1)^6(x - 2)^4 + (x - 2)^5(x + 1)^6 + (x + 1)^2(x + 2)^3$  is  
 (a) -8 (b) 0 (c) 32 (d) None of these

## Section - II

**Directions for questions 31 and 32:** The passage given below is followed by a set of two questions. Choose the most appropriate answer to each question.

In the story "Indian artists to boycott major show in Israel", my views have been presented in a way that completely belies my life-long career in art based on the conviction that art and politics (and most certainly culture and politics) are interlocked in complex ways. And that artists can make a significant contribution to ongoing history through protests, boycotts, refusals, and direct address within and beyond their art practice.

Some bare facts: I signed the Palestine Campaign for the Academic and Cultural Boycott of Israel in 2010, which makes my stand against the state of Israel/in support of the Palestinian cause, self-evident. Added to that, I am not invited to show in the forthcoming exhibition of Indian art in Tel Aviv, so there cannot be even a remote reason for me to renege or prevaricate on the issue of a boycott.

Even if artists who were invited by the curators did not refuse this invitation right away, a subsequent campaign could make them reflect on their decision. Pushpamala N.'s initiative could, and should, provoke artists to explore and extend and revise their political position and related action.

Each one of us will respond to a greater or lesser degree to a historical moment, a place, a movement, to express our solidarity. But one does not need to recount at every point all the ills that beset the world's nation-states and thus cancel every political call on that basis.

I further believe that a political position of any complexity allows artists to use imaginative and intellectual resources in their mode of political intervention: protests and boycotts, open letters in the press, to the state, to the institution concerned, an artist's statement through the work and as a textual support to be displayed or published in the catalogue.

31. A suitable title to the passage would be
- (a) The emergence of Art and Politics
  - (b) Art and Politics: A Symbiosis
  - (c) Art and Politics: Merged
  - (d) Art's Contribution to Politics
32. Which one of these has not been mentioned as a means by which art can contribute to politics?
- (a) An artist's ideology brought forth through his work.
  - (b) An artist's boycott of an event that reflects an opposing political belief.
  - (c) An artist's narration of all political problems that keep him away from political events.
  - (d) An artist's written contribution to a cause.



33. 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. The guy who is throwing out the garbage offers customers a cup of water.  
B. It's not all those quirky British sandwiches, thin and understated with ingredients like free-range egg mayonnaise and avocado-and-pine-nut filling.  
C. The manager swings by to commiserate about the sweltering weather.  
D. No, it's the employees.  
E. The cashier is asking New Yorkers how they are doing - and genuinely seems to want an answer.

(a) AECBD                      (b) BEACD                      (c) ECABD                      (d) BDEAC

34. 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. If that is not enough to energize the White House, here are a few more facts.  
B. For all of the talk of "big government," there is no way to cut that much in discretionary programs without crippling basic functions.  
C. To avoid across-the-board cuts, Congress must enact at least another \$1.2 trillion in deficit reduction measures over the 10 years.  
D. Lawmakers could eliminate the Federal Bureau of Investigation, the Centers for Disease Control and Prevention, the National Institutes of Health and Head Start and still not cut \$110 billion annually.  
E. According to the latest CBS News Poll, 63 percent support raising taxes on households that earn more than \$250,000 a year to help address the deficit.

(a) EABDC                      (b) EACBD                      (c) ACBDE                      (d) AECBD

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

Sure, at times we Indians get frustrated with the functioning of our ..... state and its ..... institutions, but it would be naïve to believe that we cherish our freedoms any less than someone living in a Western democracy.

(a) amoral; paroxysmal                      (b) callous; wobbly  
(c) apathetic; vacillating                      (d) ribald; quavering

**Directions for questions 36 to 38:** Answer the questions on the basis of the information given below.

Four security officers – Andrew, Joseph, Parry and Lucas – were responsible for guarding the Kohinoor diamond during a 1-day exhibition held recently. The exhibition started at 10 a.m. and finished at 5 p.m. The officers operated in 1-hour shifts and at least one officer guarded the diamond in each of the seven shifts. None of the officers operated in two consecutive shifts and none of them joined or left a shift midway. It is also known that:

- (i) Andrew operated in exactly four shifts.
- (ii) Two officers were operating at 12:40 p.m. One of the two was Joseph.
- (iii) Parry operated in exactly three shifts. He was operating at 01:20 p.m.
- (iv) Lucas operated in exactly two shifts and he operated alone in both of them.
- (v) Each of the four officers operated in at least two shifts. Joseph and Parry never operated together in any of the shifts.

36. In how many shifts did Joseph operate?  
(a) 4 (b) 2 (c) 3 (d) 5
37. How many shifts were there in which just one of the four officers operated?  
(a) 2 (b) 3 (c) 4 (d) Cannot be determined
38. At what time did Joseph leave for his home if it is known that he left immediately after his last shift ended on the day of the exhibition?  
(a) 3 p.m. (b) 5 p.m. (c) 4 p.m. (d) 2 p.m.
39. 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*.

**Hack**

- (a) He has been hacking around all day and not studying for his exam.
  - (b) The US was alerted of a major terror strike after it hacked into the email account of a suspected terror group.
  - (c) His reputation was hacked for bits.
  - (d) The best way would be to hack up that piece of wood so it can fit in the truck.
40. 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*.

**Hang**

- (a) He hangs about with people much older than him.
- (b) She has managed to hang it up and pull through despite all the challenges faced.
- (c) He hung a left at the wrong corner.
- (d) I need a career to hang my hat on.

41. 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*.

**Opt**

- (a) Once you opt in for interiors in this design institute it will be difficult for you to change track later in your profession.  
(b) MPs hoped to reverse Britain's opt-out from the treaty.  
(c) After a few moments of indecision, he opted for the black car.  
(d) When he realized the risks involved he decided to opt out of the chit fund.
42. 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 either statement alone.  
Mark (d) if the question cannot be answered by any of the two statements.

**Q.** Four friends – Ram, Raheem, Shyam and Shameem – are standing in a row in the descending order of their heights, not necessarily in the given order. Raheem is standing adjacent to Shameem and Shyam is standing at one of the ends of the row. Who is the shortest among the four?

- A.** Shameem is shorter than Shyam and Ram is standing at one of the ends of the row.  
**B.** Exactly one person is standing between Shyam and Shameem.

**Directions for questions 43 to 45:** The passage given below is followed by a set of three questions. Choose the most appropriate answer to each question.

Nevertheless, Dumont's magnum opus remains his *Homo hierarchicus* published in French in 1967 (1970 and 1972 for the English translations). It is an impressive synthetic work with a strong theoretical background, in which the author presented his understanding of the Indian caste society as a whole. According to Dumont, people were ascribed an unequal status from birth and ranked from the Untouchables (who did not then call themselves Dalits) at the bottom to the Brahmins at the top according to the degree of purity attached to each caste collectively as well as to each individual.

After this publication, Dumont distanced himself from the sociology of India, feeling that he had achieved what he wanted to say on the caste system. He started a new field of research that dealt with the genesis of the modern individualism grounded on an egalitarian basis, which he contrasted with the unequalitarian caste system. It was the subject of his *Homo aequalis* (1977), followed by *Essays on individualism* (1983), and *German Ideology: From France to Germany and Back* (1991). However, these works belonged to the traditional history of political and philosophical ideas and have no empirical grounding.

Dumont's oeuvre has been discussed and debated by anthropologists in Europe as well as in India. His sociological interpretation of the caste system is both widely acclaimed and highly criticised. The most radical criticism emphasised that Dumont's brilliant analysis of the caste system is taken from a dominant internal viewpoint, whether from its priests (Brahmins) or its princes (Kshatriya), which is well expressed in and legitimised by the classical Sanskrit texts that Dumont widely used. From a sociological point of view,

however, scholars need to question, first, the social conditions of the production of these representations that cannot be taken for granted, and, second, their social usages. The relations of power and domination that structure the Hindu caste system, which are partly denied from a textual viewpoint (and this, of course, cannot be ignored), have to be clearly recognised and analysed. Furthermore, the comparative sociology that Dumont developed was quite often reduced to a binary opposition between individualism and holism, or to a radical confrontation between the equalitarian West and the hierarchical traditional pre-modern societies, like India, towards which the anthropologist publicly confessed to having a nostalgic inclination.

Nevertheless, the Indian part of his oeuvre stands for a rare coherent sociological enterprise that cannot be ignored or brushed away if one wants to understand the social making of contemporary India.

43. The style of the passage is  
(a) discursive (b) narrative (c) analytical (d) theoretical
44. Which of the following can be inferred from the passage?  
(a) Dumont strongly disagreed with the caste system in India.  
(b) Dumont strongly agreed with the caste system in India.  
(c) Dumont had an inclination towards hierarchical traditional pre-modern societies.  
(d) None of the above
45. Which of the following can be inferred from the passage?  
(a) Dumont's magnum opus on the caste system in India was well-received.  
(b) Dumont's magnum opus on the caste system in India was the subject of much deliberation.  
(c) Dumont was not satisfied with his magnum opus on the caste system in India and avoided all future reference to the subject.  
(d) Dumont's magnum opus was the most brilliant analysis on the caste system in India.
46. 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.

Secrecy *enshrouded* (A) / *ensconced* (B) the Party's central committee.

As the tumour started spreading, his pain got *excruciated* (A) / *exacerbated* (B).

She *titivated* (A) / *titillated* (B) her hair in the mirror.

The workforce has been *pared* (A) / *paired* (B) to the bone.

I want Robert to evaluate the *efficacy* (A) / *effeminacy* (B) and safety of the treatment.

- (a) AAABB (b) ABAAA (c) BBAAB (d) BBBBA

47. 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.

The Queen laid a *wreathe* (A) / *wreath* (B) at the war memorial.

After that lengthy *exegesis* (A) / *exigency* (B), it's unclear whether the skeptics are gilding the lily or just protesting too much.

We went sailing on the secluded lake in a little two-person *dingy* (A) / *dinghy* (B).

How can we best understand and *explicate* (A) / *expiate* (B) 'King Lear'?

He *enuniated* (A) / *emanated* (B) his vision of the future.

(a) ABAAB

(b) AAABA

(c) BABAA

(d) BABBB

**Directions for questions 48 to 50:** Answer the questions on the basis of the information given below.

Each of the five students – Ashish, Bimal, Coral, Disha and Eshan – gave a presentation on each of the five topics – Corruption, Terrorism, Globalisation, Human Cloning and Business & Ethics – in a week starting on Monday and ending on Friday. Exactly five presentations were given on each of the five days, no two of which were on the same topic. No student gave more than one presentation on any of the five days. It is also known that:

- (i) Coral gave a presentation on Globalisation on Tuesday.
  - (ii) Eshan gave a presentation on Human Cloning on Monday.
  - (iii) Ashish gave a presentation on the same topic on Monday on which Disha gave a presentation on Friday. The topic was not Globalisation.
  - (iv) Bimal gave a presentation on Corruption, Terrorism and Human Cloning on Monday, Wednesday and Friday respectively.
  - (v) Disha gave a presentation on Business & Ethics on Wednesday. She didn't give a presentation on Corruption on Thursday.
  - (vi) Coral gave a presentation on the same topic on Monday on which Ashish gave a presentation on Friday.
48. On which day of the week did Ashish give a presentation on Corruption?  
(a) Tuesday                      (b) Wednesday                      (c) Thursday                      (d) None of these
49. On which topic did Eshan give a presentation on Thursday?  
(a) Business & Ethics                      (b) Globalisation  
(c) Corruption                      (d) Terrorism
50. Which of the following statement(s) is/are correct?  
I. Coral and Disha gave a presentation on Corruption on Friday and Tuesday respectively.  
II. Ashish and Eshan gave a presentation on Human Cloning and Terrorism respectively on Tuesday.  
(a) Only I                      (b) Only II                      (c) Both I and II                      (d) Neither I nor II

51. 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.

Take it from Jeff Gardner, who received an \$11,000 bill from Verizon after spending four days in Jamaica. Before the trip, Mr. Gardner, who runs a fly-fishing business in Grayling, said he called Verizon to find out what it would cost to use his cell phone for calls and his wireless air card to check e-mail on his laptop while in the Caribbean. He said he was told that calls would be about \$2 a minute and that there would be no extra charges for data as he was on an unlimited plan.

- (a) It's hard not to feel ripped off when you get hit with unexpected roaming charges.
  - (b) One in six mobile users have experienced "bill shock" from unanticipated roaming charges or other confusing fees.
  - (c) The Verizon bill said more than 5 GB of data was transferred while he was in Jamaica.
  - (d) The latter part turned out to be wrong.
52. 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.

The life of Man, viewed outwardly, is but a small thing in comparison with the forces of Nature. The slave is doomed to worship Time and Fate and Death, because they are greater than anything he finds in himself, and because all his thoughts are of things which they devour. But, great as they are, to think of them greatly, to feel their passionless splendor, is greater still. And such thought makes us free men; we no longer bow before the inevitable in Oriental subjection, but we absorb it, and make it a part of ourselves.

- (a) Abandon the struggle for private happiness and expel all eagerness of temporary desire.
  - (b) This liberation is brought into effect by a contemplation of fate.
  - (c) Wherever a spark of the divine fire kindled in their hearts, we were ready with encouragement.
  - (d) Brief and powerless is Man's life and sure falls on him a doom pitiless and dark.
53. 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.

The moviemakers are getting top-level access to the most classified mission in history from an administration that has tried to throw more people in jail for leaking classified information than the Bush administration. It was clear that the White House had outsourced the job of manning up the president's image to Hollywood when Boal got welcomed to the upper echelons of the White House.

- (a) The Sony film will no doubt reflect the president's cool, gutsy decision against shaky odds.
- (b) The White House is counting on the big-screen version of the killing of Bin Laden to counter Obama's deteriorating image.
- (c) The movie is perfectly timed to give a home-stretch boost to the campaign that has grown tougher.
- (d) Obama is going for that "Mission Accomplished" glow.

**Directions for questions 54 to 57:** The passage given below is followed by a set of four questions. Choose the most appropriate answer to each question.

One word is missing in the American debate over the debt crisis: austerity. It's a revealing absence. In spite of the vast deficit, and despite the U.S. being the home of individualism, no way is being offered for individuals to make a difference by changing their lifestyles.

In the U.K., we've become familiar with talk of the "new age of austerity." Politicians of both left and right use the expression to frame the narrative about the cuts we're now facing. While both sides "warn" about this coming era, austerity is not negative in the British psyche. Here, associations with wartime soften it. Austerity is associated with personal changes which benefited society and made sense to people who learned to tackle wastefulness, to "make do and mend." Long before the current cuts, austerity was making a comeback here, associated with the environmental issues of recycling, cutting consumption and reducing our carbon footprint. Indeed, the New Economics Foundation recently launched the New Home Front, arguing that wartime lifestyles are positive models for reducing our environmental impact. When we think growing our own vegetables, staycations rather than vacations, cycling rather than driving, it has a fashionable appeal.

Not so in the U.S. In the five months I spent there earlier this year, I never heard the word austerity in political discussion. The Republican discourse is all about how the government is spending too much. The government must tighten its belt. There was nothing about individuals living beyond their means.

Yet the U.S. deficit is founded on overconsumption, made possible by too much consumer credit and, less well recognised, too much environmental credit. In the current war of words in Congress, there are no references to the immoral lending that encouraged people who could not afford it to invest in the American dream. That's what led to the property crash and the financial crisis. That has disappeared totally from political argument. From individuals I heard nothing about the need for prosperous people to change their ways. There are, of course, many worthy "green shoots," such as the "locavore" movement or the "greening the campus" initiative at the university I was visiting, where a newly appointed sustainability officer tries to cut energy use. But people like him have their work cut out. The whole of the east coast and the rust belt are vast, shocking landscapes to which many Americans seem oblivious.

This is a society which has lived not just beyond its economic means but beyond its environmental ones too as the hundreds of miles of abandoned buildings, abandoned cars, and endless highways bear witness to.

Yet the American dream survives. You're either in it, or out of it. Being out means destitution. Individual lifestyles are boom or bust. In the U.K. I know many people who reject consumerism, getting involved in poorly paid environmental or political work. We regard them as rather honourable. In the U.S., if you don't have money you don't count.

54. What is the central idea of the passage?
- (a) To discuss the American and the British way of life and to emphasize the need for austerity measures in the former.
  - (b) To discuss the American way of life and to emphasize on the importance of individual austerity measures.
  - (c) To discuss the real costs of the American way of life and the need for individuals to bring in austerity measures.
  - (d) To discuss the real costs of the American way of life and the need for individualistic austerity measures.

55. It can be inferred that the author approaches the lack of American austerity with  
 (a) disdain (b) condescension (c) criticism (d) despair
56. According to the passage, all of these are associated with the British sense of austerity except for  
 (a) the British take up work that is considered honorable.  
 (b) the British are not disapproving of austerity measures.  
 (c) the British associate austerity with environmental issues.  
 (d) the British tackle wastefulness with the idea of "make do and mend".
57. Which of the following *cannot* be inferred from the passage?  
 (a) The American society is living beyond its means.  
 (b) The author is concerned about the Americans misusing their environmental resources.  
 (c) Availability of credit has encouraged Americans to spend beyond their means.  
 (d) None of the above
58. 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 either statement alone.  
 Mark (d) if the question cannot be answered even by using both the statements together.

**Q.** Ankit, Binay and Chintu have different ages and they play different sports among Cricket, Tennis and Football. The youngest among the three does not play Tennis. Chintu is not the oldest among the three. Who among the three plays Football?

**A.** Ankit plays Cricket.

**B.** Ankit is not the oldest among the three.

**Directions for questions 59 and 60:** Answer the questions on the basis of the information given below.

There are four friends – Akansh, Nakul, Phalguni and Sharad. Two of them were born in Delhi, one was born in Mumbai and one was born in Kolkata. It is also known that:

- (i) Nakul was not born in Mumbai.
- (ii) Sharad was not born in Kolkata.
- (iii) Phalguni and Akansh were born in different cities.
- (iv) If Sharad was born in Mumbai then Akansh was not born in Kolkata.
- (v) If Phalguni was born in Kolkata then Sharad was not born in Mumbai.
- (vi) If Nakul was born in Kolkata then Akansh was not born in Delhi.
- (vii) If Akansh was born in Kolkata then Sharad was not born in Delhi.
- (viii) If Phalguni was born in Delhi then Akansh was not born in Mumbai.

59. In which city was Phalguni born?  
 (a) Delhi (b) Mumbai (c) Kolkata (d) Cannot be determined
60. In which city was Akansh born?  
 (a) Delhi (b) Mumbai (c) Kolkata (d) Cannot be determined