

Name _____

Enrollment ID: _____

INSTRUCTIONS

1. **DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.**
2. Fill in the information required on the answer sheet. Your test may not be evaluated if the required details are not entered on the answer sheet.
3. **This booklet consists of three sections A, B and C with 30, 35 and 35 questions respectively, i.e. a total 100 questions.** You will be given **two hours** to complete the test. Each question carries 1 mark. If there is a problem with your test booklet, immediately inform the invigilator/supervisor. You will be provided with a replacement.
4. You are required to answer questions from all three sections and expected to maximize scores in each section.
5. Each question has five alternatives. Answer each question by darkening the appropriate alternative letter against the question number on the answer sheet. For example if your answer to question number 1 is 'B', darken fully the circle 'B' against question 1.
6. All answers are to be marked only on the (OMR) answer sheet. Use the margin in the test booklet for rough work. No other piece of paper is permitted to be used for rough work.
7. Use only HB pencil.
8. **NEGATIVE MARKS (one fourth of a mark) may be deducted for the first six incorrect answers in each section and 0.5 (half a mark) for each incorrect answer thereafter.**
9. Failure to follow instructions and examination norms will lead to disqualification.

PLEASE WAIT FOR THE SIGNAL TO OPEN THE TEST BOOKLET

BEST OF LUCK!



Space for rough work

SECTION A : ANALYTICAL REASONING AND DECISION MAKING

Question No. 1-4 : Each of the six friends Jeff, Buckley, Nick, Drake, Mark and Kozelek hosted a party on a different day from May 1 to May 6 (not necessarily in that order). Each party was attended by exactly 5 friends including the host. This was because from May 1 to May 6, on each day exactly one of the 6 friends (who did not attend the party on that day) had to leave town for some work. Further information is given below (the data given below and in the questions that follow deals with these 6 friends only and talks about the days from May 1 to May 6 of the same year only):

1. Each friend was out of town on exactly one of the given six day.
 2. If 'X' was out of town on the day 'Y' hosted a party then 'Y' definitely attended the party hosted by 'X'. This is true in any case where 'X' and 'Y' are any two friends out of the six.
 3. One among Jeff and Buckley missed the party on May 1 and the other on May 5.
 4. Nick hosted a party on May 6.
 5. Mark hosted a party, which Nick could not attend, on May 3. The next day Mark had to leave the town.
 6. Kozelek could not attend the party hosted by Buckley. Kozelek did not host his party before Drake.
 7. Buckley was in town for 5 consecutive days.
1. Between the six friends who was out of town on May 2?

- A. Kozelek
- B. Jeff
- C. Drake
- D. Buckley
- E. Cannot be determined

2. The date on which Jeff hosted a party was -

- A. May 1
- B. May 2
- C. May 4
- D. May 5
- E. Cannot be determined

3. Between May 1 and May 6 how many friends had hosted a party before Drake?

- A. 0
- B. 1
- C. 3
- D. 4
- E. Cannot be determined

4. Who did not attend the party hosted by Nick?

- A. Buckley
- B. Drake
- C. Mark
- D. Jeff
- E. Cannot be determined

Questions No. 5-8: Read the information carefully and answer the questions that follow.

- I. Each of the five persons namely, Reema, Sneha, Ronnie, Ramesh and Kriti live in a different colony, which is one or the other of the five colonies namely A, B, C, D and E. There are five ranks: Rank 1, Rank 2, Rank 3, Rank 4 and Rank 5. All these colonies are given one or the other of these given five ranks. The native states of each persons is different, which is one or other of the five states named Rajasthan, Gujarat, Sikkim, Karnataka and Calcutta, not necessarily in the given order.
- II. Colony E was ranked one less than the colony where the person who belongs to Sikkim, lives. Colony A has a higher ranking than the colony where Kriti lives. Only one colony is ranked 5. Ramesh's native state is Gujarat but he does not live in colony B. Reema, whose native place isn't Sikkim, lives in colony A.
- III. One who belongs to Rajasthan lives in colony C. Colony B is ranked 5. Sneha's native place is not Calcutta. One who belongs to Karnataka and Ronnie lived in the colonies ranked 4. Only one colony is ranked 3 and all other colonies are ranked either 4 or 5. Colony D is not ranked 3.

5. Ramesh who belongs to Gujarat may live in
 - A. Colony A which was ranked 5.
 - B. Colony D which was ranked 5.
 - C. Colony C which was ranked 4.
 - D. Colony E which was ranked 4.
 - E. Colony A which was ranked 4.
6. Kriti lives in
 - A. Colony C.
 - B. Colony E.
 - C. Colony B.
 - D. Colony D.
 - E. Colony A.
7. The person who belongs to Sikkim is
 - A. Reema who lives in colony E.
 - B. Sneha who lives in colony B.
 - C. Kriti who lives in colony D.
 - D. Ronnie who lives in colony D.
 - E. Reema who lives in colony A.
8. Which of the following is the correct combination of names and their native places written in parentheses alongside each name?
 - A. Ramesh (Gujarat), Reema (Karnataka), Kriti (Calcutta).
 - B. Kriti (Calcutta), Reema (Sikkim), Ronnie (Karnataka).
 - C. Ronnie (Sikkim), Sneha (Rajasthan), Ramesh (Gujarat).
 - D. Ramesh (Gujarat), Ronnie (Sikkim), Reema (Rajasthan).
 - E. Ronnie (Calcutta), Kriti (Rajasthan), Sneha (Sikkim).

Question No. 9-12: There are six zoos named A, B, C, D, E and F in a particular state in India. Out of the four different types of animals viz. elephant, tiger, lion and monkey, one or more than one type of these animals were present in each of these six zoos. No other type of animals were present in these zoos. Each of the three persons named Bindu, Raju and Kamaal visited at least three of these six zoos and none of the given six zoos were visited by all these three persons. The number of elephants in any zoo is

either zero or two. This holds true for other three types of animals as well.

Further, it is known that:

1. The sum of the number of zoos visited by these 3 persons were 12 and there was exactly one zoo that was visited by both Bindu and Kamaal.
2. No zoo visited by Raju had lions present in it.
3. The zoos A and D were not visited by Kamaal and the total number of animals present in these two zoos were 6 each.
4. Zoo C had a total of 4 animals, out of which two were lions and the rest were elephants.
5. The total number of elephants and the total number of animals in these six zoos were 6 and 22 respectively.
9. The total number of zoos visited by Raju were
 - A. 6
 - B. 4
 - C. 5
 - D. Either (A) or (C)
 - E. Cannot be determined.
10. If the total number of monkeys in the zoos visited by Kamaal were 0, then the total number of monkeys in all the six zoos could be
 - A. 4
 - B. 6
 - C. 8
 - D. Either (A) or (B)
 - E. Cannot be determined
11. Which of the following cannot be true?
 - A. Total number of monkeys in all the given six zoos were 10.
 - B. Total number of monkeys were equal to the total number of tigers in all the given six zoos.
 - C. Total number of elephants were equal to the total number of tigers in all the given six zoos.
 - D. Kamaal visited the zoos B, E and C.
 - E. None of the above

12. Out of the given six zoos, how many were visited by exactly one of the given three persons?

- A. 0
- B. 1
- C. 2
- D. 3
- E. Cannot be determined

Question No. 13-17: In a game, "words" (meaningful or meaningless) consists of any combination of six to eight letters of the English alphabets. All letters in a "word" have to be distinct. A "sentence" consists of exactly six words and satisfies the following conditions:

Out of the six words, exactly five consecutive words from left to right on a straight line are in the same sequence as they would appear in an English dictionary. The sentence can start with any word, and successive word is formed by applying exactly one of the three operations to the preceding word: add a letter, swap the places of two already present letters, delete a letter. None of the three operations is applied more than thrice in a sentence. At most three of the six words can begin with the same letter.

13. Which one of the following could be a sentence in the word game?

- 1. Kmonpl kmnopl pmnokl pmnoklt pmoklt lmokpt
- 2. Kmonpl kmnopl pmnokl pmnoklt pmoklt tmoklp
- 3. Kmnpol kmnoplz pmnoklz pmnoklzt pmoklzt tmoklzp

- A. Only 1
- B. Only 2
- C. Only 3
- D. 1, 2 and 3
- E. None

14. In the word game, if the first five words of a sentence are in alphabetical order (from left to right on a straight line) and if the second and the fourth word are 'hjiklso' and 'ojiksh' respectively, then which of the following could be the third word in the sentence?

- A. ojiklsh
- B. hjikso
- C. hjisklo
- D. Either (A) or B)
- E. None of the above

15. Find the missing seven letter word in the following sentence (as per the rules of the word game) - Najdfo najdfok oajdfnk _____ oakdnj poakdnj

- A. oajdknf
- B. oakdjnf
- C. oajdnk
- D. oakdfnj
- E. The given sentence is invalid

16. In the word game, in a sentence a word starting with the letter 'o' has to be formed by the operation where two letters are swapped and this word immediately follows the word 'oajdfnk'. How many such words are possible, if these two words have to be in alphabetical order (from left to right on a straight line)?

Assume that there is no other word starting with 'o' in the sentence.

- A. $6! - 1$
- B. $6! - 5! - 4! - 1$
- C. 17
- D. 6
- E. 12

17. In the word game, in a sentence a word starting with the letter 'o' has to be formed by the operation where a letter is added and this word immediately follows the word 'oajwxyz'.

How many such words are possible, if these two words have to be in alphabetical order (from left to right on a straight line)?

Assume that there is no other word starting with 'o' in the sentence.

- A. 10
- B. 20
- C. 120
- D. 50
- E. 100

Question No. 18-20: Eight different soaps viz. A, B, C, D, E, F, G and H are aired on a TV Channel every Monday such that only one soap is aired at a time. Assume that these are the only eight soaps that are aired every Monday and each of these programme is aired only once every Monday. Further, it is known that:

- I. D is aired sometime after E and there is exactly one soap aired between A and F.
- II. C is aired sometime before G.
- III. D is either the sixth or the seventh programme that is aired and H is the third programme that is aired.
- IV. B is neither the last nor the first programme that is aired.

18. If A is the second programme that is aired, then which of the following **MUST** be true?

- A. C is the first programme that is aired.
- B. E is the first programme that is aired.
- C. B is the fifth programme that is aired.
- D. D is the sixth programme that is aired.
- E. G is the last programme that is aired.

19. If F is the fifth and D is the sixth programme that is aired, then which of the following would make it possible to determine the **EXACT** order in which the programmes are aired?

- A. B is the second programme that is aired.
- B. E is the fourth programme that is aired.
- C. C is the first programme that is aired.
- D. B is the fourth programme that is aired.
- E. None of the above.

20. If F is the last programme that is aired and if C is aired sometime after H, then which of the following is **DEFINITELY** false?

- A. D is the seventh programme that is aired.
- B. G is the fifth programme that is aired.
- C. B is the fourth programme that is aired.
- D. A is the sixth programme that is aired.
- E. More than one of the above.

Question No. 21-30: The caselets given below are followed by a set of question/s. Choose the most appropriate answer to each question.

Question No. 21-23: On July 24, 2008, two Muslim women filed a lawsuit against the world's largest fast food restaurant chain, McDonald's, its management company at Dearborn, Michigan, USA, and one of its managers, alleging that they had been discriminated against during their job interviews because they were wearing the hijab. In the lawsuit filed in Wayne County Circuit Court, Michigan, the women claimed that the discrimination had been going on for years and demanded US\$10 million as compensation.

The two women Toi Whitfield (Whitfield) of Detroit, and Quiana Pugh (Pugh) of Dearborn alleged that the manager had told them that they would not be considered for employment unless they removed their hijab.

According to the women, Pugh had approached McDonald's for an interview in July 2008, while Whitfield had her interview in November 2006.

In not providing them with a job opportunity due to their religious beliefs, the company had violated a state civil rights law and the representatives of the plaintiffs were considering filing civil rights complaints with the federal and state governments, the women claimed. The lawsuit came at a time when restaurants in the US were taking initiatives to tap the opportunity provided by the large Muslim population in the country. There were around six to seven million Muslims living in the US and Dearborn, in particular, was a Muslim-dominated area.

Many restaurants in Dearborn had started offering menus with halal food to target this segment and the McDonald's outlet in Dearborn was one of them. In fact, the Dearborn restaurant was one of the only two McDonald's restaurants in the US that served halal Chicken McNuggets.

The case drew a lot of criticism from lawyers and Muslim bodies against McDonald's. "They'll take Muslim dollars, but won't hire Muslim female employees," said Dawud Walid, executive director of the Council on American Islamic Relations-Michigan.

However, Finley Management Inc., the management company that ran the McDonald's outlet in Dearborn, claimed that it had a strict non-discrimination policy.

"Finley Management has a strict policy prohibiting any form of discrimination with regard to race, gender, religion, or national origin, in hiring or in any other aspect of employment... We would caution anyone from jumping to conclusions without having all the facts," it said in a statement.

McDonald's too claimed to be an equal opportunity employer committed to diversity. On its website it claimed: "McDonald's is the world's community restaurant. We are proud of our long-standing commitment to a workforce that is diverse. We believe in developing and maintaining a diverse workforce that will strengthen the McDonald's system. Diversity at McDonald's is understanding, recognizing, and valuing the differences that make each person unique."

21. Which of the following is most likely to depict the problem faced by McDonald's?

- A. The inability of the manager to conduct a proper recruitment interview.
- B. The desire of the rejected candidates to put the company into a difficult situation for not selecting them.
- C. The inability of the company to balance religious beliefs and professional ethics.
- D. The inability of the manager to communicate/clarify the idea and utility of professional demeanour which was followed as well as needed in McDonald's.
- E. None of the above.

22. If you were the Head of Finley Management, then in your opinion, which of the following would serve as the best course of action to resolve the situation?

- A. Firing the manager who asked the women to take off the Hizab.
- B. Coming up with a list of Muslims, who are working in your organization.
- C. Hiring the women and save any payment of compensation.
- D. Clarifying that professional work ethics is not directed against any religious beliefs.
- E. Emphasizing that McDonald's has taken steps to suit the religious beliefs of Muslims.

23. Which of the following serves as the best ground for the appeal against McDonald's by the litigants?

- A. They feel that McDonald's is trying to attract Muslim customers.
- B. They feel that the policy of McDonald's is against recruiting Muslims.
- C. They feel that the halal food should be served at all McDonald's outlets.
- D. They feel that McDonald's is trying to interfere with their religious beliefs.
- E. Both (B) and (D).

Question No. 24-26: It has been widely reported that the very nature of work at BPOs has resulted in employee burnout and other stress-related disorders. The problem was compounded in countries such as India, where employees had to work in night shifts as these BPOs catered to overseas clients. Working continuously in such shifts, handling stressful transactions with clients, led to mental and physical exhaustion. In addition to workplace stress, the personal habits and undisciplined lifestyle of some employees further compounded their problems. A combination of factors including monotonous but stressful work, and good starting salary at an early age, pushed some employees toward high risk behavior such as alcoholism, substance abuse and promiscuity. There were also reports of BPO employees getting involved in crimes.

The problem was exacerbated as a high percentage of BPO employees hailed from small towns and stayed away from their families. Some of them wanted to take full advantage of the newfound independence, while others succumbed to peer pressure as drinking, doing drugs and indulging in other high risk behaviors were considered 'cool' and glamorous.

In 2007, the United Nations Office for Drugs and Crime (UNODC) said that incidents of alcohol and drug abuse and HIV/AIDS were on the rise in BPOs. Incidents of unruly behavior by employees, including coming to work in an inebriated condition, etc., were also not uncommon in this industry.

These incidents happened despite the fact that most organizations' policies strictly prohibited the consumption of alcohol in the office premises and/or coming to offices in an intoxicated state. In addition to having a direct impact on productivity, the employees could harm themselves or those around them.

Many organizations realized the need to curb such behavior of the employees. In mid-2007, it was reported that BPOs were considering conducting random alcohol tests on their employees. Some BPOs also wanted to introduce HIV testing for employees as well.

Experts felt that organizations could conduct alcohol tests as alcohol affected employee performance. Moreover, if the employee manual clearly stated that employees could not be found intoxicated in the office premises, they were free to test the employees. However, conducting HIV tests was much trickier.

While some felt that it was individual company policy to decide what tests were to be conducted and saw no problems with HIV testing, others felt that it was discriminatory. BPO employees felt that they were being unfairly singled out as there was a negative perception about the culture at BPO firms, given that many of them operated on night shifts. Making such tests mandatory might give a negative message to the employees and further feed the popular perception about the culture at BPOs, they said.

What's more, there was debate on what this HIV testing information was going to be used for. There were apprehensions that this information would be used to discriminate against the infected employees.

It was also not clear whether the information would be kept confidential or it would be made public. If the information was made public, the affected employee might be subjected to discrimination in the workplace and even face social ostracism. Denying someone employment on the basis of HIV status was also a tricky subject.

There were also concerns that excessive monitoring or moral policing on the organizations' part would only damage employee morale and breed discontentment. This in turn could lead to more attrition in an industry that was plagued by high attrition.

Moreover, HIV testing being such a sensitive issue, it remained to be seen whether any organization could make such testing compulsory without getting into legal problems.

24. Mr. Amit is a manager at a BPO, which of the following method will you suggest to Mr. Amit for solving the problem related to inhibition among the BPO workers regarding HIV tests?

- A. Making HIV testing mandatory for recruitment, selection and career growth.
- B. Conducting HIV test for the employees without their knowledge and inform only those who are found HIV positive.
- C. Educating the employee about the HIV testing and conduct a test only after the approval from the employee guaranteeing full confidentiality of results.
- D. Suggest measures to implement HIV testing for all and not just BPO employees.
- E. Make the HIV testing mandatory for all the fresh recruits.

25. Which of the following factors are mentioned in the passage as the causes of high stress life amongst the BPO workers?

- I. Working for the clients overseas.
- II. Staying away from the families.
- III. Undisciplined lifestyle.
- IV. Handling stressful transactions.

- A. (I) and (III) only.
- B. (II) and (IV) only.
- C. (I), (II) and (III) only.
- D. (III) and (IV) only.
- E. All of the above.

26. Which of the following measures will be suggested by you to tackle the problem of stressful work conditions and burnouts?

- A. recruit people who have families with them.
- B. rotation of employees with enough breaks in work shifts.
- C. selection only those who do not drink and are from big cities.
- D. to pay better for the work done by BPO workers.
- E. None of the above

Question No. 27-30: Nokia Corporation (Nokia) has made connectivity truly ubiquitous. It has emerged as a world leader in mobile technology and progressively moving towards the company's vision of creating a world where everyone is connected.

Albeit the strong strategic growth and transformation, in mid-2007 Nokia encountered a problem with the malfunctioning of its handsets due to faulty batteries which might get overheated, especially the BL-5C batteries which were used in most of Nokia's low-end models.

The Finnish company was sourcing these batteries from the Matsushita Battery Industrial Co Ltd. (Matsushita) of Japan and several other suppliers.

On August 13, 2007, Nokia issued a warning over its BL-5C batteries across the world, stating that these batteries may get overheated while charging. It said that about hundred such incidents of overheating had been reported globally but there were no reports of the batteries being associated with any serious injuries or damage to property.

It also clarified that the problem was limited to 46 million BL-5C batteries manufactured by Matsushita between December 2005 and November 2006. Nokia also offered to replace the batteries free of cost to the consumers. "By reacting swiftly and responsibly, and by being fully transparent, we believe that consumers will continue to view Nokia as a responsible and trustworthy brand," said Robert Andersson, head of customer and market operations at Nokia.

Some analysts felt that the replacements of the batteries would cost Nokia as much as US\$170 million. The company was working together with Matsushita to investigate the defect related to the batteries and agree on who would bear the cost of the product replacements. Analysts said that generally the supplier bears the cost of such replacements.

However, one of the priorities for Nokia was to handle this crisis well so that its brand image does not suffer due to the resultant confusion and panic among its consumers. For instance, shortly after Nokia issued the warning, millions of Nokia mobile phone users in India panicked. They checked their Nokia handsets and rushed to the nearest service centre for clarification and further information.

However to their dismay the panicking customers found that the customer care centers were not in a position to help them and denied having any information from the company regarding the malfunction. The police had to be called in to lend extra security at one Nokia customer centre as anxious customers gathered there and demanded that their batteries be replaced.

To appease the growing fear among its customers, Nokia through advertisements in various national newspapers and TV networks, made it clear that for the safety of its customers it had issued a product advisory for the BL-5C batteries and not a total recall of the product.

It reiterated that it had sourced more than 300 million BL-5C batteries from many suppliers and the product advisory applied only to the 46 million batteries manufactured by Matsushita between December 2005 and November 2006.

It advised the consumers not to panic and provided them with phone numbers where they could check the status of their batteries by stating the 26 character battery identification number. Consumers could also sms this battery identification number to a number specified by the company or check the status of the battery online by logging on to the company Website.

Crisis management experts feel that swift consumer communication is of paramount importance during such crisis situations. It is also important for the company to communicate clearly and transparently with the public. Nokia contended that it had acted swiftly and transparently in the best interests of the consumers and hoped to come out of this fiasco unscathed.

27. According to the given passage, if you were the top manager of the Nokia Company, then which of the following would be your top priority while dealing with the problem of the faulty batteries?
- A. To hold the brand value of the Nokia brand.
 - B. To keep the customer safe and satisfied.
 - C. To communicate to the client about the details of the battery problem.
 - D. To protect the staff who is working at customer care-centres from public anger.
 - E. To take action against the company that supplied the faulty batteries.

28. According to the information provided in the passage, if you were Nokia's Crisis manager, then which of the following strategies would you resort to in order to salvage the Nokia brand?
- A. To give preference to quality after sales service than to monetary benefits.
 - B. To convince Matsushita Corporation to own the responsibility and bear the cost of battery replacement.
 - C. To establish a proper channel of communication with the customer and maintain transparency.
 - D. To come up with better batteries to overcome the problems posed by BL-5C.
 - E. None of the above.
29. Which of the following strategy should be adopted by Nokia in order to avoid recurrence of instances like BL-5C?
- A. Cancel the deal with Matsushita Corporation and sue them in court for damages to the Nokia brand.
 - B. Establish better quality checks for the products which are developed in house and for those sourced from outside.
 - C. To maintain quality, stop outsourcing of products and develop all the products in-house.
 - D. Train all the customer care centre employees to deal with customer in a courteous manner.
 - E. Provide inventory at all the customer care centres so that they could take actions by themselves in an exigency.
30. What, in your opinion, was the main mistake of Nokia Corporation?
- A. Banking too much on outsourcing especially for critical products.
 - B. Going to public without proper preparation to deal with the consequences.
 - C. Selecting partners without paying attention to the quality of products.
 - D. Customer support staff not adequately trained to deal with exigencies.
 - E. Resorting to cheap batteries in place of high quality batteries.

SECTION B : VERBAL AND LOGICAL ABILITY

Analyse the passage given and provide an appropriate answer for the questions 31 and 32 that follow.

Recent studies in US settings have found that a key factor determining the quality of supervisor – subordinate ties is relational demography, the degree to which individuals (in this case, supervisors and subordinates) are similar in their demographic attributes, e.g., gender, race, and age. Several studies have suggested that supervisor – subordinate gender similarity is positively associated with Supervisor – subordinate exchange relationships. Other investigations have linked multiple kinds of demographic similarity to supervisors' response towards subordinates (i.e. liking of subordinates). Because all of these studies involved US samples, the degree to which such effects occur in Mexico has yet to be determined. Thus, the objective of the present study is to examine associations between relational demography and the quality of relationships in both US and Mexican supervisor-subordinate pairs, or 'vertical dyads'. Relationship quality is the extent to which there is trust, respect, liking, and mutual influence between two or more individuals. In the following sections, we integrate literature on demography, social psychology, and national culture to develop a set of hypotheses about demographic similarity and supervisor-subordinate relationship quality in the United States and Mexico. We then conduct a preliminary test of those hypotheses using field data from vertical dyads at manufacturing plants in the two countries. The theory and predictions in this section pertain to three kinds of demographic similarity: gender, race, and age.

31. The statement "The study would compare the demographical characteristics of supervisors and their corresponding subordinates and would come up with hypotheses regarding which characteristics are most similar in 'vertical dyads' in US and Mexico." falls in which of the following categories?

- A. Direct Inference from the passage.
- B. Cannot be inferred.
- C. A direct outcome of the study.

- D. An important objective of the study in the passage.
- E. A secondary objective of the study.

32. Which of the following would not be a concern of the study in the passage?

- A. Gender similarity of 'vertical dyads'.
- B. Conflict in relationships in various 'vertical dyads' in Mexico.
- C. Patriotic feelings arising from similar national culture in 'vertical dyads'.
- D. Superior-subordinate exchange relationships.
- E. None of the above.

33. Identify the correct sentence?

- A. Such a process placing psychoanalysis in opposition to the possible enlargement of consciousness's field of self-comprehension and of any possible disalienation of the subject, blocking the dialogue among Lacan and the emancipatory aspirations of the Frankfurt School.
- B. Such a process places psychoanalysis in opposition of the possible enlargement of consciousness's field of self-comprehension and of any possible disalienation of the subject, blocked the dialogue between Lacan and the emancipatory aspirations of the Frankfurt School.
- C. Such a process places psychoanalysis in opposition to the possible enlargement of consciousness's field of self-comprehension and of any possible disalienation of the subject, blocking the dialogue between Lacan and the emancipatory aspirations of the Frankfurt School.
- D. Such a process placed psychoanalysis in opposition to the possible enlargement of consciousness's field of self-comprehension and of any possible disalienation of the subject, blocked the dialogue between Lacan and the emancipatory aspirations of the Frankfurt School.

- E. Such a process placed psychoanalysis in opposition to the possible enlargement of consciousness's field of self-comprehension and of any possible disalienation of the subject and blocking the dialogue between Lacan and the emancipatory aspirations of the Frankfurt School.

34. Identify the correct sentence.

- A. Presently and in clear terms, The teacher who is teaching needs to be told, that he is being very aggressive.
- B. Presently, the teacher who is teaching needs to be told that he is being very aggressive in clear terms.
- C. The teacher, who is teaching presently needs to be told, in clear terms, that he is being very aggressive
- D. The teacher who is teaching needs to be told presently that he is being very aggressive in clear terms.
- E. The teacher who is presently teaching needs to be told in clear terms that he is being very aggressive.

Analyse the following passage and provide an appropriate answer for the questions 35 and 36.

For any cogent action against a potential or a festering problem, the rudimentary requirement for decision makers is to be convinced that there is a problem, and then define its import. This simple prerequisite, nevertheless, eludes India's decision makers. It is mainly because of our hypocritical propensities. Admittedly, certain amount of hypocrisy is inevitable for the purposes of governance and nation-building, but when stretched beyond credulity, it becomes self-defeating. India has unfortunately fallen into this self-created trap. On most of the panel discussions on television that I have been invited to, the panelists have a set of opinion *on camera* and another set of opinions *off camera*.

35. Which one of the following statements, if true, most strongly suggests the idea given in the last sentence of the passage?

- A. In their bid to be politically correct, people in the panel discussions ignore the obvious unwittingly.
- B. In their bid to be politically correct, people in the panel discussions ignore the obvious unknowingly.
- C. People in the panel discussions usually reckon on their propensity to manipulate situations and public opinion in their favor.
- D. People in the panel discussions are usually considered to be hypocrites.
- E. People in the panel discussions have learnt the art of doublespeak - off the record and on the record.

36. Which of the following purports to explain the belief on which the speaker's opinion towards India's governance and nation-building is based?

- A. Hypocrisy in governance lowers national prestige and gives rise to cynical and self-serving polity.
- B. Hypocrisy in governance generates clash amongst state institutions and deepens class, caste and regional divides.
- C. Hypocrisy in governance perpetuates corruption; impacts negatively on national character; and finally restrains the process of nation building.
- D. When stretched beyond credulity, hypocrisy in governance perpetuates misconceptions; impacts negatively on national character; and finally restrains the process of nation building.
- E. When stretched beyond credulity, hypocrisy in governance prevents sound decision making and eats into the theme of better governance and nation building.

Analyse the following passage and provide an appropriate answer for the questions 37 through 40 that follow.

Like a lot of credit-card-carrying Americans, Paul Antico has had his wallet hit hard in recent months. His Bank of America credit card went from a fixed interest rate to a variable one that changes from one billing cycle to the next. Citibank has raised his other card's interest rate from 5.99 percent to 14.99 percent since

late May, even though Antico pays on time, and his reward points have become harder and harder to redeem. “These are back-stabbing things,” says the 37-year-old Massachusetts resident and technology analyst. A recent report done by the Safe Credit Cards Project at the Pew Charitable Trusts found that over the past four months, credit-card companies have routinely tacked on new fees, altered account terms, and jacked up interest rates, sometimes to as high as 30 percent. The industry says such hikes are necessary because it is assuming greater risk by extending credit in bad times.

That may be the case, but President Obama’s new credit-card legislation, which passed in May and takes effect in February 2010, is supposed to stop credit-card companies from unfairly increasing rates or fees, targeting consumers under the age of 21, and hiding behind contracts filled with hard-to-understand legal language. Tim Mikulski of Washington, D.C., recently transferred the balance of his old credit card to a new one with a zero percent interest rate and, for those who have good credit, there’s always the option of switching cards or negotiating rates. A recent report by the Pew Charitable Trusts showed that credit unions are now offering interest rates that are 20 percent lower than those of bank-issued cards. Still, credit union cards might not be for everyone. Rewards cardholders may prefer the more generous rebates of major bank card issuers, while those with large balances and high interest rates might benefit from a credit union-issued credit card.

37. Which of the following can be logically assumed from the information given in the passage?

- i. Credit union credit cardholders are less likely to see wild changes to their credit card accounts.
- ii. If you’re not careful, you’ll get socked with unexpected fees and soaring rates when you transfer your balance.
- iii. Your credit card company may use your late auto loan payment to justify a rate increase.

- A. i only
- B. ii only

- C. iii only
- D. i and ii
- E. None of the above

38. The author in the passage is primarily aiming at:

- A. highlighting the fact that American credit card holders need protection.
- B. specifying the fact that Americans need a healthy flow of credit in their economy.
- C. considering carefully and at length if getting a Credit Union credit card can resolve the credit crisis.
- D. foregrounding why Card companies are jacking up rates and observing what solutions are available to cope with the same.
- E. highlighting the fact that the recent round of hikes is fomenting a cardholder revolt as Card issuers are using the economic crisis as a reason to raise rates.

39. As per the passage, which of the following can be suggested to combat the situation discussed?

- i. If you have a strong credit score, you are advised to cut your spending and switch to credit cards which you use from month to month rather than canceling all credit cards outright.
- ii. If you haven’t been able to negotiate a lower interest rate on your bank card you may enjoy a fee-free, or low-cost, balance transfer to a credit union card.
- iii. If your credit is less stellar, you are advised to switch to a credit union that usually offers more reasonable rates and fees on their credit cards than banks.

- A. i only
- B. ii only
- C. iii only
- D. i and ii
- E. ii and iii

40. Which of the following underlines the main reason for the rising interest rates?

- A. There's a direct correlation between the strength of the economy and the credit-card interest rates.
- B. Growing big and quickly is what has left banks [free] to charge such high penalties and interests.
- C. Credit card companies often boost rates for reasons other than delinquency; the so-called universal default provision lets them change terms at any time based on customers' usage of other lines of credit.
- D. In a credit crunch, lenders are wary of risk and their ability to insure themselves against loss either disappears or rapidly increases in cost.
- E. There are no standard definitions established for terms like "fixed rate" and "prime rate" so companies mislead or deceive consumers in marketing and advertising.

41. Identify the incorrect sentence/ sentences

- i. Each of the movies were great and the choice for the best one between all three was very difficult indeed.
 - ii. Students who take their teachers' advice often can improve their results.
 - iii. As I saw through the papers, I could hear its approaching.
 - iv. A car hit a big tree and car was damaged beyond reparation.
 - v. Using the reports of comprehensive longitudinal studies of accident prevention, several states have passed laws that require children under the age of 18 to wear helmets when they ride roller coaster.
- A. i, ii & iv
 - B. i, iii & iv
 - C. ii & v
 - D. only i
 - E. All of these

Analyse the following passage and provide an appropriate answer for the questions 42 through 44 that follow.

In The Racial Contract, Charles Mills argues that contemporary structures of white domination in the West operate by means of an epistemology of ignorance for white people. White people suffer from cognitive dysfunctions such that they cannot understand the racially (and racistly) structured world in which they live and, indeed, helped create. For Mills, while no person of any race is self-transparent, becoming a white person entails a particularly extreme form of self-opacity regarding issues of race that corresponds with an egregious misunderstanding of the world. Because of the racialized moral psychology created by the racial contract, white people are, ironically, often unable to see race and racism.

I begin with Mills because, although it does not make use of psychoanalysis, his work suggests both how and why psychoanalytic theory can be of help to critical race theory's project of examining race for the purpose of challenging racism and white privilege. While the white cognitive dysfunction described by Mills sometimes operates preconsciously, his concept of the epistemology of ignorance also points to the vast pools of human thought inaccessible to consciousness, and thus unconscious. This refers not to a mere gap or empty space; rather, it is something that is actively, dynamically produced, and which stubbornly maintains its existence. This means that as unconscious, racism's effectiveness is found in its ability to perpetuate itself as something invisible and unknowable. As Kalpana Seshadri-Crooks writes, 'It is precisely this unconscious resiliency of race that invites psychoanalytic exploration.' A critical race theory that omits the unconscious operations of race and racism touches on only the tip of the iceberg that is white privilege. This is not to say that white privilege is only psychological. But the importance of the economic, political, geographical, and other aspects of white privilege should not lead us to overlook the psychological impact that race and racism have on people of all races.

42. The statement “White people need to be educated about their ignorance and their unconscious ideas about racism” falls in which of the following categories?
- Primary Purpose of the passage
 - A measure advocated by Mills
 - A direct outcome of the passage
 - A central assumption of Kalpana Sheshadri Crooks
 - None of the above
43. The inference ‘White people are to a large extent unaware about their role in the creation of racism around themselves’ is:
- Correct
 - Incorrect
 - Far-fetched
 - Irrelevant
 - Self-Contradictory
44. What relation does Mills’ views hold with those of Kalpana Sheshadri?
- Hypothesis
 - Basis
 - Evidence
 - Assumption
 - Contradiction
45. **Identify the correct sentence.**
- Inquiry report show that the coach not his players are to be blamed
 - Inquiry report shows that the coach not his players are to be blamed
 - Inquiry report show that the coach not his players have to be blamed
 - Inquiry report shows that the coach not his players is to be blamed
 - Inquiry report show that not the coach but his players are to be blamed

Analyse the following passage and provide an appropriate answer for the questions 46 through 48.

Below is an extract from ‘Hamlet Essay’ which features Samuel Taylor Coleridge’s famous critique based on his legendary and influential Shakespeare notes and lectures.

I believe the character of Hamlet may be traced to Shakspeare’s deep and accurate science in mental philosophy. Indeed, that this character must have some connection with the common fundamental laws of our nature may be assumed from the fact, that Hamlet has been the darling of every country in which the literature of England has been fostered. In order to understand him, it is essential that we should reflect on the constitution of our own minds. Man is distinguished from the brute animals in proportion as thought prevails over sense: but in the healthy processes of the mind, a balance is constantly maintained between the impressions from outward objects and the inward operations of the intellect; for if there be an overbalance, in the contemplative faculty, man thereby becomes the creature of mere meditation, and loses his natural power of action. Shakspeare attempted to depict this rift between our attention to the objects and our inward operations of the intellect. One of Shakspeare’s modes of creating characters (in Hamlet) illustrates this. He conceived any one intellectual or moral faculty in morbid excess, and then to placed himself, Shakspeare, thus mutilated or diseased, under given circumstances.

In Hamlet the balance is disturbed: his thoughts, and the images of his fancy, are far more vivid than his actual perceptions, and his very perceptions, instantly passing through the medium of his contemplations, acquire, as they pass, a form and a colour not naturally their own. This character Shakspeare places in circumstances, under which it is obliged to act on the spur of the moment: – Hamlet is brave and fearless of death; but he vacillates from sensibility, and procrastinates from thought, and loses the power of action in the energy of resolve. The effect of this overbalance of the imaginative power is beautifully illustrated in the everlasting broodings and superfluous

activities of Hamlet's mind, which, unseated from its healthy relation, is constantly occupied with the world within, and abstracted from the world without,—giving substance to shadows, and throwing a mist over all common-place actualities.

Shakespeare's (3.1) soliloquy spoken by Hamlet, "...To be, or not to be: that is the question: ...Whether 'tis nobler in the mind to suffer ...The slings and arrows of outrageous fortune ...Or to take arms against a sea of troubles..." has permeated the entire cultural fabric of Western civilization. This soliloquy which is at the heart of Hamlet, carries the essence of the play. It is a visual clue of what Shakespeare wished to illustrate.

46. Which of the following inferences can be derived about the character 'Hamlet' on basis of the passage?

- A. Hamlet is an avenger, a man of radical contradictions — he is reckless yet cautious, courteous yet uncivil, tender yet ferocious. He has not a semblance of truth to his story.
- B. Hamlet is brave but full of faults: Hamlet is self-suspicious as he has no firm belief either in himself or in anything else as he becomes disillusioned in the labyrinth of love.
- C. Hamlet is a common character who is fearless but when met with trying situations, is unable to confront with resolution as he becomes disillusioned in the labyrinth of thoughts.
- D. Hamlet is a common figure like us, his self-reproach reaches an apex, which makes him vacillate from sensibility.
- E. Hamlet is a unique character and potentially the greatest dramatic character ever created.

47. The author in the passage seems to believe that Shakespeare in his play 'Hamlet' exemplifies:

- i. The moral significance of a due balance between immortal interests of man and unconnected reality,—an equilibrium between the overt intelligence and deceptive appearances.
- ii. The significance of a due balance between our attention to the objects of our senses, and our meditation on the workings of our minds,—an

equilibrium between the real and the imaginary worlds.

- iii. The moral necessity of a due balance between elevation of mind and exaltation of our ideals as well as conduct.

- A. i only
- B. ii only
- C. iii only
- D. i and ii
- E. ii and iii

48. It can be inferred from the passage that:

- i. The effect of the overbalance of the imaginative power results in shallow and stupid arrogance which is potentially dangerous.
- ii. The sense of sublimity arises, not from the sight of an outward object, but from the beholder's reflection upon it;—not from the sensuous impression, but from the imaginative reflex.
- iii. The effect of the overbalance of the imaginative power results in aversion to reality;— which is nothing but self-delusion.

- A. i and ii
- B. ii and iii
- C. iii only
- D. i only
- E. i, ii and iii

For questions 49 and 50, read the sentences and choose the option that best arranges them in a logical order.

- 49. i. The arguments that come from different sources, *are taken from speeches of a demagogue* and the editorial page of newspapers, which are rife with strong opinions on nearly all world events and popular culture, *even from an ad campaign.*
- ii. A Critical or Logical reasoning question (argument) evaluates our ability to understand, analyze and criticize a presentation of facts and opinions to support a position.

- iii. *Everyday we engage in various argument of sort-* some are presented as heated debates between two persons, while others are formal presentations of positions.
- iv. One thing that is common in all types of arguments is each one processes its logic through some given facts (premises) and some unstated premises (assumption).

- A. i, ii, iii, iv
- B. ii, iii, i, iv
- C. iii, iv, i, ii
- D. iv, i, iii, ii
- E. iv, iii, ii, i

50. i. KC Pal Umbrella Corp. plans to institute a marketing campaign in which it sells umbrellas at the exits of Metro stations in Kolkata during rainy weather.
- ii. The umbrellas will be sold at a price that is slightly higher than normal but would distinctively look different.
- iii. The company thinks the sales of these higher-priced umbrellas will be greater than sales of normal umbrellas, because the purchasers of these umbrellas will be forced to buy them if they do not want to get wet.
- iv. Sale of umbrellas shoots during rainy seasons even in other wise rain starved areas.

- A. i, iii, ii, iv
- B. iv, ii, iii, i
- C. i, ii, iii, iv
- D. iv, iii, i, ii
- E. iv, i, ii, iii

51. Which sentence includes an example of an oxymoron out of the 5 sentences?

- A. Playing a play is not a child's play.
- B. While flying a kite, you can always tell when you lose a kite because the string feels loose.
- C. Harmonious discord among BJP leadership on the issue of Hindutva made the party a favorite whipping boy of every demagogue.
- D. If precision of reflection preceded action it would be ideal if humans had precision of thought facilitated by precision of behavior.

- E. I am much more intolerant of a human being's shortcomings than I am of an animal's, but in this respect I have been lucky, for most of the people I have come across have been charming

52. Which sentence includes an example of a metaphor out of the 5 sentences?

- A. The king of mixed metaphor Navjyot Sidhu escaped the gallows with his hard hitting style of argument.
- B. Common sense is like soap in the bath: easy to grab but difficult to hold onto it.
- C. Speaking any natural language whatsoever might influence the general potential for human thinking and using any given language code in a particular way might influence thinking.
- D. Irony of fate is that in the most vibrant democracy of the world terrorism breeds freely in the hot bed of corruption even as the common men bear the brunt of both.
- E. "I didn't attend the funeral, but I sent a nice letter saying I approved of it." - Mark Twain

53. Which sentence includes an example of a simile out of the 5 sentences?

- A. As the watchdog of pillar of the Indian Democracy the tainted MPs often relieved the democracy before the pillar.
- B. The then PM Mr. Narsimha Rao played his silence, during Babri Masjid demolition, like Nero played his violin when Rome was burning.
- C. "That depends, Sir," said Disraeli, "whether I embrace your policies or your mistress."
- D. This is because of the materials that they use and that's very important - part of their visceral effect - that's why they're bodily, that's why they're precarious. But their conceptual status is as precarious.
- E. That the artwork itself is a kind of theoretical proposition, and you can think those sorts of questions without necessarily drawing on that kind of apparatus any more than in a socio-historical or formalist way.

Analyse the following passage and provide an appropriate answer for the questions 54 and 55.

A couple of years ago I met a nonplussed father whose eight-year-old daughter refused to allow him to eat mayonnaise because of the orangutans. As he was struggling to make the connection, I explained how orangutan habitats in Sumatra and Borneo were being clear-felled at an incredible rate for conversion to oil palm plantations. I wonder if his now-10-year-old is on a permanent protest rota between the kitchen and the bathroom, refusing to let her poor dad chew gum, use shampoo or make toast. Because just as palm-oil monocultures have swept across Southeast Asia, charged with the catastrophic destruction of wildlife, forest habitats and pollution, the results are ubiquitous in our shopping basket. An investigation last year found that palm oil – often obliquely labelled as “vegetable oil” – was found in 40% of best-selling groceries.

54. Which of the following is an inference from the paragraph ?

- i. The human desire to protect the habitat is largely dormant due to support for commercialization rather than lack of awareness.
- ii. The demand for certain products and proliferation of specific monocultures can result in huge destruction of biodiversity and habitat.
- iii. Even protests which make people refrain from using certain products would have no effect on the destruction of wildlife and habitat as we are concerned only with the products in our shopping basket.

- A. Only i
- B. Only ii
- C. Only iii
- D. i and ii
- E. ii and iii

55. Which of the following ideas would be logically in line with the theme in the paragraph ?

- A. It is inevitable that the planet’s biodiversity would be sacrificed in the wake of the popularity of palm oil.
- B. If you attach more importance to the planet’s biodiversity than the creaminess of a shampoo, go palm-oil free.
- C. Children have a better and deeper understanding than adults regarding the danger to biodiversity .
- D. It is absolutely unacceptable to sacrifice biodiversity for human products like palm oil.
- E. It is futile to expect people to give up palm oil as a protest against bio-diversity when it is difficult to make even a connection between eating mayonnaise and orangutans.

56. The combination of 16 million workers unemployed with an unprecedented housing market meltdown and collapse in state and local finances has magnified the misery of homelessness in the world’s richest country. The crisis is multi-layered: for the long-term homeless, for those with mental health and drug addiction problems, for women and children fleeing domestic violence, for military veterans experiencing PTSD, as local and state services are slashed the likelihood that they will end up sleeping on park benches or under bridges grows.

Which of the following if true does not strengthen the argument?

- A. In California domestic violence shelters have suffered disproportionately high cuts in recent months as the governor and legislators look for ways to fill huge holes in the state’s budget.
- B. In other states in the country, mental health services for the indigent and poor have been decimated.
- C. Peruse local newspapers, and you’ll see stories such as the one in last week’s Charlotte Observer, in North Carolina, detailing cuts to services for pregnant women.

- D. Mental health advocates in Ohio have recently documented multi-million dollar cuts to housing services for the state's mentally ill.
- E. In South Carolina, military veterans experiencing PTSD have experienced cuts in allowances for housing.

Analyse the following passage and provide an appropriate answer for the questions 57 through 58.

What is Marx's contribution to the philosophy of time? Or, to put it another way, what has a temporal reading of Marx's writings to contribute to the understanding of the philosophical aspects of his thought? How, for example, might it reconfigure the relationship between the historical, analytical and political dimensions of his work? These are not merely, or even primarily, historical questions, but constructive and critical issues about the philosophical present: constructive, because with only a couple of notable – and notably partial – exceptions (Antonio Negri and Moishe Postone), the temporal-philosophical side of Marx's thought has yet to be systematically disinterred; critical, because of the light such a construction promises to throw on a range of issues, not least the specific contemporaneity of Marx's thought. This is a propitious time for such an investigation, for a number of reasons.

57. The statement “A systematic understanding and analysis of the temporal-philosophical side of Marx's thought would not help understanding the specific contemporaneity of Marx's thought”, falls into which of the following categories?
- A. Assumption
 - B. Conclusion
 - C. Incorrect inference
 - D. Premise from the paragraph
 - E. None of the above
58. Which of the following is an assumption in the paragraph?
- i. Philosophers have found it difficult to disinter the temporal-philosophical side of Marx's thought.
 - ii. A relationship has been established earlier between the political, historical and analytical dimensions of Marx's work.

- iii. There has been no investigation conducted earlier on the temporal-philosophical side of Marx's thought.

- A. Only ii
- B. Only iii
- C. Only i
- D. i and ii
- E. ii and iii

59. “The attainment of a master who has attained the truth can be experienced through his writings.” Which of the following most Undermines the above statement ?

- A. Most of the masters who have attained the truth do not express themselves through writings.
- B. Many masters who have attained the truth are illiterate.
- C. Truth is absolute and cannot be expressed through words.
- D. An excess of words can confuse the mind and a confused mind cannot attain the truth.
- E. A master's actions speak for themselves.

60. With the rising demand for a skilled workforce, more and more Indian Universities are offering skill-based education as part of the curriculum. But this gives rise to a question as to what the role of a university is – to fulfill academic requirements or industry demand.

Which statement would best resolve the question in the above paragraph ?

- A. Universities are after all a modified version of a placement center.
- B. In these times, one has to combine theory with practice.
- C. Education ,in addition to imparting knowledge, has to prepare the student to face the world.
- D. It is only by applying knowledge in the outside world that knowledge gets fulfilled.
- E. When an entity becomes market driven, it loses its soul.

61. Referring to the paragraph in **60**, which of the following options summarizes what is happening in the paragraph?

- A. Conflict leading to an introspection.
- B. A trend leading to a conflict and introspection.
- C. Reaction to a trend leading to conflict.
- D. Introspection leading to conflict.
- E. Conflict arising from not reacting to a trend.

Analyse the following passage and provide an appropriate answer for the questions 62 and 63.

If the health of a medium corresponds to the number of gongs, contemporary photography would seem to be in fine fettle. It is, of course, not that simple. Prizes are not just a barometer of excellence, but of changing taste and, perhaps more importantly, curatorial values. Over the last few decades, the Turner prize has tracked the movement away from painting and sculpture, towards high-end conceptualism and back again. At one point, perhaps around 2006, the Turner became a touchstone not just for the state of contemporary art but for the growing distance between the art world and the (informed) public. That was the year Tomma Abts won for her odd little geometric paintings and Lynn Barber outraged her fellow judges and Tate director Nicholas Serota by writing an Observer article about how “banal and derivative” most of the work had been, and how public nominations were more or less ignored by the experts.

62. Which of the following best summarizes the idea of the passage?

- A. The Turner prize has tracked the movement of Contemporary Art towards high-end conceptualism and back.
- B. Prizes like the Turner Prize in addition to recognizing excellence also indicate the state of contemporary Art and the distance between the Art world and the Public.
- C. Contemporary Art is not in fine fettle as the Turner Prize stands not only for excellence but many other factors influencing the Art scene.

- D. The Turner Prize which used to be a barometer of Excellence in Art is now becoming a mere representative of the Art experts.
- E. One cannot say that Contemporary Art is in fine fettle as prizes indicate many other things in addition to awarding excellence.

63. Which of the following weakens the idea in the passage?

- A. In 2005, the Turner prize was awarded by judges who took into account nominations by the public.
- B. In 2004, the Turner prize was decided exclusively by a group of elite judges who completely ignored public nominations.
- C. In 2006, the Bucker prize for excellence in Contemporary Art was decided by public votes.
- D. In 2005, the Bucker prize for excellence in Contemporary Art reflected a movement away from traditional Art.
- E. None of the above.

64. Identify the pair that has a relationship similar to the given pair.

Derogatory: Complimentary

- A. Calm : Inactive
- B. Cantankerous : Bearish
- C. Averse : Avid
- D. Redundant : Superfluous
- E. Tractable : Pliant

65. Find the pair that is not synonymous

- A. Utopia : Arcadia
- B. Resignation : Acquiescence
- C. Purloiner : Thief
- D. Dare : Challenge
- E. Avarice : Prodigality

SECTION C : QUANTITATIVE ABILITY AND DATA INTERPRETATION

66. Given that $P = (aaa)^2 \times (aaa + 1)^2$ and 'aaa' is a three-digit number. P is definitely divisible by which of the following numbers?
- 41116
 - 49988
 - 42984
 - 49284
 - None of the above
67. In a rectangle ABCD having area of 6 square units, two isosceles triangles $\triangle AFD$ and $\triangle FBE$ are drawn such that F lies on AB and E lies on BC. What is the area of the triangle $\triangle DFE$, if the length (in units) as well as the breadth (in units) of the rectangle ABCD are integers?
- 3 sq. units
 - 1.5 sq. units
 - 2.5 sq. units
 - 4 sq. units
 - None of the above
68. A five-digit number 'N' has the following properties:
- All the digits of the number are one or the other of four numerals 1, 2, 3 and 4.
 - Except for 2, all the other three numerals are present only once in N.
- 'S' is the set of all such five-digit numbers that are divisible by 4. How many elements in S are divisible by 6?
- 12
 - 16
 - 18
 - 24
 - None of the above.
69. In a quadrilateral PQRS, the diagonals PR and QS intersect at the point O. The length of the line segment PO and OR are in the ratio 1:2 and that of SO and OQ are in the ratio 1:1. What is the ratio of area of $\triangle SOR$ to the area of quadrilateral PQRS, if the measure of $\angle SOR = 30^\circ$?
- 1:3
 - 2:3
 - 3:4
 - 2:5
 - 3:5
70. The equation $px^2 + (p + 1)x + p = 0$ has real and distinct roots. Also, exactly one of its roots lies between 2 and 3. Which of the following is the range the values of 'p'?
- $-\frac{2}{7} < p < -\frac{3}{13}$
 - $p < -\frac{2}{7}$ or $p > -\frac{3}{13}$
 - $p > 1$
 - $p < -\frac{2}{7}$ or $p \geq 1$
 - $p = -\frac{1}{3}$ or $p > 1$
71. Given below is a 3×3 grid filled with distinct natural numbers from the set {1, 2, 3, 4, 5, 6, 7, 8 and 9} such that average of the numbers in each row as well as that in each column is the same. Unknown natural numbers filled in the grid are represented by alphabets b, d, e, f, h and i.
- | | | |
|---|---|---|
| 8 | b | 4 |
| d | e | f |
| 1 | h | i |
- Which of the following is true?
- $e > h > f > i$
 - $e > h < f < i$
 - $e > h > f < i$
 - $e < h < f < i$
 - None of the above
- Question No. 72-74:** N is a three-digit number such that sum of the hundredth and the ten's digit is less than the unit's digit.
Given: All digits in 'N' are distinct and non-zero.
72. How many such numbers 'N' are a multiple of nine?
- 4
 - 8
 - 10
 - 7
 - None of the above

73. How many such numbers 'N' are odd?

- A. 38
- B. 40
- C. 42
- D. 54
- E. None of the above

74. What is the total number of possible values of N?

- A. 66
- B. 68
- C. 102
- D. 90
- E. None of the above

75. Two straight lines $2x - 3y + 6 = 0$ and $3y - 4x + 6 = 0$ intersect each other at a point 'P' having co-ordinates (a, b). A straight line is drawn passing through the point P and a point having co-ordinates (2, 3). Which of the following points does not lie on the straight line so formed?

- A. $\left(0, \frac{3}{2}\right)$
- B. $\left(1, \frac{9}{4}\right)$
- C. $\left(\frac{5}{3}, \frac{13}{4}\right)$
- D. $(-2, 0)$
- E. None of the above.

Question No. 76-79: There are four different categories of people in a city: A, B, C and D in three different age groups: below 10 years; 10 years to 20 years (both inclusive); above 20 years of age. The following table provides information about the number of males and females in each of the mentioned age groups.

Age	Males	Females
< 10	180000	120000
10 – 20	360000	300000
> 20	600000	640000

The following table provides information about the number of people in each category as a percentage of the number of people in each of the mentioned age groups.

Category	< 10	10 – 20	> 20
A	20%	40%	10%
B	40%	25%	30%
C	30%	10%	50%
D	10%	25%	10%

Further, it is known that:

1. Amongst people who are below 10 years of age, there are no males in category D.
2. Above the age of 20 years, there are only females in category C.
3. Between the age group 'below 10 years', the ratio of number of males to females in category C is 3:1.
4. In category B, the number of females who are above 20 years of age is same as those between the age 10 to 20 years (both inclusive).

76. Amongst the people who are below 10 years of age, the number of males in category C are

- A. 67500
- B. 62500
- C. 53500
- D. 83500
- E. Cannot be determined.

77. The number of people who are above 20 years of age and who are in category B as a percentage (approximate) of total number of people in the city is

- A. 12%
- B. 14%
- C. 19%
- D. 17%
- E. 13%

78. The absolute difference between the number of people in category B and those who are between the age 10 to 20 years (both inclusive) is equal to

- A. 10% of the number of people in category A who are below the age 10 years.
- B. 10% of the number of people in category C who are between the age 10 to 20 years (both inclusive)
- C. 10% of the number of people in category C who are below the age 10 years.

- D. 10% of the number of people in category D who are below the age 10 years.
- E. None of these

Additional Information for question 79:

The number of males, who are below the age 10 years and belong to category C is equal to the number of females between the age 10 to 20 years (both inclusive) and who belong to category B.

79. What is the approximate percentage of males among the people who are between the age 10 to 20 years (both inclusive) and who belong to category B?

- A. 59%
- B. 60%
- C. 47%
- D. 50%
- E. 40%

80. Find the sum of the following series:

$$32 + \frac{32}{3} + \frac{16}{3} + \frac{16}{5} + \dots \text{ till infinity}$$

- A. 128
- B. 64
- C. 48
- D. 96
- E. None of the above

Question No. 81 - 82 is followed by two statements labeled as I and II. You have to decide if these statements are sufficient to conclusively answer the question. Choose the appropriate answer from the options given below:

- A. If Statement I alone is sufficient to answer the question.
- B. If Statement II alone is sufficient to answer the question.
- C. If Statement I and Statement II together are sufficient but neither of the two alone is sufficient to answer the question.
- D. If either Statement I or Statement II alone is sufficient to answer the question.
- E. Both Statement I and Statement II are insufficient to answer the question.

81. A vessel is in the form of an inverted cone. The vessel has a depth of 16 cm and the diameter at the top, which is open, is 10 cm. It is filled with some liquid (density = 1 gm/cm^3) upto the brim. Few cannons, each of which is a sphere having diameter 1 cm, are dropped into the vessel. Find the number of cannons dropped in the vessel.

- I. When the cannons are dropped in the vessel, the liquid upto half of the depth of the vessel flows out.
- II. When the cannons are dropped in the vessel, one-fourth of the total volume of liquid in the vessel flows out.

82. Six characters A, B, C, D, E and F are written from left to right (not necessarily in the same order as given). Which alphabet is to the right of A?

- I. A does not occupy any of the corner positions and each of C, D and F are to the left of A.
- II. There is exactly one alphabet between B and F.

83. A quadratic expression $ax^2 + bx + c$ leaves a remainder of 6 when divided by $x + 2$, a remainder of 4 when divided by $x + 1$ and is equal to 4 when the value of x is substituted by 0. Find the value of $(a + b + c)$.

- A. 6
- B. 7
- C. 8
- D. 10
- E. 12

Question No. 84-85: A survey of 200 sports persons in a state who played at least one of the three sports named cricket, football and hockey showed that the number of sports persons who played cricket, football and hockey as a percentage of the total number of sports persons surveyed in the state are 22, 15 and 80.

84. The maximum possible number of sports persons surveyed in the state who play all the three given sports as a percentage of the total number of sports persons surveyed in the state could be

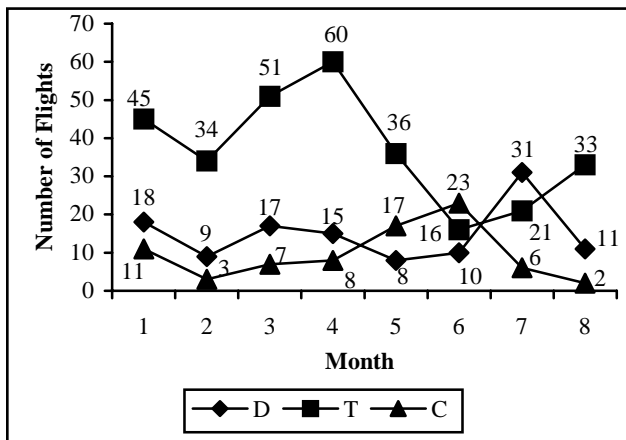
- A. 8.5 %
- B. 17 %
- C. 5 %
- D. 10 %
- E. None of the above.



85. The minimum possible number of sports persons surveyed in the state who all play exactly one of the three given sports as a percentage of the total number of sports persons surveyed in the state could be

- A. 81 %
- B. 82 %
- C. 83 %
- D. 84 %
- E. 85 %

Question No 86-88: The following line – graph provides information about the number of flights that were delayed (D), that were on time (T) and that were cancelled (C) in eight consecutive months (1 to 8) of the year 2008. The total number of flights is equal to the sum of D, T and C.



86. In which month, the number of flights that were cancelled as a percentage of total number of flights is the minimum?

- A. 8
- B. 4
- C. 3
- D. 2
- E. 7

87. In which month, the percentage increase in the value of T over the previous month was the minimum?

- A. 3
- B. 7
- C. 8
- D. 5
- E. 4

88. The total number of flights that were on time as a percentage (approximate) of total number of flights in the given 8 months is

- A. 58
- B. 59
- C. 60
- D. 61
- E. 62

Questions No. 89-90: A tennis coach has to select a doubles pair from five different players each of whom has a distinct 'individual rating' which is less than 20 for each player. He selects pairs of two from the five players and simply added the 'individual rating' of two players. Hence he got a set of 10 'doubles ratings' which were: 18, 20, 22, 23, 24, 26, 27, 28, 29 and 31.

89. What is the numerically highest 'individual rating' of any player among the five?

- A. 15
- B. 16
- C. 17
- D. 18
- E. 20

90. Of all these five 'individual rating', a 'individual rating' is selected at random. What is the probability that the selected 'individual rating' is prime?

- A. $\frac{1}{5}$
- B. $\frac{2}{5}$
- C. $\frac{4}{5}$
- D. $\frac{3}{5}$
- E. None of the above

For question 91, a statement is followed by three conclusions. Select the answer from the following options.

- A. Using the given statement, only conclusion I can be derived.
- B. Using the given statement, only conclusion II can be derived.
- C. Using the given statement, only conclusion III can be derived.
- D. Using the given statement, all conclusions I, II and III can be derived.
- E. Using the given statement, none of the three conclusions I, II and III can be derived.

91. Operation “#” and “\$” are defined by -

$$a \# b = \frac{1}{b} - \frac{1}{a}$$

$$a \$ b = 1 + \frac{1}{ab}$$

Conclusion I. $(2 \$ 4) \# (1 \$ 2) > 0$

Conclusion II. $(3 \# 2) \$ (4 \# 3) = 65$

Conclusion III. $(2 \# 1) \# (1 \# 3) = -3$

92. The cost of running a train is given by Rs. 200 for every meter covered till it is running at a maximum speed of 20 m/s. Beyond that for every ‘1 m/s’ increase in the train’s speed the cost would go down by Rs.5 for every meter covered. Hence, at 21 m/s and 22 m/s it would be Rs. 195 and Rs. 190 per meter respectively. What can be the maximum possible cost of running the train at some constant speed for a period of 20 minutes?

- A. Rs. 45,00,000
- B. Rs. 36,00,000
- C. Rs. 54,00,000
- D. Rs. 20,00,000
- E. None of the above.

93. Three boys Kirk, James and Cliff are standing on three distinct points on a square track ABCD (AB = 3 m) such that these points are equidistant from each other when measured along the track. Initially Kirk is at A. The three all start walking with the same speed along the track in anticlockwise manner till Kirk reaches E which is

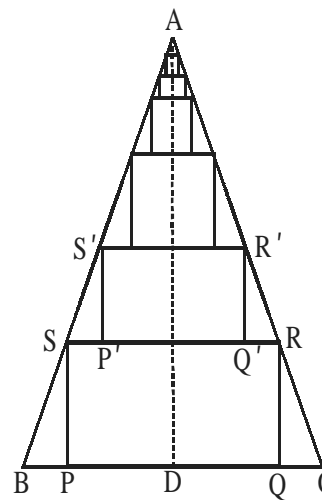
the mid point of AB. Find the circum-radius of the triangle formed by joining the three new positions of these boys.

- A. 1.60 m
- B. 1.67 m
- C. 1.70 m
- D. 1.73 m
- E. 1.83 m

94. A Lorrey of length 20 m (traveling east to west at uniform speed 3.6 km/hr) reaches point A at the same time when a Train (traveling north to south at uniform speed 108.0 km/hr) is also about to reach point A has its rear end 1 km away from the point A. If the train has to avoid a collision with the Lorrey then its length must be less than (neglect the width of the train)-

- A. 400 m
- B. 600 m
- C. 790 m
- D. 200 m
- E. 360 m

95. In the isosceles triangle ABC (AB = AC) square PQRS is inscribed (see figure) such that PQ lies along BC and R and S lie on AC and AB respectively. Similarly square P’Q’R’S’ is inscribed in ASR and so on. What is the fraction of the area of triangle ABC occupied by these squares. Given that D is the mid point of BC and AD = BC.



- A. $\frac{1}{2}$
 B. $\frac{2}{3}$
 C. $\frac{3}{4}$
 D. $\frac{4}{5}$
 E. $\frac{5}{6}$

96. The 1st, 4th and 8th term of an increasing A.P. are in G.P. It is also given that all terms of the A.P. are positive integers. If the 4th, 8th term and real number K (in that order) are in G.P. as well, then find the least possible value of T_n such that $T_n > K$. Given that T_n is the nth term of the A.P.

- A. 33
 B. 22
 C. 11
 D. 25
 E. 30

97. If $[x]$ denotes the greatest integer less than or equal to x and “ $\{x\} = x - [x]$ ”, then find the number of possible solutions for the equation $[x] + 2x = 250 + \{x\}$.

- A. 1
 B. 2
 C. 4
 D. Infinitely many solution are possible
 E. No solution

Question No. 98-100: The following table gives the performance of 3 students James, Lars and Cliff in an examination which consisted of eight tests – S1 to S8. Each of the tests carried maximum marks of 100. Out of these eight tests, five tests carried a weightage of 5 each while three tests carried a weightage of 3 each. The weightage is considered while calculating the ‘percentage score’ of each student for the examination. In the table, exactly which test carried how much weightage is not known.

Name	S1	S2	S3	S4	S5	S6	S7	S8
James	60	71	80	45	55	82	88	64
Lars	50	45	98	66	71	66	78	44
Cliff	71	57	63	71	72	79	64	68

98. What is the maximum possible (approximate) absolute difference between the ‘percentage score’ obtained by James and Lars in the examination ?

- A. 6.81% points
 B. 7.21% points
 C. 12.41% points
 D. 3.61% points
 E. 5.41% points

Additional information for Question 99 and 100:

The absolute difference between ‘percentage score’ for the examination obtained by James and Cliff is minimum possible.

99. What is the absolute value of this difference?

- A. 0.00%
 B. 5.05%
 C. 0.51%
 D. 2.26%
 E. 1.02%

100. What is the percentage (approximate) score obtained by Lars ?

- A. 52.91%
 B. 78.91%
 C. 71.91%
 D. 65.91%
 E. 68.91%