XAT-2010

Test Booklet No. 804084

Name		
XAT ID		Booklet Series: D

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, 31 and 40 questions respectively, i.e. a total of 101 questions. If there is a problem with your test booklet, inform the invigilator/supervisor immediately. You will be provided with a replacement.
- 4. Do not seek clarification on any item in the test booklet from the test invigilator or the centre supervisor. Use your best judgement.
- 5. You are required to answer questions from all three sections and expected to maximize scores in each section.
- 6. 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.
- 7. 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.
- 8. Use only HB pencil for marking answers on the OMR answer sheet.
- 9. NEGATIVE MARKS (one fifth of a mark) may be deducted for each of the first five incorrect answers in each section and 0.25 (quarter of a mark) for each incorrect answer thereafter.
- 10. Failure to follow instructions and examination norms will lead to disqualification.

To open the test booklet, insert a pencil beneath this page and tear open along the right side of the test booklet as indicated by the arrow at the bottom of the page.

PLEASE WAIT FOR THE SIGNAL TO OPEN THE TEST BOOKLET.

BEST OF LUCK!

Open from this side

Section A - Analytical Reasoning and Decision Making senior General Manager had terried the situation as trave. Let's current

Question No. 1-3 are based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question.

In a local pet store, seven puppies wait to be introduced to their new owners. The puppies, named Ashlen, Blakely, Custard, Daffy, Earl, Fala, and Gabino, are all kept in two available pens. Pen 1 holds three puppies, and pen 2 holds four puppies.

the airline would save Rs 8 crore a year. This is just the tip

If Gabino is kept in pen 1, then Daffy is not kept in pen 2.

If Daffy is not kept in pen 2, then Gabino is kept in pen 1.

If Ashlen is kept in pen 2, then Blakely is not kept in pen 2.

If Blakely is kept in pen 1, then Ashlen is not kept in pen 1.

- Which of the following groups of puppies could be in pen 2?
- A. Gabino, Daffy, Custard, Earl.
- B. Blakely, Gabino, Ashlen, Daffy.
- C. Ashlen, Gabino, Earl, Custard.
- D. Blakely, Custard, Earl, Fala.
- E. Gabino, Ashlen, Fala, Earl.
- If Earl shares a pen with Fala, then which of the following MUST be true?
 - A. Gabino is in pen 1 with Daffy.

 - C. Blakely is in pen 2 and Fala is in pen 1.
 - D. Earl is in pen 1.
 - E. Gabino shares a pen with Blakely.
- 3 If Earl and Fala are in different pens, then which of the following must NOT be true?
 - A. Fala shares a pen with Custard.
 - B. Gabino shares a pen with Ashlen.
 - C. Earl is in a higher-numbered pen than Blakely.
 - D. Blakely shares pen 2 with Earl and Daffy.
 - E. Custard is in a higher-numbered pen than Fala.

Question No. 4-6: Read the following passage and answer the questions that follow.

In calendar year 2008, there was turbulence in the air as Jet Airways' Chairman pondered what course of action the airline should take. Air India was also struggling with the same dilemma. Two of India's largest airlines, Air India and Jet Airways, had sounded caution on their fiscal health due to mounting

operational costs. A daily operational loss of \$2 million (Rs 8.6 crore) had in fact forced Jet Airways to put its employees on alert. Jet's senior General Manager had termed the situation as grave. Jet's current losses were \$2 million a day (including Jet-Lite). The current rate of Jet Airways' domestic losses was \$0.5 million (Rs 2.15 crore) and that of JetLite was another \$0.5 million. International business was losing over \$1 million (Rs 4.30 crore) a day.

The situation was equally grave for other national carriers. Driven by mounting losses of almost Rs 10 crore a day, Air India, in its merged avatar, was considering severe cost-cutting measures like slashing employee allowances, reducing in-flight catering expenses on short-haul flights and restructuring functional arms. The airline also considered other options like cutting maintenance costs by stationing officers at hubs, instead of allowing them to travel at regular intervals.

Jet Airways, Air India and other domestic airlines had reasons to get worried, as 24 airlines across the world had gone bankrupt in the year on account of rising fuel costs. In India, operating costs had gone up 30-40%. Fuel prices had doubled in the past one year to Rs 70,000 per kilolitre, forcing airlines to increase fares. Consequently, passenger load had fallen to an average 55-60% per flight from previous year's peak of 70-75%. Other airlines faced a similar situation; some were even looking for buyers. Domestic carriers had lost about Rs 4,000 crore in 2007-08 with Air India leading the pack. "As against 27% wage bill globally, our wage bill is 22% of total input costs. Even then we are at a loss," an Air India official said. Civil aviation ministry, however, had a different take. "Air India engineers go to Dubai every fortnight to work for 15 days and stay in five star hotels. If they are stationed there, the airline would save Rs 8 crore a year. This is just the tip of the iceberg. There are several things we can do to reduce operational inefficiency". According to analysts, Jet Airways could be looking at a combined annual loss of around Rs 3,000 crore, if there were no improvement in operational efficiencies and ATF prices. Against this backdrop, the airline had asked its employees to raise the service bar and arrest falling passenger load.

- Which of the followings are the reasons for Jet Airways not doing well?
 - 1. Rising ATF prices
 - 2. Reduced passenger load
 - 3. Declining service quality
 - 4. Staff travelling to Dubai
 - A. 1 and 2
 - B. 2 and 3
 - C. 1,2 and 3
 - D. 1,2 and 4
 - E. 1,2,3 and 4
- The total loss for the airline industry was likely to be Rs. 10,000 crore. Jet Airlines lost Rs. 3,000 crore, Air India lost Rs. "X" crore and "rest of the airlines" lost Rs. "Y" crore. What was the loss for the "rest of the airlines", in 2008?
 - A. Cannot be determined
 - B. Rs. 3,350 crore

- D. Rs. 3,340 crore grow a rough diagram. Choose the response that most grown a rough diagram. E. None of the above Suppose fuel constitutes 30% of the revenues, do you think airlines would be in a better situation by reducing prices? A. Yes B. Data insufficient to reach decision D. It would not matter E. None of the above Question No. 7-8: Read the following passage and answer the questions that follow. An audit unearthed a financial scam in NWC Corporation. One or more among the 9 financial accountants of NWC Corporation are suspected to have fudged the accounts. Following are the statements made by the nine suspects. Shrinivas: Nagraj fudged the accounts Datta: Shrinivas did not fudge the accounts Nagraj: Datta is lying and I did not fudge accounts Jose: Shrinivas is telling the truth Samuel: Exactly three of the suspects are telling the truth Ejaz: Datta is lying and Shrinivas fudged the accounts Chaudhary: Datta fudged the accounts Ganeshan: Datta is lying and Shrinivas is telling the truth Panda: Samuel is lying If Samuel is telling the truth, which of the following statements is true? A. Chaudhury and Datta are telling the truth B. Nagraj fudged the accounts C. Chaudhury and Jose are telling the truth D. Shrinivas and Datta are telling the truth E. Shrinivas fudged the account 8 If Panda is lying, which of the following statements cannot be true?
 - A. Nagraj, Ganeshan and Ejaz are all lying
 - B. Datta fudged the accounts
 - C. Shrinivas did not fudge the accounts
 - D. Jose and Shrinivas are telling the truth
 - E. Nagraj fudged the accounts

Question No. 9-13 are based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question.

Five colleagues pooled their efforts during the office lunch-hour to solve the crossword in the daily paper.

Colleagues: Mr. Bineet, Mr. Easwar, Ms. Elsie, Ms. Sheela, Ms. Titli.

Answers: Burden, Barely, Baadshah, Rosebud, Silence.

Numbers: 4 down, 8 across, 15 across, 15 down, 21 across.

Order: First, second, third, fourth, fifth.

- 1. Titli produced the answer to 8 across, which had the same number of letters as the previous answer to be inserted, and one more than the subsequent answer which was produced by one of the men.
- 2. It was not Bineet who solved the clue to 'Burden', and Easwar did not solve 4 down.
- 3. The answers to 15 across and 15 down did not have the same number of letters.
- 4. 'Silence', which was not the third word to be inserted, was the answer to an across clue.
- 5. 'Barely' was the first word to be entered in the grid, but 'Baadshah' was not the second answer to be found.
- 6. Elsie's word was longer than Bineet's; Sheela was neither the first nor the last to come up with an answer.
- 7. Fifth one to be worked out was an answer to an across clue.
- 9 What was Sheela's word?
 - A. Baadshah
 - B. Silence
 - C. Rosebud
 - D. Barely
 - E. Burden
- 10 What could be Titli's answer?
 - A. Baadshah
 - B. Silence
 - C. Rosebud
 - D. Barely
 - E. Burden
- 11 What was Titli's order?
 - A. First
 - B. Second
 - C. Third
 - D. Fourth
 - E. Fifth

- What was Easwar's number?
 - A. 4 down
 - B. 21 across
 - C. 8 across
 - D. 15 down
 - E. 15 across
- 13 What was Bineet's word?
 - A. Barely
 - B. Burden
 - C. Silence
 - D. Rosebud
 - Question No. 17-21 are based on a set of conditions. In answering some of the goldands. Bay

Question No. 14-16 are based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question.

Seven bands were scheduled to perform during the weeklong music festival at XLRI. The festival began on a Monday evening and ended on the Sunday evening: Each day only one band performed. Each band performed only once. The organizing committee had the task of scheduling the performances of the seven bands — Cactus, Axis, Enigma, Boom, Fish, Dhoom and Bodhi Tree. The festival schedule followed the following conditions: the performance of Bodhi Tree, the home band of XLRI, did not precede the performance of any other band. Among the visiting bands three were rock bands and the other three were fusion bands. All three bands of the same genre were not allowed to perform consecutively. Boom, which was a rock band, refused to perform immediately before or after Fish. Meet, who was a lead vocalist with a rock band, refused to perform after Angelina. Angelina, the only female lead vocalist in the music fest besides Bony, was with the band Enigma. Angelina refused to perform after Thursday citing personal reasons. Ali, who was the lead vocalist of a rock band, was not with the band Dhoom, and did not perform on Saturday. Sid, the lead vocalist of the rock band Cactus, could perform only on Monday. Rupam, the only male among the lead vocalists of the fusion bands, was with Fish and performed on Wednesday. None of the bands performed in absence of their blead vocalist.

- 14 All of the following statements can be true except:
 - A. If Meet was the lead vocalist of Axis then Ali was the lead vocalist of Boom.
 - B. If Meet was the lead vocalist of Dhoom then Bony was the lead vocalist of Axis.
 - C. If Bony was the lead vocalist of Dhoom then Meet was the lead vocalist of Axis.
 - D. If Ali was the lead vocalist of Boom then Meet was the lead vocalist of Dhoom.
 - E. If Bony was the lead vocalist of Axis then Meet was the lead vocalist of Boom.
- Which of the following must be true?

- A. Ali performed on Saturday and Enigma performed on Thursday.
- B. Dhoom performed on Thursday and Angelina performed on Tuesday.
- C. Boom performed on Friday and Meet performed on Tuesday.
- D. Ali performed on Friday and Enigma performed on Tuesday.
- E. Bony performed on Saturday and Axis performed on Thursday.
- Which of the following is a plausible performance sequence?
 - A. Cactus, Enigma, Fish, Dhoom, Boom, Axis
 - B. Cactus, Dhoom, Fish, Boom, Enigma, Axis
 - C. Cactus, Axis, Fish, Boom, Enigma, Dhoom
 - D. Cactus, Axis, Fish, Enigma, Boom, Dhoom
 - E. Cactus, Boom, Fish, Axis, Enigma, Dhoom

Question No. 17-21 are based on a set of conditions. In answering some of the questions, it may be useful to draw a rough diagram. Choose the response that most accurately and completely answers each question.

A BPO has assigned duty to nine operators – Abdulla, Ballal, Chandan, Dogra, Eshita, Falguni, Ganguli, Henri and Indra – on Monday, January 05, 2009 from 00:00 hours. Each operator commences duty at any of the following hours: 00:00 hrs, 04:00 hrs, 08:00 hrs, 12:00 hrs, 16:00 hrs and 20:00 hrs. At any point in time, at least one operator is required, to take clients' calls. Each operator work continuously for eight hours. All operators located at any single location start work simultaneously. The operators took training in five different colleges - Abhiman College, Sutanama College, Gutakal College, Barala College and Khatanama College. These colleges are located in the cities Jamshedpur, Pune, Noida, Hyderabad and Mangalore, not necessarily in that order. The operators operate from the cities where their respective colleges are located.

Indra operates alone from a city other than Mangalore and Jamshedpur. Operator(s) trained in Abhiman College will start working at 12:00 hrs. Only Dogra and Falguni operate from Pune, but they are not trained in Gutakal College. Three of the operators took training from Sutanama College, and they operate from Noida. The operator(s) from Jamshedpur will start working at 0:00 hrs. Abdulla and Henri operate together as a two member team from a single location. They do not operate from Mangalore. No operator(s) will join at 20:00 hrs. Ballal, who alone operates from his location, was not trained in Barala College, and will commence his duty four hours after the operator(s) trained in Gutakal College. The operator(s) trained in Barala College operate from Hyderabad. The number of operator(s) trained in Khatanama College is same as the number of operator(s) trained in Barala College.

- Which of the following statements must be true?
 - A. Dogra and Henri took training from Khatanama College
 - B. Indra took training from Barala College
 - C. Dogra and Falguni took training from Barala College
 - D. Indra took training from Ahiman College

- E. Ballal took training from Abhiman College dulescoons the novel disconnected to permission when
- Which of the following can be true for the operators operating from 20:00 hrs (of January 05, 2009) to about 00:00 hrs (of January 06, 2009)? Solves and toll popular all adapted and bestook stimesticated.
 - A. Operators took training from Khatanama College and operate from Mangalore
 - B. Operators took training from Barala College and operate from Pune. 1131 at 1 ad bluode tad VI
 - C. Operators took training from Sutanama College and operate from Noida.
 - D. Operators took training from Gutakal College and operate from Mangalore.
 - E. Operators took training from Abhiman College and operate from Pune. 201 1911 1911
- Which of the following statements must be true for the operator(s) trained in Gutakal College?
 - A. They are Abdulla and Henri, and work from Jamshedpur.
 - B. They are Dogra and Falguni, and work from Pune. I ail second but associativelled adubted.
 - C. She is Eshita, and works from Mangalore.
 - D. She is Indra, and works from Pune.
- E. They are Chandan and Ganguli, and work from Jamshedpur.
- 20 Which of the following is not definitely true? The smear of weakermore of relies of noises and and
- A. At least three operators will be working between 04:00 hrs to 08:00 hrs.
- B. At most five operators will be working between 04:00 hrs to 08:00 hrs. 200 modw 25mil Vives
- C. At most five operators will be working between 12:00 hrs to 16:00 hrs.
 - D. At most six operators will be working between 16:00 hrs to 20:00 hrs. sig to again (d bookles)
 - E. At least three operators will be working between 16:00 hrs to 20:00 hrs.
- 21 If five operators are working between 16:00 hrs and 20:00 hrs, which of the following must be true?
- A. The only operator working between 8:00 hrs and 12:00 hrs is Ballal. A sound to be a look to b
 - B. The operators working between 12:00 hrs and 16:00 hrs are Ballal, Dogra and Falguni.
 - C. The operators working between 12:00 hrs and 16:00 hrs are Dogra, Henri and Falguni.
- D. The operators working between 16:00 hrs and 20:00 hrs are Indra, Dogra, Falguni, Chandan and Ganguli.
- E. The operators working between 20:00 hrs and 0:00 hrs are Chandan, Ganguli and Eshita.
- Dr. Puneet worried about the test results of his patient, Ms. Benita. Ms. Benita was an old rich widow with no dependents. The results indicate that Ms. Benita has the potentially fatal Lymphanigioleiomyomatosis (LAM) disease. LAM is rare and difficult to diagnose. People with LAM often need oxygen and lung transplants as the disease continues its course. According to the test results, Ms. Benita might have got it.

Dr. Puneet explained the situation to Ms. Benita carefully. Without naming the disease, he explained that the disease was progressive and would need treatment using drugs which were still at the experimental stage. Even then, the chance of success was not too bright. If the treatment was unsuccessful, then they would have to get ready for a lung transplant. The lung transplant itself was a

risky course of treatment. Even if successful, she would require constant medical support and treatment.

Ms. Benita looked blank. She asks Dr. Puneet for his advice about the course of action. He nods gravely, "I'm afraid, Ms. Benita, I think there is only one course we can take."

What should be Dr. Puneet's advice? The problem of the problem of

- A. Tell Ms. Benita the details of the disease. The post of the disease. The post of the disease of the disease.
- B. Conduct another test to confirm the diagnosis. The manufacture and another test to confirm the diagnosis.
- C. Leave the matter; anyway the outcome cannot be changed.
- D. Treat Ms. Benita without telling her about the disease. The proposition and the desired and
- E. Propose that Ms. Benita go ahead with the experimental drugs.

Read the following case and choose the best alternative (Question No. 23-26):

Guruji's guidance and inval school has an bull at oil 2. Al

Bhola, an avid nature lover, wanted to be an entrepreneur. He dreamt of establishing a chain of huts in Chatpur region to cater to tourists, who came attracted by the beauty and splendour of the Himalayas.

However, he was appalled by current degradation of the Himalayan environment. He remembered the early times when everything was so green, clean and peaceful. Now, greenery was replaced by buildings, peace was shattered by honking of vehicles and flocking of tourists, and cleanliness was replaced by heaps of plastics.

Bhola had a strong sense of right and wrong. On speaking to few locals about the issue, he realized that the locals were aware of these issues. However, they pointed out the benefits of development: *pucca* houses for locals, higher disposable income and with that, ability to send their children to better schools and colleges, better road connectivity, and access to latest technology in agriculture. Most locals wanted the development to continue.

Saddened by the lack of support from the locals, Bhola took up the issue with the government. He met the chief minister of the state to find out if government could regulate the developmental activities to prevent environmental degradation. However, the chief minister told Bhola that such an action would slow down the economic progress. That also meant loss of substantial tax revenues for the government.

Bhola needed to resolve the dilemma. Bhola always wanted to be an entrepreneur, who could contribute to the society and earn money as well. However, his business would also be responsible for destroying environment. If he did not set up his business, he would not be able to earn money and contribute to the society.

After mulling over the issues, he went to his mentor "Guruji". Guruji realized that it was really a difficult puzzle: if one saves the environment, there seems to be no development and if the people and the government sought development, the environment and hence future of this planet and human beings was at stake. After careful thought, he felt that dilemma could be resolved. He fixed up a

meeting with Bhola to answer Bhola's queries, a guille of making to notificate the opposition of making by a guille of the same and the

- 23 Should Bhola still think of doing business? The party of westgood and antibusing stableship selection
 - A. Yes, where there is a will, there is a way.
 - B. No, saving the Earth for our children is more important than earning money.
 - C. Yes, Bhola should do business while ensuring no environmental damage is done. good award
 - D. Yes, but only if the government puts strict environmental regulations in place.
 - E. Bhola should stop thinking about such a dilemma.
- 24 Bhola wanted to advise the government about the new tourism policy. Bhola had developed a few alternatives as given below. Choose the best alternative.
 - A. Stop environmental degradation by stopping the developmental activities. A. Stop environmental degradation by stopping the developmental activities.
 - B. Forget about the environment; think about the people as they are the vote banks for politicians to come back to power.
 - C. Suggest that the government should try to promote eco-tourism, which would be controlled and regulated by the government, as the government could think about welfare of majority of stakeholders.
 - D. Suggest that the government should promote eco-tourism with public-private partnership with the involvement of NGOs, so that there are checks and balances for inefficiencies and promotion for synergetic efforts between the government and private entrepreneurs.
 - E. Involvement of impartial entities like NGOs who would provide a fair assessment of the policies.

E. Stop thinking about chies altogether as ethical issues are difficult to resolve

- Bhola wished he was heading the government. He had listed down five concrete measures he would take if he were to head the government. Choose the best alternative.
 - A. Charge environmental cess from all businesses operating out of Himalayas. I AulguT augus A
 - B. Charge cess from anyone who pollutes the environment, it be citizens or industries and reward those who have contributed to afforestation the most.
 - C. All profit making organizations have to take responsibility of afforestation proportionate to their profitability.
 - D. Think about maximising the revenues and forget about the environment.
 - E. Institute a *Green Valley Reward*, which would be given to businesses highly active in afforestation efforts.
- Visualising he was heading the state government, Bhola thought of a likely problematic situation. Five years have passed. In these five years, Bhola has initiated a lot of pro-environment steps, including making people aware of the fact that it was this pristine environment which brought in tourists in the first place. Now he faced state elections. The opposition accused him of stopping development and causing unemployment under the guise of environment protection. If Bhola were to consider this accusation as a short-term battle, which option would Guruji suggest to Bhola to score a quick win?
- A. Accuse the opposition of having vested interests as the opposition leaders were denied licences for opening new hotels.
 - B. Point out the improvement in environment since the implementation of pro-environment policies.
 - C. Compare the unemployment levels since the implementation of the pro-environment policies and if

they are less, accuse the opposition of making baseless charges.

- D. Point out that this government had initiated a regular cleaning-up drive and the opposition did not consider the data regarding the people who were employed in that drive.
- E. Call the charges as baseless accusations being used to malign the good work he had done.
- Some environmentalists tired of waiting for 'green economics' to catch up with the society at large, have adopted their own strategies for tipping the financial calculation in favor of the land. In the forests surrounding Vancouver, where trees are being felled for paper to print philosophy books (well, maybe one or two, but it's worth it), groups have used metal spikes hidden in trees to prevent the chainsaws from operating safely, pushing up the price of harvesting the trees. In Phoenix, Arizona, where mountain nature reserves have been encroached on by new houses, hooded vigilantes have burnt down the new residences. The arsonists, according to the local paper, pray before they burn down a house that no one will get hurt, thinking primarily of the fire-fighters the new houses are burned while still empty. 'We don't pray for ourselves not to get caught that's God's will,' one is quoted as saying.

As per the activists, all aforementioned activities seem clearly very principled. But is it ethical?

- A. Yes, arsonists are right.
- B. No, they have no justification for damaging other people's property.
- C. No, as it is not taken up in a peaceful manner. but incompanyog affilms
- D. No, as the activities are not carried out in a legal manner. Military local temporal to the movious
 - E. Stop thinking about ethics altogether as ethical issues are difficult to resolve.

Read the following case and choose the best alternative (Question No. 28-30):

Ranjan Tuglak, the youngest cabinet minister of the newly elected coalition, glanced through the notes prepared by his secretary regarding the recent controversies on *racket*, the most popular game of the country. While International Racket Association (IRC) has agreed to implement Drug Testing Code (DTC) promoted by World Athletic and Games Federation, Racket Club which controls the entire *racket* related activities (unlike any other sports and games of the country) had some reservations regarding the initiative. Majority of the citizens waited for the international competitions eagerly and were fanatical about their country's participation in them. As a result of the popularity of the game, 70% of the total revenue associated with the game originates from the country. Hence Racket Club has high bargaining power with IRC and can change any decision that is not aligned with its interests. Three most popular and senior players, including the captain, are against the application of DTC citing security reasons. A decision against the interests of these players may result in law and order problems throughout the country. Other players support the decision of their senior colleagues and if Racket Club refuses to agree, players may support Counter Racket Club, a new national level initiative. Counter Racket Club may threaten the monopoly of Racket Club, if it succeeds to attract some popular *racket* players.

Ranjan's father had been forced to resign from politics due to alleged corruption charges. Ranjan had completed his entire education from abroad before returning to join politics. He is a great soccer player and has major reservations against *racket*. According to him, *racket* has negative influence on the country's youth and diverts their attention from productive work. He also considers drug testing as an

essential feature for any sports and games across the world. As the new cabinet minister for Youth and Sports he needs to take some important decisions on this controversial issue.

- If the objective of Ranjan is to (i) create a good image of himself as a politician and (ii) create a long lasting positive impact, the best decision he should take is:
 - A. Force Racket Club to accept all modifications related to drug testing.
 - B. Provide adequate security protection to the satisfaction of players nominated by Racket Club before enforcing drug testing.
 - C. Align with Counter Racket Club.
 - D. Popularise soccer in country through endorsements by the popular players of racket.
 - E. Ban racket.
- 29 Identify the best rationale that may force Ranjan as a politician to take a decision in favour of IRC.
 - A. President of Racket Club and Ranjan belong to different political coalitions and he can use Counter Racket Club against the opponent.
 - B. Next World cup is scheduled to be held in a country which has adopted DTC as the guiding principle.
 - C. Ranjan is interested in reducing the popularity of racket in country.
 - D. As the cabinet minister, Ranjan has the power to take such a decision.
 - E. Top three international teams (and respective national clubs) are keen to implement DTC.
- According to DTC, each athlete/sportsperson need to submit a schedule for three months (in advance) that specifies an hour each day when they can be randomly tested for drugs. DTC also assured the confidentiality of the submitted schedule by (i) limiting the access of player-supplied information to two senior officers, (ii) these officers will have the internet based access only to the schedule of those sports persons who are randomly selected for testing (and not of everyone) and (iii) introducing similar security features for DTC database as in case of financial institutions. Top three popular players realize that no reason other than security can help them to get a favourable decision from Ranjan. Hence during discussions they should focus on all options except:
 - A. Any clue related to their private schedules may also result in huge public gathering and it will make the job of security agencies very difficult.
 - B. Popular racket players are included in the hit list of terrorist organisations.
 - C. Recent report by World Bank rate their country among the top five nations with maximum amount of internet based data stealing.
 - D. It is difficult to provide adequate security coverage in large stadiums where *racket* is played.
 - E. DTC is not willing to share the details of two senior officers involved in drug testing with the security agencies of the country for background study.

Section B - Verbal Ability and Logical Reasoning

31 Read the sentences and choose the option that best arranges them in a logical order.

- 1. He might make the opposite mistake; when I want to assign a name to this group of nuts, he might understand it as a numeral restrictions related to drug testing the numeral restrictions and the numeral restrictions are not of the numeral restrictions.
- 2. Now, one can ostensively define a proper name, the name of a colour, the name of a material, a numeral, the name of a point of the compass and so on.
- 3. The definition of the number two, "That is called 'two' " pointing to two nuts is perfectly exact. But how can two be defined like that? End we strong submode a submode control of the number two, "That is called 'two' " pointing to two nuts is perfectly exact. But
- 4. He *may* suppose this; but perhaps he does not.
- 5. The person one gives the definition to doesn't know what one wants to call "two"; he will suppose that "two" is the name given to this group of nuts!

A. 1,2,3,5,4th bank not Racket Club, and Ranton belong to dults an political doctrions and 14,2,8,5,4th A with

B. 2,3,5,4,1

B. Next World cup is scheduled to be held in a country which has adopted DTC as the 1,2,4,2,6.

D. 5,2,3,1,4

E. 2,3,4,1,5

Analyse the following transcript (from the movie *Matrix*) and provide an appropriate answer for the questions 32 through 33 that follow:

According to DFC, each added sportsports on need to submit a selective for three months (in advance) that specifies an hour each day w? Neo: What is this specifies an hour each day w?

of noteMorpheus: More important than what is when. (i) yet subjects bettering out to vitisimsbilings

two senior officers (ii) these officers will have the internet based access only to 1 (ned Wison I those

Morpheus: You believe it's the year 1999 when in fact it's closer to 2199. I can't tell you exactly what year it is because we honestly don't know. There's nothing I can say that will explain it for you, Neo. Come with me. See for yourself. This is my ship, the Nebuchadnezzar. It's a hovercraft. This is the main deck. This is the core where we broadcast our pirate signal and hack into the Matrix. Most of my crew you already know.

(Next Scene: Construct)

Morpheus: This is the construct. It's our loading programme. We can load anything from clothing, to equipment, weapons, training simulations, anything we need.

A. Any cluerelated to their private schedules may also result in home public enthering and a will make

Neo: Right now we're inside a computer programme?

Morpheus: Is it really so hard to believe? Your clothes are different. The plugs in your arms and head are gone. Your hair is changed. Your appearance now is what we call residual self image. It is the mental projection of your digital self.

Neo: This...this isn't real?

Morpheus: What is real? How do you define real? If you're talking about what you can feel, what you can smell, what you can taste and see, then real is simply electrical signals interpreted by your brain.

...This is the world that you know. The world as it was at the end of the twentieth century. It exists now only as part of a neural-interactive simulation that we call the Matrix. You've been living in a dream world, Neo. ...This is the world as it exists today. Welcome to the Desert of the Real. We have only bits and pieces of information but what we know for certain is that at some point in the early twenty-first century all of mankind was united in celebration. We marvelled at our own magnificence as we gave birth to AI.

Neo: AI? You mean artificial intelligence? In management and among an intelligence?

Morpheus: A singular consciousness that spawned an entire race of machines. We don't know who struck first, us or them. But we know that it was us that scorched the sky. At the time they were dependent on solar power and it was believed that they would be unable to survive without an energy source as abundant as the sun. Throughout human history, we have been dependent on machines to survive. Fate it seems is not without a sense of irony. The human body generates more bio-electricity than a 120-volt battery and over 25,000 BTU's of body heat. Combined with a form of fusion the machines have found all the energy they would ever need. There are fields, endless fields, where human beings are no longer born, we are grown. For the longest time I wouldn't believe it, and then I saw the fields with my own eyes. Watch them liquefy the dead so they could be fed intravenously to the living. And standing there, facing the pure horrifying precision, I came to realize the obviousness of the truth. What is the Matrix? Control. The Matrix is a computer generated dream world built to keep us under control in order to change a human being into this.

Neo: No. I don't believe it. It's not possible another at to anish and to suggest the

Morpheus: I didn't say it would be easy, Neo. I just said it would be the truth.

Neo: Stop. Let me out. Let me out. I want out. organization like sure in an additional and a said in

- 32 The innate factor responsible for the status of human beings in later part of 22nd century is
 - A. Due to human beings living in a dream world and being happy about it. from any adversarial and the same an
 - B. The ability of human body to generate bio-electricity. In multiplicating belowing and value would
 - C. The decision to scorch the sky, non-ob-pozotle grad no changes and suggest various graduals to
 - D. The development of artificial intelligence by human beings.
 - E. Due to human beings developing the ability to hack into the matrix.
- 33 Choose the option that *cannot* be inferred from the idea discussed in the transcript:
 - A. Morpheus and his crew have developed an ability to hack into the matrix.
 - B. A war between human beings and machines is going on for some decades.
 - C. The sources of power for human beings and machines were different.
 - D. Machines require human beings for their survival now arms mi solvense no danses.
 - E. Morpheus and his crew are not entirely controlled by the matrix.
- Widespread use of lectures in class-rooms in business schools leads to severe negative consequences. The first consequence is theoretically knowledgeable graduates who cannot apply theory to solve real world problems. The more serious consequence is that lectures encourage a feeling of total omniscience among them which persists for quite some time after graduating. This feeling prevents them from learning from their subordinates and colleagues.

Which of the following can best help to reduce these negative consequences among the students

in a business school? We see that the seed of a business school and the seed of the seed o

- A. Use illustrations of real life problems in classrooms.
- B. Send the students to find business problems so that it can be discussed in classrooms.
- C. Business education to be given to students, who have work experience.
- D. Modify the pedagogy to have knowledge of theory and application in parallel. divid average and application in parallel.
- E. Removing theoretical inputs from the curriculum altogether; only practical problems to be discussed in class rooms.

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

Silver is especially and repetitively savage about what he sees as the extravagant claims made for particle physics, arguing that once the proton, neutron, and electron were found and their properties experimentally confirmed, the very expensive searches for ever more exotic particles, such as the Higgs Boson, were increasingly harder to justify other than by their importance to particle physicists. Most of the particles resemble ecstatic happiness: They are very short-lived and have nothing to do with everyday life. His repeated assault goes to the level of sarcasm: "Finding the Higgs Boson will be a magnificent technical and theoretical triumph. Like a great Bobby Fisher game". Of course, this is a tad unfair, even if some of the claims of its practitioners invite such assaults on their field.

- Which of the following, if true, will weaken the argument described in the passage? 101 got 200
 - A. All streams of new science need to undergo through a period of uncertainty and we should not criticise research in particle physics alone.
 - B. Necessity is the mother of every invention. In bloom page to an animal signed remodes and a
 - C. Knowledge has preceded application in all spheres of science. of glood named to guilde and a science of glood named to guilde and a science.
 - D. Funding agency supporting research on Higgs Boson do not mind wasting their money.
 - E. Do not expect everyone to appreciate everything.
- 36 Identify the statement(s) that is(are) logically consistent with the content of the paragraph:
 - I. Silver is an ardent critic of Higgs Boson theory.
 - II. Everyday life has nothing to do with experimental confirmation of the properties of proton, neutron and electron.

E. Due romannan beings devel, pure the abelity IIs nack into the majoris

- III. Identifying more information about Higgs Boson is a significant contribution to particle physics.
- IV. Research on exotic particles in particle physics is an expensive proposition.
- A. Only I
- B. Only II a regard use of lectures in class-rooms in business actionly leads to severe negative II yind
- C. Only II and IV to consequence itself and IV to connect on the first consequence is the order of the III and IV to consequence itself and IV to consequence of the III and IV to consequence of the III and IV to connect on the III and III and
- D. Only IV a more serious consequence is that learness encourage a VI vint.

Analyse the following passage and provide an appropriate answer for the questions 37 through 38 that follow.

Fashion is different from custom, or rather is a particular species of it. That is not the fashion which everybody wears, but which those wear who are of a high rank, or character. The graceful, the easy, and the commanding manners of the great, joined to the usual richness and magnificence of their dress, give a grace to the very form which they happen to bestow upon it. As long as they continue to use this form, it is connected in our imaginations with the idea of something that is genteel and magnificent, and though in itself it should be indifferent, it seems, on account of this relation, to have something about it that is genteel and magnificent too. As soon as they drop it, it loses all the grace, which it had appeared to possess before, and being now used only by the inferior ranks of people, seems to have something of their meanness and awkwardness.

- Which phrase would be the best title of the passage?
- A. Proletariat fashion models and fashion shows to be the resulting making the second state of the second
- B. Scourge of fashion which to being these of founds quolvaded named finage and to asset
- C. The clothes maketh the man of the tot tuges salt beyons had not alrangen title colors as the second
- D. The man maketh the cloth and to animum about planting of three productions of the cloth
 - E. Predicting fashion-trends and character as humano elaubreiban illa to truet undig after the 200, mente and one of grade idea and one well asked to the character as the control of the
- 38 Which is nearest to the central idea in the passage? The state of the passage of the state of the central idea in the passage?
- A. Fashion improves grace of a person.
- B. Grace is indicated by the fashion adopted.
- C. Grace is a characteristic of imaginative persons.
- D. The contemporary nature of fashion portrays the society. It is to be adapted the society of t
- E. Grace is a reflection of the person's rank or character. Look look and entire the second s
- Social roles may either conflict or cooperate within any given person, depending upon the circumstances. They conflict when the behaviour patterns demanded by one role cannot be performed while performing the second role. Thus, one cannot easily be a saintly rake or a feminine brute, but given an understanding husband, a woman can be both a loving wife and a loving mother with no conflict between the roles.

Which of the following methods is used by the author to make his or her point?

- A. Applying an individual attribute to a whole
 - B. Implying contradictions without actually citing them
 - C. Relying on common-sense notions of social roles
 - D. Presenting specific examples to clarify a generality
 - E. Using paradox to highlight an implicit contradiction

40	While no one made any	the financial scandal while he was in the room, there was a
	feeling of awe to the	created by the broker that had snared many unsuspecting investors

1111	under the	that everyone would end up rich and the fact the	hat he had been celebrating his
	of the	e legal authorities by attending parties.	38 that follows not have

The option that best fills the blanks in the above paragraph would be:

- and the commanding manners of the great, joined to the usunoisulli ,noisulla ,noisulla .Adress.
- B. elusion, illusion, allusion, delusion, wotand of gaggad vertically miss very sell of energy service.
- C. allusion, delusion, illusion, elusion to cabi and discontinuous de barramos si il mol
- D. illusion, allusion, delusion, elusion no semps di destallibri ed bluode di lest ni deutode bine
- E. allusion, illusion, delusion, elusion as the month and magnificent too. As soon as the lusion, elusion illusion, elusion as the month and magnificent too.

Analyse the following passage and provide an appropriate answer for the questions 41 through 42 that follow.

One key element of Kantian ethics is the idea that the moral worth of any action relies entirely on the motivation of the agent: human behaviour cannot be said good or bad in light of the consequences it generates, but only with regards to what moved the agent to act in that particular way. Kant introduces the key concept of duty to clarify the rationale underpinning of his moral theory, by analysing different types of motivation. First of all individuals commit actions that are really undertaken for the sake of duty itself, which is, done because the agent thinks they are the right thing to do. No consideration of purpose of the action matters, but only whether the action respects a universal moral law. Another form of action (motivation) originates from immediate inclination: Everyone has some inclinations, such as to preserve one's life, or to preserve honour. These are also duties that have worth in their own sake. But acting according to the maxim that these inclinations might suggests - such as taking care of one's own health - lacks for Kant true moral worth. For example, a charitable person who donates some goods to poor people might do it following her inclination to help the others - that is, because she enjoys helping the others. Kant does not consider it as moral motivation, even if the action is in conformity with duty. The person acting from duty would in fact donate to the other because she recognizes that helping the others is her moral obligation. Final type of motivation suggested by Kant include actions that can be done in conformity with duty, yet are not done from duty, but rather as a mean to some further end. In order to illustrate this type of motivation, Kant provides the following example. A shopkeeper who does not overcharge the inexperienced customer and treats all customers in the same way certainly is doing the right thing - that is, acts in conformity with duty - but we cannot say for sure that he is acting in this way because he is moved by the basic principles of honesty: "it is his advantage that requires it". Moreover, we cannot say that he is moved by an immediate inclination toward his customers, since he gives no preference to one with respect to another. Therefore, concludes Kant, "his action was done neither from duty nor from immediate inclination but merely for purposes of self-interest".

41 Consider the following examples:

i) Red Cross volunteer who donates blood every year to thank an anonymous donor who saved the life of his mother some time back alw labours labours and anonymous donor who saved the life of his mother some time back alw labours labours and labours labours and labours la

DePresenting specific examples to clarify a generality see our

ii) A voluntary organization which conducts regular blood donation camps to improve its legitimacy

As per the passage, correct statement(s) related to the above examples would be:

- I. The source of motivation for both examples is same
- II. Individuals may commit actions for reasons beyond duty
- III. Both examples illustrate the concept of moral worth
- A. Option I only
- B. Option II only
- C. Options I & II
- D. Option III only
- E. Options II & III
- Which of the following inferences would be against the ideas in the passage? 42
 - I. Kantian ethics considers the moral worth of an inclination on the basis of its consequence.
 - II. Actions motivated by the inclination of an individual lacks moral worth.
 - III. Elements of moral obligation reduces the moral worth of a duty, which has some worth in itself. D won't, wont, expatriale, expiate

Angiyse the following passage and provide an appropriate answer

- A. Option I only
- B. Options I & II
- C. Option II only
- D. Option III only-
- E. Options II & III
- "So you want me to proscribe Ceecee...". The most suitable inference about Ceecee can be:
 - A. A book written by a senior politician, who was expelled recently from the party, revealing the unpalatable secrets about the functioning of the government.
 - B. A newly published book from the most respected management expert worldwide.
 - C. A specific medicine requested by a patient; here the request is made to a family doctor, who is also a close friend of the patient. D. A leader who needs moral support from friends: but an analytical and an analytical and an analytical and analytical and analytical and analytical and analytical a

 - E. A student who asks for a specific instruction from her teacher.
- Read the sentences and choose the option that best arranges them in a logical order. 44
 - 1. Well, it may mean various things; but one very likely thinks first of all that a picture of the object comes before the child's mind when it hears the word.
 - 2. But what does this mean?
 - 3. I will call it "ostensive teaching of words". I say that it will form an important part of the training, because it is so with human beings; not because it could not be imagined otherwise.
 - 4. But now, if this does happen is it the purpose of the word? Yes, it may be the purpose. I can imagine such a use of words (of series of sounds).
 - 5. This ostensive teaching of words can be said to establish an association between the word and the thing.

	A. 2,3,4,5,1 B. 2,3,5,4,1					
	C. 3,5,4,2,1					
	D. 5,3,2,1,4					
	E. 3,5,2,1,4					
	L. 3,3,2,1,4					
45	not take it easy as t was at work. Any	they knew it was his employee, once cau orking and if the b	s to give the	m a surprise by co ould then be require	However the employees oming in and checking wared to on had to work on Sunday	who the
		5.				
	The option that be	est fills the blanks i	in the above paragr	aph would be:		
	A. won't, wont, exp	patiate, expiate	alternation in the steem	a beautiful of the section	L. Kantjan ethics con	
	B. won't, wont, exp					
	C. wont, won't, exp	patiate, expiate	Littery leader of the		H. Elements of more	
	D. won't, wont, exp	patriate, expiate	ATTION INTO THE ACT.	WINDS HATTINGSHED IN	HE Elements of the	
	E. wont, won't, exp	oatriate, expatiate			A. Option I only	
	100000		2825	12 15 H21		127
	Analyse the follow	ving passage and p	provide an appropi	riate answer for	the questions 46 throu	ıgh
	48 that follow.				D. Option III only	
	insured men forty- occupations". A pri defined in a similar know his condition	only. We must not to one years old livit robability of death way. We can say not life and health	think of an individualing in a given cour is attached to the conothing about the property detail. The phras	al, but of a certain ntry and not enga- lass of men or to bability of death	pression can be defined class as a whole, e.g., aged in certain danger another class that can of an individual even if death", when it refers t	"all ous be we
16	W/h: -h - C +h - C - 11			patient e	a close friend of the	
46	 Singular, Probabili 	non replicable ever ty calculation requir	nts can be assigned not res data of the class cents can be used to prove the class cents can be used to	numerical probabile of people or of even		
	C. 1 and 2			syamb anomy n	com vam ii "HoW", fi	
	D. 2 and 3					
	E 1 and 2			DESCRIPTION S		
	COMPANY STORY THE PARTY OF THE	will form an impor	words" Lsay that it	to gaidaset sylen		
47	Which of the follo	wing statements wo	ould the author(s) dis	agree to the most?	training, because it	
	The outcome of a	boxing match to	be held in Los An	geles between tw	vo boxers, Joe and Ma	ark,

belonging to two different boxing clubs can be analysed and an outcome can be assigned a numerical

value:

18

- A. if assessment of the boxers' current fitness levels and their strengths is done by experts.
- B. by analysis of outcomes of fights between the boxers belonging to the two clubs.
- C. by analysis of outcomes of fights between the two boxers at different venues.
- D. by comparing outcomes of fights between the two boxers against same opponents.
- E. by analysis of outcomes of fights between the two boxers at the same venue in Los Angeles.
- 48 Which of the following statements would the author(s) agree to the most?

The outcome of a boxing match to be held in Los Angeles between two boxers, Joe and Mark, belonging to two different boxing clubs can be analysed and an outcome can be assigned a numerical value:

- A. if assessment of the boxers' current fitness levels and their strengths is done by experts.
- B. by analysis of outcomes of fights between the boxers belonging to the two clubs.
- D. by comparing outcomes of fights between the two boxers against same opponents.
- E. by analysis of outcomes of fights between the two boxers at the same venue in Los Angeles.
- 49 "The sum of behaviour is to retain a man's dignity without intruding upon the liberty of others", stated Sir Francis Bacon. If this is the case, then not intruding upon another's liberty is impossible.

The conclusion strongly implied by the author of the above passage is: olleagable of allea A

- A. Retaining one's dignity is impossible without intruding upon another's liberty. We little A. A.
- B. Retaining dignity does not necessarily involve robbing other's liberty.
- of bir C. Dignity and liberty are mutually exclusive. Joseph Isnottoma hadrangling and birty are mutually exclusive.
 - D. There is always the possibility of a 'dignified intrusion'. In segant and intrusion's segant and segant and
 - E. Retaining dignity never involves intrusion into other's liberty.
- 50 Gourmet is to gourmand as
 - A. aquatic is to aqueduct
 - B. foliage is to fodder
 - C. ecclesiastic is to earthy
 - D. election is to elector
 - E. epitaph is to epilogue

The option that best fills the blank in the above sentence would be:

- A. high pitched
- B. pitched high at to sense nominous as anticipation of annion sense or in high ballength mem
- C. possessing of high pitch unidiamor mode nonsulofa to polyulongo leolgol slatil a (1) soggisted
 - D. characterised by pitch

	The option that best fills the blank in the above sentence would be:
	which of the ratios agence mints would the inthorest agree to she most?
	A. mode
	The outcome of a breaky malicle to be held life Los Angeles between two box tnamurtani . B.
	belonging to two different begang cluby can be analysed and an outcome can be need muibon .Do
	D. media
	E. method
53	"Indigestion? Acidity? Unable to sleep?Don't spend the night tossing and turning! Take <i>Magix</i> for a sound, restful sleep you'll soon fall asleep, and wake up refreshed and energized. Remember <i>Magix</i> when you are suffering from acidity and need that sleep!"
	F. by analysis of successed in the between the two boxers at the same venue in Lov Angeles.
	All of the following are claims of Magix except:
	10. The sum of behaviour is to return a rate a dignify without introding upon the liberty of others. It is a control of the poor A A A.
	A. A good night's sleep blacked and a more ambiguithed with the state of the first mark assume the B. Added energy
	C. A cure to indigestion agazzage and side to another of the indigestion agazzage and substance of the side of the
	D. Quickly falling asleep
	E. A restful slumber of a radiom nodu garburier mostly bldizzonni si vilagia a one gaininest . A
	B. Retaining dignity does not necessarily involve robbing other a liberty.
54	Filmmakers tend to highlight their emotional points with visuals, rather than dialogue. Words tend to be the tools of playwrights. Images are the stuff that films are made of. Nevertheless, many successful films have been made from stage plays and contain little else than one location or one stage set.
	The option most opposite to the idea in the paragraph:
	A. Films are not necessarily a filmmaker's medium.
	B. Films are not limited to any one particular style.
	C. Films are solely built upon visual and eye-catching scenes.
	D. Films are better made by playwrights and novelists.
	E. Films perhaps are better understood by literary critics.
55	Classify following sentences into Fact (F), Judgment (J) and Inference (I) based on the definitions provided below, and choose the most suitable sequence among the given options.
	The option that best fills the blank in the above sentence would be: " - 200 a 100 miles and the
	Fact (F): If it is to a known matter of direct observation, or an existing reality or something known to
	be true.
	Judgment (J): If it is an opinion or estimate or anticipation of common sense or intention. If If it is logical conclusion or deduction about something based on the knowledge of facts.
	D. characterised by pitch
	 Proper allocation of resources is required for the overall development of our economy.

E. of higher pitch and the adjustment and blue glovel should be presented by the management of the pitch and the adjustment of the pitch and t

In the election of 2009, the internet emerged as the new communication ______ to be used by political parties to inform the voters about their agenda.

52

- ii) Government has decided to allocate the gas from KG basin to power and fertiliser sector.
- iii) A court decision against the declared policy guideline can result in government intervention in the form of an appeal.
- iv) Some section of the society may consider this decision as a deliberate attempt to protect some private interest.
- A. IFIJ
- B. FFJJ
- C. JFJI
- D. JFFI
- E. FFII

Analyse the following passage and answer the questions 56-57.

Some words are highly inflammable. Fusion is one of them. You can get two sets of people into a war mode by just uttering the words "fusion music". One set will breathe fire and say it violates the purity of music: the other set will tell you earnestly that it opens up the borders of music.

is installed given the nature of someetition

- 56 The statement "Some words are highly inflammable"
 - A. captures the essence of the passage.
 - B. is a linguistic embellishment to the passage.
 - C. is an irrelevant exaggeration used in the passage.
 - D. is an unsubstantiated dogmatic assertion.
 - E. is a contradictory statement in the passage.
- From the purists' perspective, the "war" between the two sets of people can best be
 - A. categorized as an ideological conflict between two ideas.
 - B. termed as a conflict between generations the younger versus the older generation.
 - C. an attempt to preserve the core principles.
 - D. seen as an attempt of people at the margin to occupy centre-stage.
 - E. seen as preserving the social identity of purists.

children in fairs run the risk of getting lost.

B. Super-markets are often more conveniently located and have better parking facilities. C. The emergence of super-sed bluow sonatons avoda the in kind data that noity of the contraction of the contract

- D. It is economically wise to buy single dense since bulk packages seldori offer significyland. A
- E. The financial savings from our chain packages may outweigh the inconvenier virials. I
- C. Single
- D. Unaccompanied
- E. Unguarded
- 59 The increase in the number of reality shows on television channels bolsters the contention that channels owners are more interested in boosting their revenues by pandering to voyeuristic tendencies of

viewers.

The premise behind the above argument is that

- A. reality shows on television channels are a recent phenomenon.
- B. everything that a channel broadcasts should be educational.
- C. reality shows on television appeal to the basic instincts of viewers.
- D. reality shows make more money than other types of programs.
- E. the channel owners can influence what is watched by the viewers.
- An extract from a magazine's weekly forecast for different sun signs is given below. Analyse the extract and answer the following question.

Pisces (February 19 – March 20)

"...The efforts you make could set the stage for some new opportunities later on. Keep ahead of the opposition by using your imagination and by being original."

For a person possessing scientific temperament, the forecast for people belonging to the sun sign

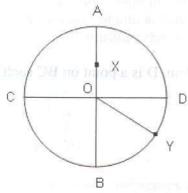
- A. is quite relevant and will allow Pisceans to plan the week much better.
- B. points out the advantage for Pisceans of using imaginative approaches.
- C. is justified given the nature of competition typically faced by Pisceans.
- D. puts forth a generic principle which applies to all persons. 228 Diamgob betainstaduzen no 21, 42
- E. can only be written by astrologers as such forecasts are based on research. Violabeting a slight
- Unlike other retail outlets, where items are purchased in any number of units the customer wants, in super-markets items are grouped in bulk packages. This bulk buying offers savings to the customer. The option to buy at wholesale prices by buying in bulk makes super-markets a practical choice for budget-conscious consumers.

Which of the following is an assumption necessary to the author's argument?

- A. Super-markets often have greater buying power and lower overhead costs, so they can offer a greater variety of products than regular retail outlets.
- B. Super-markets are often more conveniently located and have better parking facilities.
- C. The emergence of super-markets has caused many small retail stores to close down and thus eliminate competition.
- D. It is economically wise to buy single items since bulk packages seldom offer significant savings.
- E. The financial savings from purchasing bulk packages may outweigh the inconvenience of being unable to purchase in any number of units that suits the customers' need.

Section C - Data Interpretation and Quantitative Ability

62



In a circular field, AOB and COD are two mutually perpendicular diameters having length of 4 meters. X is the mid-point of OA. Y is a point on the circumference such that \angle YOD = 30°. Which of the following correctly gives the relation among the three alternate paths from X to Y?

- A. XOBY: XODY: XADY:: 5.15: 4.50: 5.06
- B. XADY: XODY: XOBY :: 6.25 : 5.34: 4.24
- C. XODY: XOBY: XADY :: 4.04 : 5.35: 5.25
- D. XADY: XOBY: XODY :: 5.19 : 5.09: 4.04
- E. XOBY: XADY: XODY :: 5.06 : 5.15: 4.50
- If x and y are real numbers, then the minimum value of $x^2 + 4xy + 6y^2 4y + 4$ is have to settle years with an above been settle and doubt minimum.
 - solution with 30% acid content may be added so that acid content in the resulting mixture v4-1.Ac
 - B. 0
 - C. 2
 - D. 4
 - E. None of the above
- Let X be a four-digit positive integer such that the unit digit of X is prime and the product of all digits of X is also prime. How many such integers are possible?

Answer question nos, of II based on the following information: all has

- A. 4
- B. 8
- An among object on pany and sales of its small cars depend on the state of the economy 1:20
- on whether the company uses some high profile individual as his brand annassador in ad 42.10 ments
- of its product. The state of the economy is "good", "okay" and "bad" with payode and fo enon E. None of the state of the s
- There are two types of employees in Sun Metals, general graduates and engineers. 40% of the employees in Sun Metals are general graduates, and 75% of the engineers earn more than Rs. 5 lakh/year. If 50% of the organisation's employees earn more than Rs. 5 lakh/year, what proportion of the general graduates employed by the organisation earn Rs. 5 lakh or less?

annual sales of the small cars when the company uses a high profile individual as its brand ambas ador

- Section C Data Interpretation and Quantitative Abolela B. 3/4 C. 1/2 D. 2/5 E. None of the above CD. What is the length of AD?
- In an equilateral triangle ABC, whose length of each side is 3cm, D is a point on BC such that $BD = \frac{1}{2}$ 66
 - A. √5 cm
 - B. √6cm
 - C. √7cm
 - D. √8cm
- In a carcular field. NOB and COD are two mutually perpendicular diameter woods and fo anothers.
- Two poles, of height 2 meters and 3 meters, are 5 meters apart. The height of the point of intersection of the lines joining the top of each pole to the foot of the opposite pole is,

C XCDY XOBY XADY : 4.04 : 5.35 of que abivorq hon a service

E XORY: XADY: XODY::5.06 5.15: 4.50-

- A. 1.2 meters
- B. 1.0 meter
- C. 5.0 meters
- D. 3.0 meters
- E. None of the above
- A manufacturer has 200 litres of acid solution which has 15% acid content. How many litres of acid solution with 30% acid content may be added so that acid content in the resulting mixture will be more than 20% but less than 25%?
 - A. More than 100 litres but less than 300 litres
 - B. More than 120 litres but less than 400 litres
 - C. More than 100 litres but less than 400 litres
- D. More than 120 litres but less than 300 litres of fait done regently with a of X 101
 - E. None of the above

Answer question nos. 69-71 based on the following information:

An automobile company's annual sales of its small cars depend on the state of the economy as well as on whether the company uses some high profile individual as its brand ambassador in advertisements of its product. The state of the economy is "good", "okay" and "bad" with probabilities 0.3, 0.4 and 0.3 respectively. The company may choose a high profile individual as its brand ambassador in TV ads or and I may go for the TV ads without a high profile brand ambassador, olders to segut own one start? employees in Sun Metals are general graduates, and 75% of the engineers earn more than Rs. 5

"lo no If the company fixes price at Rs. 3.5 lakh, the annual sales of its small cars for different states of the economy and for different kinds of TV ads are summarized in table 1. The figures in the first row are annual sales of the small cars when the company uses a high profile individual as its brand ambassador in its TV ads and the ones in the second row are that when the company does not use any brand ambassador in its TV ads, for different states of the economy.

Table 1:

Table 1.				
	"Good"	"Okay"	"Bad"	
With brand ambassador	100000	80000	50000	
Without brand ambassador	80000	50000	30000	

Without knowing what exactly will be the state of the economy in the coming one year, the company will either have to sign a TV ad contract with some high profile individual, who will be the company's brand ambassador for its small car for the next one year, or go for a TV ad without featuring any high profile individual. It incurs a cost of Rs. 3.45 lakh (excluding the payment to the brand ambassador) to put a car on the road.

When the company's profit is uncertain, the company makes decisions on basis of its expected profit. If the company can earn a profit x_i with probability p_i (the probability depends on the state of economy), then the expected profit of the company is $\sum x_i p_i$.

- 69 The maximum that the company can afford to pay its brand ambassador is
 - A. Rs. 10.0 crore
 - B. Rs. 10.6 crore
 - C. Rs. 10.8 crore
 - D. Rs. 12.0 crore
 - E. Rs. 16.4 crore and the properties and the straightful straightf
- Mr. Khan, a popular film actor, agreed to sign the contract to become the company's brand ambassador for Rs. 9 crore. The cost to the company of putting a car on the road also got escalated. The maximum escalation in cost of putting a car on the road, for which the company can afford to sign the contract with Mr. Khan is
 - A. Rs. 900
 - B. Rs. 967
 - C. Rs. 1250
 - D. Rs. 1267
 - E. Rs. 1333
- Mr. Khan, a popular film actor, agreed to sign the contract to become the company's brand ambassador for Rs. 9 crore. The cost to the company of putting a car on the road also got escalated by Rs. 1000. If the company signs the contract with Mr. Khan, its profit will
 - A. increase by Rs. 40 lakh
 - B. increase by Rs. 60 lakh
 - C. decrease by Rs. 20 lakh
 - D. decrease by Rs. 40 lakh

Determine the value(s) of "a" for which the point (a, a²) lies inside the triangle formed by the lines: 72

2x + 3y = 1, x + 2y = 3 and 5x - 6y = 1

- A. (-3,-1) U (1/2,1)
- B. $(-\infty, 1/3)$ U $(1/2, \infty)$
- C. (-3/2, -1) U (1/2,1)
- D. $(-\infty, 1)$ U (1/3, 6)
- E. None of the above
- Without knowing what exactly will be the state of the economy in the coming one year, the company 73 The supervisor of a packaging unit of a milk plant is being pressurised to finish the job closer to the distribution time, thus giving the production staff more leeway to cater to last minute demand. He has the option of running the unit at normal speed or at 110% of normal –"fast speed". He estimates that he will be able to run at the higher speed 60% of time. The packet is twice as likely to be damaged at the higher speed which would mean temporarily stopping the process. If a packet on a randomly selected packaging runs has probability of 0.112 of damage, what is the probability that the packet will not be If the company can earn a profit x, with probability p, (the prob speed famous beganning)
 - A. 0.81
 - B. 0.93
 - C. 0.75
 - D. 0.60
 - E. None of the above

Question Nos. 74-75

Let $A_1, A_2, \dots A_n$ be the n points on the straight-line y = px + q. The coordinates of A_k is (x_k, y_k) , where k = 1, 2, ...n such that $x_1, x_2, ..., x_n$ are in arithmetic progression. The coordinates of A_2 is $(2, ..., x_n)$ 2) and A24 is (68, 31), o and account the contract to become the co. (18, 86) at A24 is (68, 81).

74The 'y-ordinates of As is valued the company is As for patient of The y-ordinates of As is company to the company of As is contained to the company of the y-ordinates of As is company to the y-ordinates

A. 13

B. 10 C. 7

D. 5.5

E. None of the above

- The number of point(s) satisfying the above mentioned characteristics and not in the first quadrant 75 Mr. Khan, a popular film actor, agreed to sign the contract to become the company's brand :praction
 - A. 1
 - B. 2
 - C. 3 D. 7
 - E. None of the above
- for Rs. 9 erore. The cost to the company of putting a car on the soad also got escalated by Rs. 1000. If the company signs the contract with Mr. Khan, its profit will

76 III The operation (x) is defined by the companies owlyd bawolion are 18-08 and soileanO statements are sufficient to conclusively answer the question. Choose the apig =(1) (i) answer (ii) (x + y) = (x).(y)for all positive integers x and y. (x) = 1022 then n = C. Statement I and Statement II together are sufficient, but neither of the two alone is sufficient to A. 8 B. 9 C. 10 E. None of the above 77 Amarendra and Dharmendra are brothers. One day they start at the same time from their home for Tatanagar railway station in their respective cars. Amarendra took 25 minutes to reach the station. After reaching the station Amarendra found that Dharmendra is 2500 m away from the station. The distance of Tatanagar Station from their home is 15 km. Next day Dhramendra decided to start 7 minutes early. If they drive at the speed same as the previous day then Amarendra will reach the station A. 120 seconds earlier than Dharmendra. B. 120 seconds later than Dharmendra. C. 300 seconds earlier than Dharmendra. a. b. c. d and e are integers such that $1 \le a \le b \le c \le d$ D. 300 seconds later than Dharmendra. E. at the same time with Dharmendra. 78 Let S_1, S_2, \ldots be the squares such that for each $n \ge 1$, the length of the diagonal of S_n is equal to the length of the side of S_{n+1} . If the length of the side of S_3 is 4 cm, what is the length of the side of S_n ? 2 A. 2 B. 2.(n-1) C. $2^{(n-1)}$ D. 2 E. None of the above 79 In a clock having a circular scale of twelve hours, when time changes from 7:45 A.M. to 7:47 A.M., by how many degrees the angle formed by the hour hand and minute hand changes? music CDs and 25% profit in books. Music CDs contributed 35% towards their total sales in rupees. At A. 10 B. 11 C. 12 D. 15

E. None of these

Question Nos. 80-81 are followed by two statements labelled as I and II. Decide if these statements are sufficient to conclusively answer the question. Choose the appropriate answer from the options given below:

- A. Statement I alone is sufficient to answer the question.
- B. Statement II alone is sufficient to answer the question.
- C. Statement I and Statement II together are sufficient, but neither of the two alone is sufficient to answer the question.
- D. 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.
- 80 In a trapezoid PQRS, PS is parallel to QR. PQ and SR are extended to meet at A. What is the value of ∠PAS?

I.
$$PQ = 3$$
, $RS = 4$ and $\angle QPS = 60^{\circ}$.
II. $PS = 10$, $QR = 5$.

A sequence of positive integer is defined as $A_{n+1} = A_n^2 + 1$ for each $n \ge 0$. What is the value of Greatest Common Divisor of A_{900} and A_{1000} ?

I.
$$A_0 = 1$$

II. $A_1 = 2$.

82 a, b, c, d and e are integers such that $1 \le a < b < c < d < e$. If a, b, c, d and e are in geometric progression and lcm(m, n) is the least common multiple of m and n, then the maximum value of

$$\frac{1}{\text{lcm}(a,b)} + \frac{1}{\text{lcm}(b,c)} + \frac{1}{\text{lcm}(c,d)} + \frac{1}{\text{lcm}(d,e)}$$
 is

- A. 1
- B. $\frac{15}{16}$
- C. $\frac{79}{81}$
- D. $\frac{7}{8}$
- E. None of the above

Question nos. 83-84.

Books and More sells books, music CDs and film DVDs. In December 2009, they earned 40% profit in music CDs and 25% profit in books. Music CDs contributed 35% towards their total sales in rupees. At the same time total sales in rupees from books is 50% more than that of music CDs.

- 83 If Books and More have earned 20% profit overall, then in film DVDs they made
 - A. 15.2% profit

20 seconds later than Dharmendra

- B. 10.0% profit
- C. 10.0% loss
- D. 16.3% loss
- E. 23.4% loss

84 If Books and More made 50% loss in film DVDs, then overall they made

- A. 12.3% profit
- B. 8.7% profit
- C. 0.4% loss
- D. 6.25% loss
- E. 20% loss

ABCD is a parallelogram with \angle ABC = 60° . If the longer diagonal is of length 7 cm and the area of 85 the parallelogram ABCD is $15\frac{\sqrt{3}}{2}$ sq.cm, then the perimeter of the parallelogram (in cm) is

- A. 15
- B. $15\sqrt{3}$
- C. 16
- D. $16\sqrt{3}$
- E. None of the above

Question Nos. 86 -87.

OABC is a square where O is the origin and AB = 1. Consider the set of points $S = \{(x_i, y_i)\}$ in the square such that $x_i + y_i \le 1$. Let P (x_1, y_1) and Q (x_2, y_2) be two such points. Two operations addition (+) and multiplication (.) on S are defined as

$$P + Q = (x_1 + x_2 - x_1x_2, y_1y_2)$$

 $P \cdot Q = (x_1x_2, y_1 + y_2 - y_1y_2)$

86

- A. close to (0, 0)
- A Between Jan-Mar 2009 and Apr-Jun 2009, profit and profit rate of Puharpur C (0,1) ot seols. B
- C. close to (0, 1)
- B. Between Jan-Mar 2009 and Apr-Jun 2009, profit rate of Palatics y + x noign and in the region x + y + x noign and Apr-Jun 2009, profit rate of Palatics y + y + x noign and Apr-Jun 2009.
- E. None of the above

(" Retween Jan-Mar 2009 and Apr-Jun 2009, both profit and profit rate of Pab For a very large number n, nP + nQ is more still be described in the large number of t 87

- A. close to (0, 0)
- E. Detween Jan-Mar 2009 and Apr. Int. 2009, profit rate of Paharpur Cement decr. (0,1) of seols. B.
- increased, whereas both profit and profit rate of Plansin Cement increased D. Any point in the region x + y < 1
- E. None of the above

Answer question nos. 88-90 based on the data given in table 2:

Cost and price data for Portland cement manufactured by Paharpur Cement and Bahsin Cement, for four consecutive quarters, are given in table 2:

If Books and More made 50% loss in film 2 elder ben overall they made

		Table 2:		ing to -o
	Paharpur Cement		Bahsin Cement Iflorg	
apalis Service	Cost (as % of sales revenue)	Price (Rs. / bag)	Cost (as % of sales revenue)	Price of a (Rs. / bag)
Oct-Dec 2008	92.11	352	94.21	438
Jan-Mar 2009	nger diagonal is of length 7	60° If the lo	ogram with ZABC= 48.10	s a parailet 044
Apr-Jun 2009	imeter of the parallelogram 80.10	then the per 048	8CD is 15 = sq.cm 89.98	llelogram A 084
Jul-Sep 2009	90.42	322	90.38	434

Sales Revenue = Price x Sales Quantity

Profit = Sales Revenue – Cost

Profit Rate = Profit / Sales Quantity

- Profit rate of Paharpur Cement is more than the profit rate of Bahsin Cement in:

 - B. Jan-Mar 2009 and Apr-Jun 2009 1 be (x₁, y₁) and O (x₂, y₂) be 1002 naM-nat (y₁ + y₁ ≤ 1. Let P (x₁, y₁) and O (x₂, y₂) be 1002 name such that x₁ + y₁ ≤ 1. Let P (x₁, y₁) and O (x₂, y₂) be 1002 name such that x₁ + y₂ ≤ 1. Let P (x₁, y₁) and O (x₂, y₂) be 1002 name such that x₂ + y₃ ≤ 1. Let P (x₁, y₂) and O (x₂, y₃) be 1002 name such that x₂ + y₃ ≤ 1. Let P (x₁, y₂) and O (x₂, y₃) be 1002 name such that x₃ = x₃ =
 - C. Oct-Dec 2008 only
 - D. Jan-Mar 2009 only
 - E. Apr-Jun 2009 only
- If between Jan-Mar 2009 and Apr-Jun 2009 sales of Paharpur Cement increased from 543278 to 698236 and that of Bahsin Cement decreased from 526532 to 499874, then which of the following is true?
 - A. Between Jan-Mar 2009 and Apr-Jun 2009, profit and profit rate of Paharpur Cement increased, whereas profit and profit rate of Bahsin Cement decreased.
 - B. Between Jan-Mar 2009 and Apr-Jun 2009, profit rate of Paharpur Cement increased but its profit decreased, whereas both profit and profit rate of Bahsin Cement increased.
 - C. Between Jan-Mar 2009 and Apr-Jun 2009, both profit and profit rate of Paharpur Cement decreased, whereas profit rate of Bahsin Cement decreased but its profit increased.
 - D. Between Jan-Mar 2009 and Apr-Jun 2009, profit of Paharpur-Cement increased but its profit rate decreased, whereas profit rate of Bahsin Cement increased but its profit decreased. (1) 01 520 12 A
 - E. Between Jan-Mar 2009 and Apr-Jun 2009, profit rate of Paharpur Cement decreased but its profit increased, whereas both profit and profit rate of Bahsin Cement increased.

30

 $P+O=(x_1+x_2-x_3x_2,y_3x_3)$

- If between Apr-Jun 2009 and Jul-Sept 2009 sales of Paharpur Cement increased by 2.25%, it profit increased by
 - A. 2.08%
 - B. 2.25%
 - C. 2.96%
 - D. 3.28%
 - E. 3.42%

Answer question nos. 91-93 based on the information given below:

Madhubala Devi, who works as a domestic help, received Rs. 2500 as Deepawali bonus from her employer. With that money she is contemplating purchase of one or more among 5 available government bonds – A, B, C, D and E.

To purchase a bond Madhubala Devi will have to pay the price of the bond. If she owns a bond she receives a stipulated amount of money every year (which is termed as the coupon payment) till the maturity of the bond. At the maturity of the bond she also receives the face value of the bond.

Price of a bond is given by: $P = \left[\sum_{t=1}^{T} \frac{C}{(1+r)^{t}}\right] + \frac{F}{(1+r)^{T}}$, where C is coupon payment on the bond,

which is the amount of money the holder of the bond receives annually; F is the face value of the bond, which is the amount of money the holder of the bond receives when the bond matures (over and above the coupon payment for the year of maturity); T is the number of years in which the bond matures; r = 0.25, which means the market rate of interest is 25%.

Among the 5 bonds the bond A and another two bonds mature in 2 years, one of the bonds matures in 3 years, and the bond D matures in 5 years.

The coupon payments on bonds A, E, B, D and C are in arithmetic progression, such that the coupon payment on bond A is twice the common difference, and the coupon payment on bond B is half the price of bond A.

The face value of bond B is twice the face value of bond E, but the price of bond B is 75% more than the price of bond E. The price of bond C is more than Rs. 1800 and its face value is same as the price of bond A. The face value of bond A is Rs. 1000.

A tank internally measuring 150cm x120cm x100cm has 1281600cm2 water in it

water. How many bricks, of 20cm x 6cm x 4cm, can be put in the tank without spill

placed in the water until the tank is full up to its brim. Each brick absorbs one

Bond D has the largest face value among the five bonds.

- 91 The face value of bond E must be
 - A. Rs. 1406.25
 - B. Rs. 1686.25
 - C. Rs. 2250.50
 - D. Rs. 2812.50
 - E. Rs. 3372.50

	and the first of the second se	The Indiana April 1990 and July 2000 and Jul
92	Madhubala Devi purchased one or m	nore of the 5 available bonds from her bonus pay and spent the
		ecision such that her return from the bonds is maximized. Her
	return from the bonds is	
	A. Rs. 3000.00	
	B. Rs. 3250.00	D. 3.289g
	C. Rs. 3656.25	
	D. Rs. 3906.25	
	E. Rs. 4531.25	Answer anaetion and 01 02 land and 1 c
	en Delow:	Answer question nos, 91-93 based on the information giv
93	The price of bond C must be	
	O'MS 2500 as Deepawa i hanus from	Madhubala Devi, who works us a domestic help, receive
		employer. With that money she is contemplating parter government bonds -(A. B. C. D and E a to book lar
	D. NS.10/4	
	C. Rs.1925	To runchase a bond stadiohele food a strong of
	D. Rs.1976	To purchase a bond Madhabala Devi will have to pay the
	E. Rs.2342 1001100 off 26 bomisi 21	receives a stipulated amount of money every year (which
		maturity of the bond. At the maturity of the bond she also re-
94	If all letters of the word "CHCJL" be	e arranged in an English dictionary, what will be the 50 th word?
	where C is coupon payment on the hi	$\frac{1}{1+r^2}$
	A. HCCLJ	
	B. LCCHJ v apal and at a villaginus at	which is the amount of money the holder of the bond received which is the amount of money the holder of the bond received the courses received the course
	C. LCCJH semitan brion on manw so	the coupon payment for the year of maturity); T is the numb
		0.25, which means the market rate of interest is 25%.
	E. None of the above	THE HIGH THE HIGHER IS 22%.
	And the state of the property and	Amone the Altonda the bond of and engineered Masteria only
95	A manufacturer produces two types	s of products- A and B, which are subjected to two types of
	operations, viz. grinding and polishing	g. Each unit of product A takes 2 hours of grinding and 3 hours of
	polishing whereas product B takes 3 l	hours of grinding and 2 hours of polishing. The manufacturer has
	10 grinders and 15 polishers. Each gr	rinder operates for 12 hours/day and each polisher 10 hours/day.
the	The profit margin per unit of A and B	are Rs.5/- and Rs.7/- respectively. If the manufacturer utilises all
		types of items, what is the maximum profit that the manufacturer
	can earn?	The face value of bond B is twice the face value of bond D
	in the brice of board is 12% more if	The face value of bond B is twice the face value of bond E, the price of bond E. The price of bond C is more than De the
	A. Rs. 280/2 21 99/EV 5361 21 Bub (102	the price of bond E. The price of bond C is more than Rs. 10 of bond A. The face value of bond A is Rs. 1000.
	B. Rs. 294/-	SOUTH SALES AND THE PARTY OF THE SALES AND T
	C. Rs. 515/-	Power Dr. Land Co. Land

A tank internally measuring 150cm x120cm x100cm has 1281600cm³ water in it. Porous bricks are placed in the water until the tank is full up to its brim. Each brick absorbs one tenth of its volume of water. How many bricks, of 20cm x 6cm x 4cm, can be put in the tank without spilling over the water?

A. 1100

D. Rs. 550/-

E. None of the above

B. 1200

- C. 1150
- D. 1250
- E. None of the above

A. increased by 6.279

97 The chance of India winning a cricket match against Australia is 1/6. What is the minimum number of matches India should play against Australia so that there is a fair chance of winning at least one match?

- A. 3
- B. 4
- C. 5
- D. 6
- E. None of the above

100 Compared to January, the sales of coses in July

Compared to January, the total expenditure on carnations in March

A. decreased by 39.15% B. decreased by 28.13 %

A chocolate dealer has to send chocolates of three brands to a shopkeeper. All the brands are packed in boxes of same size. The number of boxes to be sent is 96 of brand A, 240 of brand B and 336 of brand C. These boxes are to be packed in cartons of same size containing equal number of boxes. Each carton should contain boxes of same brand of chocolates. What could be the minimum number of cartons that the dealer has to send?

- A. 20
- B. 14
- C. 42
- D. 38
- E. 16

A. increased by 26.57%

20 increased by 36 100

D immeded by 38 160

E. did not change

Answer question nos. 99-101 based on the following data:

The retail prices of flowers, consumer expenditure on flowers and sales of flowers for the calendar year 2009, in Phoolgaon, a small town with a population of 70000, is summarized in table 3.

Table 3:

Month	Price (retail) of roses (Rs. / dozen)	Average consumer expenditure on roses and carnations (Rs.)	Total consumer expenditure on roses (Rs.)	Sales of carnations (dozens)
Jan	99	47.4	1136916	13848
Feb	112.5	51.9	1051650	20486
Mar	135	49.5	1137915	12928
Apr	130.5	51.6	1315310	14021
May	126	59.4	1116612	18774
Jun	157.5	55.8	979020	17579
Jul	144	56.4	1188432	17521
Aug	117	54.0	940446	20355
Sep	162	55.5	1287900	16031
Oct	126	55.2	772884	22897
Nov	189	52.8	597240	19128
Dec	166.5	56.4	977688	18859

C.1150

99 Compared to January, the total expenditure on carnations in March

E. None of the above A. increased by 6.27%

The chance of India winning a cricket match against Australia is 1/6. Wha%46.6 yd besseroeb .Ber of matches India should play against Australia so that there is a fair chance of %66.6 yd beaerani . Jatch?

D. decreased by 7.11%

E. did not change

100 Compared to January, the sales of roses in July

A. decreased by 39.15%

E. None of the above

B. decreased by 28.13 %

A chocolate dealer has to send chocolates of three brands to a shopkeeper. % E4.4 yd basarani. 2 ed in boxes of same size. The number of boxes to be sent is 96 of brand A, 240 %E.A yd bearanical brand C. These boxes are to be packed in cartons of same size containing equal numbe sgnath ton bible arton

should contain boxes of same brand of chocolates. What could be the minimum number of cartons that

Compared to January, the price of carnations in December

A. increased by 26.57% B. increased by 28.12%

C. increased by 36.19%

D. increased by 38.16%

E. did not change

Answer question nos, 99-101 based on the following data:

The retail prices of flowers, consumer expenditure on flowers and sales of flowers for the calendar year 2009, in Phoolgaon, a small town with a population of 70000, is summarized in table 3.

Sales of carnations (dozens)	Total consumer expenditure on roses (Rs.)	Average consumer expenditure on roses and carnations (Rs.)	Price (retail) of roses (Rs. / dozen)	Month
13848	1136916	47.4	66	Jan
20486	1051650	51.9	112.5	Feb
12928	1137915	49.5	135	Mar
14021	1315310	51.6	130.5	Apr
18774	1116612	59.4	126	May
17579	979020	55.8	157.5	Jun
17521	1188432	56.4	144	Jul
20355	940446	54,0	117	Aug
16031	1287900	55.5	162	Sep
22897	772884	55.2	126	Oct
19128	597240	52.8	681	Nov
18859	977688	56.4	166.5	Dec