

## ENGLISH LANGUAGE

**Directions (1-8) :** Read the passage carefully and answer the questions given. Certain words/phrases have been given in bold to help you locate them while answering some of the questions.

The issue of whether companies should **indulge** in philanthropy, or should it be left to individual shareholders outside the company, is an intensely debated subject. One perspective argues that since shareholders provide capital to managers for securing a return on their investment; as long as the managers operate the business within legal and ethical frameworks, there is no need for philanthropy at the company level; shareholders can do personal philanthropy, if they desire so. Alternative perspectives argue strongly for the company to give back to the society and to key stakeholders like staff, suppliers, customers, communities and the environment, at whose cost, profits are being made by the shareholders, if not, the business will not be sustainable in the long run. Hence corporate social responsibility initiatives at the company level, are essential for the wellbeing of all stakeholders and for the business to be sustainable.

Corporate Social Responsibility is a more focused form of philanthropy directed towards specific stakeholders with clear expectations of a continued profitability in the long run. However, as a part of corporate social responsibility, companies' contribution pattern mostly includes setting up schools, hospitals, community development, women's empowerment, planting trees, nurturing art and culture. These are of course noble gestures, but more in the nature of philanthropy, remotely connected with their core business. Such initiatives are unsustainable, and can happen

only till the point the company is profitable; more importantly, these **'giveaways'** per se will not drive the company to remain profitable.

Integrating business strategies with sustainability initiatives, successful companies allocate resources to ensure wellbeing of stakeholders which also enables the companies to acquire a key differentiator vis-a-vis its competition, thereby making the business sustainable. For example, one of the biggest companies in the FMCG sector, in its personal care business, is moving towards 'dry shampoo' which refreshes hair between washes, reducing hot water consumption thereby reducing global warming. These initiatives not only position the products distinctively vis-a-vis the competitors and enhances the brand equity, but also ensures wellbeing of customers and the environment.

The Companies Bill stipulates a minimum spend towards corporate social responsibility, companies anyway realise the need to focus on social and environmental aspects for their sustainability. They are also becoming **highly vocal** in publishing their achievements on these dimensions. Their sustainability reporting is **bound** to become more sophisticated to capture the changing face of corporate social responsibility irrespective of regulations, companies will have to tread this path, if they aspire to be successful.

1. Which of the given words is most nearly the SAME in meaning as the word "core" to used in the passage?

- (1) main            (2) interior  
(3) spirit            (4) quality  
(5) soul

2. As per the passage, which of the given statements is TRUE about Corporate Social Responsibility?

(A) Corporate Social Responsibility should generally be carried out without expectations of any returns.

(B) It is directed towards specific stakeholders with clear expectations of continued profitability in the long run.

(C) Most corporate social responsibility initiatives are profitable.

(1) Only (A)

(2) None of (A), (B) and (C)

(3) Only (B)

(4) Only (C)

(5) Only (A) and (B)

3. As per the passage, for which of the following reasons it is believed that philanthropy is not required at a company level?

(A) As long as business is operated with the legal guidelines and in an ethical manner.

(B) If sufficient funds are received from the government.

(C) If foreign investments in a company exceeds a certain level.

(1) All (A), (B) and (C)

(2) Only (B) and (C)

(3) Only (B)

(4) Only (A)

(5) Only C

4. What does the expression 'highly vocal' mean in the context of the passage?

(1) Many FMCG companies do not adopt environment friendly practices and disturb the environment with their operations.

(2) Companies are increasingly publishing their corporate social responsibility achievements in social and environmental spheres.

(3) The companies are not necessarily truthful about publishing their achievements.

(4) Companies only care about publishing their achieve-



ments and sometimes publish things that they do not *douceur* even do.

- (5) None of these
5. What does the companies' contribution pattern mostly include?
- (1) Setting up schools and hospitals  
(2) Community development  
(3) Nurturing art and culture  
(4) Women's empowerment and planting trees  
(5) All the above
6. Which of the given words is most nearly the SAME in meaning to the word "bound" as used in the passage?
- (1) connected  
(2) border  
(3) certain  
(4) separated  
(5) leap
7. Which of the given words is most nearly the OPPOSITE in meaning to the word "indulge in" as used in the passage?
- (1) acknowledge with  
(2) refrain from  
(3) oblige to  
(4) please  
(5) decimate
8. Which of the given words is most nearly the OPPOSITE in meaning to the word **give-aways** as used in the passage?
- (1) freebies  
(2) donations  
(3) presents  
(4) gifts  
(5) *douceurs*

**Directions (9-14) :** In each of these questions, a sentence has been divided into four parts denoted by (A), (B), (C) and (D). Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. Select that part as the answer. If there is no error, the answer is 'No error'. Ignore the errors of punctuation, if any.

9. To reduce the risk of cancer, you need (A)/ to be aware of the many factors (B)/ that working together to caused cancer and then (C)/ do your best to avoid or reduce exposure (D).

- (1) A (2) D  
(3) No error (4) C  
(5) B

10. Pantheism is the belief (A)/ that God did not create (B)/ the universe, but all the forces (C)/ in the universe are God (D).

- (1) C (2) A  
(3) B  
(4) No error  
(5) D

11. Millenials' preference for exponential travel also applies (A)/ to the way they learn, and hospitality institutes (B)/ have had to adapt their curricula, teaching methods and (C)/ course delivery in the process, and are still doing so (D).

- (1) B (2) C  
(3) D (4) A  
(5) No error

12. It must be emphasis on replacing (A)/ a natural forest with a plantation does not (B)/ really serve the cause of nature (C)/ wildlife or the forest dwelling communities (D).

- (1) D (2) B  
(3) A (4) C  
(5) No error

13. Out of the millions of creatures on Earth, (A)/ humans are one of the three species (B)/ capable of laughter, the (C)/ other two being chimpanzees and rats (D).

- (1) B (2) C  
(3) A (4) No error  
(5) D

14. In June 2017, the 'Facebook' community (A)/ reached 2 billion active users which (B)/ means Facebook is used by (C)/ more than a quarter in the world's population (D).

- (1) B (2) C  
(3) A (4) D  
(5) No error

**Directions (15-17) :** In each of these questions, two sentences I and II are givens with one blank each. Each blank indicates that something has been omitted. Choose the option with words that best fit the meaning of both the sentences as a whole and select it as your answer.

15. **Sentence I :** The strategy is based on long term partnerships, \_\_\_\_\_ of our brands and strong customer relations.

**Sentence II :** A policy of internal \_\_\_\_\_ for key positions is very helpful in keeping the employees motivated.

- (1) provocation  
(2) audacity  
(3) promotion  
(4) practice  
(5) interrogation

16. **Sentence I :** A great way to achieve work-life balance is to strive for both a \_\_\_\_\_ of achievement and enjoyment in your job and personal life.

**Sentence II :** In a general \_\_\_\_\_, a rapid rate of technological change creates uncertainty in the business environment.

- (1) character  
(2) sense  
(3) constraint  
(4) desire  
(5) desperate

17. **Sentence I :** The line between learning to \_\_\_\_\_ and getting paid to write a computer program as a profession is not an easy line to cross.

**Sentence II :** A well written \_\_\_\_\_ of conduct clarifies an organisations mission, values and principles, linking them with standards of professional conduct.

- (1) write (2) design  
(3) dance (4) charter  
(5) chartered

**Directions (18-20) :** In each of these questions, four words group of words (A), (B), (C) and (D) have been given in **bold**. One of these words/group of words (A), (B), (C) and (D) given in **bold** type may be wrongly spelt or inappropriate in the context of the sentence. Find out the word/group of words that are wrongly spelt or inappropriate, if any. That word/group of words is your answer. If all the words/group of words given in **bold** in the sentences are correctly spelt and appropriate in the context of the sentence, then select 'All correct' as your answer.



18. Guidelines to regulate (A) fares are necessary to **ensure** (B) greater **conveyance** (C) to the **passengers**. (D)

- (1) D (2) A  
(3) All correct (4) B  
(5) C

19. Some of the most **powerful** (A) stones on **sustainable** (B) future were **brought** (C) to the life by the **narratttor** (D).

- (1) C (2) A  
(3) B (4) D  
(5) All correct

20. Researchers have **identified** (A) a **protein** (B) which could **serve** (C) biomarker for early **diagnosis** (D) of lung cancer.

- (1) C (2) B  
(3) D (4) All correct  
(5) A

**Directions (21-25) :** Rearrange the given six sentences/ group of sentences (A), (B), (C), (D), (E) and (F) in a proper sequence so as to form a meaningful paragraph and then answer the given questions.

(A) The team made this discovery while examining the structure of a natural enzyme thought to have evolved in a waste recycling centre in Japan.

(B) Work on improving the enzyme further, to see if they can make use of this capability of faster consumption of PET plastic on an industrial scale is in progress.

(C) On finding that this enzyme was helping a bacteria to break down or digest PET plastic, the researchers decided to tweak its structure by adding some amino acids.

(D) Thus in the coming years we will see an industrially viable process to turn PET plastics back to their building blocks so that they can be sustainably recycled.

(E) Scientists in Britain say they have engineered a plastic eating enzyme that could help in the fight against pollution in future.

(F) This led to a serendipitous change in enzyme's actions, allowing its plastic eating abilities to work faster.

21. Which of the following should be the **FIFTH** sentence after the rearrangement?

- (1) A (2) C  
(3) F (4) E  
(5) D

22. Which of the following should be the **SECOND** sentence after the rearrangement?

- (1) C (2) E  
(3) F (4) A  
(5) D

23. Which of the following should be the **FIRST** sentence after the rearrangement?

- (1) A (2) C  
(3) D (4) E  
(5) B

24. Which of the following should be the **THIRD** sentence after the rearrangement?

- (1) A (2) C  
(3) F (4) B  
(5) D

25. Which of the following should be the **SIXTH (LAST)** sentence after the rearrangement?

- (1) B (2) C  
(3) F (4) E  
(5) D

**Directions (26-28) :** Which of the following words/group of words given against the sentence convey the same meaning as the phrase given in **bold** and can replace it in the sentences grammatically and contextually? If none of the words/group of words conveys the same meaning as the phrase given in **bold** and can replace it in the sentence grammatically and contextually, select 'None of the given options' as the answer.

26. Helipads have been **springing up** rapidly in recent years but a large number have not been certified as safe by aviation authorities.

- (1) None of the given options  
(2) destroyed  
(3) built  
(4) required  
(5) invited

27. The committee recently **brought in** fresh regulations promising increased autonomy to institutions.

- (1) abandoned  
(2) introduced

(3) acquired (4) surrender

(5) None of the given options

28. As a leader, the challenge is not only to **spot** talent but also to convince your people that you value their talents and that they should too.

- (1) amass (2) identify  
(3) mess (4) deny  
(5) None of the given options

**Directions (29-30) :** In these questions, four sentences are given. Decide which sentence(s) is/are correct with regard to grammar, meaning and usage and select your answer accordingly.

29. (1) The newly introduced flights between the two cities have been so designed allowing them to serve the business and leisure travellers alike.

(2) All are correct.

(3) New flights introduced between the two cities are designed to cater to business and leisure travellers alike.

(4) The design of the newly introduced flights is such that they cater to business and leisure travellers alike.

(5) The newly introduced flights have been designed in such a way so as to cater to business and leisure travellers alike.

30. (1) The Prime Minister has instructed the Ministries to submit a detailed note on the projects and programmes undertaken by them.

(2) Ministries have been instructed by the Prime Minister to submit a detailed note on the projects and programmes undertaken by them.

(3) The instructions to submit a detailed note on the projects and programmes undertaken have been given by the Prime Minister to the ministries.

(4) A detailed note on the projects and programmes undertaken has to be submitted by the ministries as per the instructions of the Prime Minister.

(5) All are correct.



## QUANTITATIVE APTITUDE

31. A train travelling at 72 kmph takes 45 seconds to cross a platform double its (the train's) length. How much time (in seconds) will the train take to cross (from the moment they meet) another train of length 400 m, travelling in opposite direction at a speed of 54 kmph?

- (1) 10                      (2) 12  
(3) 20                      (4) 15  
(5) None of those given as options

**Directions (32-36) :** Each question consists of a question and two statements I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and choose the appropriate option.

- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question.  
(2) The data in statement II alone are sufficient to answer the question while the data in statement I alone are not sufficient to answer the question.  
(3) The data either in statement I alone or in statement II alone are sufficient to answer the question.  
(4) The data in both the statements I and II together are not sufficient to answer the question.  
(5) The data in both the statements I and II together are necessary to answer the question.

32. A shopkeeper sold two articles, A and B, at a profit of 30% and 40% respectively. What is the overall profit earned by the shopkeeper after selling both articles (A and B)?

- (I) Had shopkeeper sold article A at a profit of 20% and article B at a loss of 10%, the selling price of both the articles would have been same.  
(II) The cost price of article B is Rs. 200 more than the cost price of article A.

33. Is the value of G greater than the value of J?

- (I) The value of  $(G-J)^8$  is greater than the value of  $(G-J)^3$ .  
(II) The value of  $(G-J)^3$  is greater than the value of  $(G-J)^2$ .

34. What is the respective ratio of volume of cylinder A and that of cylinder B?

- (I) The radius of cylinder A is  $\frac{3}{5}$  th of the radius of cylinder B and the height of cylinder A is  $\frac{1}{3}$  times the height of cylinder B.  
(II) The difference between volumes of cylinder A and cylinder B is  $7507.5 \text{ m}^3$ .

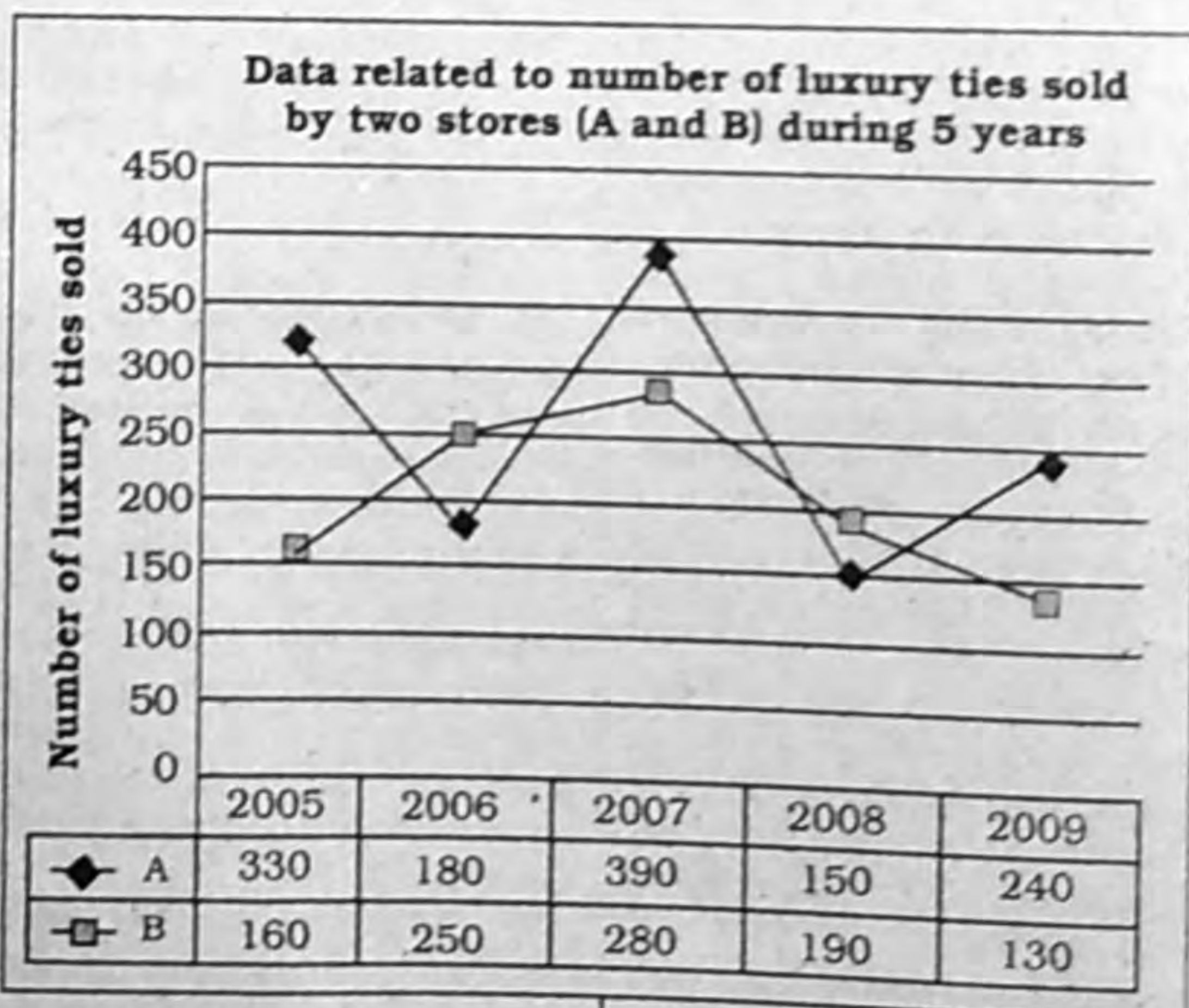
35. How many labourers are employed by the project manager to finish the project?

- (I) If all the employed labourers report to work, it would take 15 days to finish the project.  
(II) If 27 of the employed labourers do not report for work, it would take 24 days to finish the project.

36. If a student is randomly selected from school X, what is the probability that the student is a boy?

- (I) If 20 boys are removed from the school, the probability of selecting a boy will be  $\frac{4}{7}$ .  
(II) The number of boys is 40 more than the number of girls.

**Directions (37-41) :** Refer to the graph carefully and answer the given question.



37. What is the respective ratio between number of luxury ties sold by store A in 2008 and total number of luxury ties sold by store B in 2005 and 2008 together?

- (1) 2 : 7                      (2) 5 : 8  
(3) 3 : 8                      (4) 3 : 7  
(5) 5 : 7

38. What is the difference between total number of luxury ties sold by stores A and B together in 2007 and that sold by same stores together in 2009?

- (1) 300                      (2) 260  
(3) 280                      (4) 310  
(5) 290

39. If the number of luxury ties sold by stores A and B decreased by 10% and 30% respectively from 2008 to 2010, what was the total number of luxury ties sold by stores A and B together in 2010?

- (1) 254                      (2) 272  
(3) 268                      (4) 276  
(5) 248



40. The number of luxury ties sold by store A in 2005 is what per cent more than that sold by store B in the 2006?

- (1) 40 (2) 36  
(3) 32 (4) 24  
(5) 28

41. What is the average number of luxury ties sold by store A in 2005, 2006 and 2008?

- (1) 250 (2) 240  
(3) 210 (4) 230  
(5) 220

42. A, B and C started a business by investing Rs. 8,000, Rs. 12,800 and Rs. 16,000 respectively. After 6 months from the start of the business B and C withdrew half of their respective investments. If the difference between B's and C's share of annual profit is Rs. 900 what is total annual profit earned by all of them together?

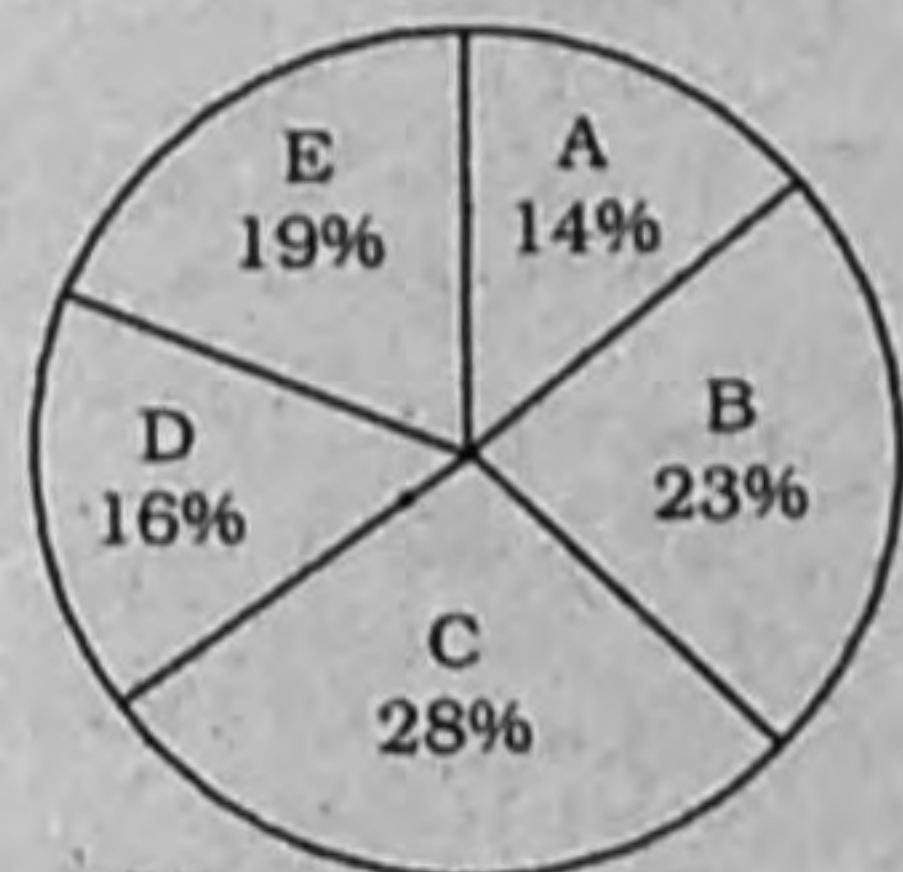
- (1) Rs. 12,900  
(2) Rs. 14,800  
(3) Rs. 11,100  
(4) Rs. 18,500  
(5) Rs. 10,700

43. Average of five two digit positive numbers is 38. The second number is 10 more than the first number and 20 more than the third number. The value of the fourth number is 34. If the sum of the first number and the last number is 76, what is the value of the first number?

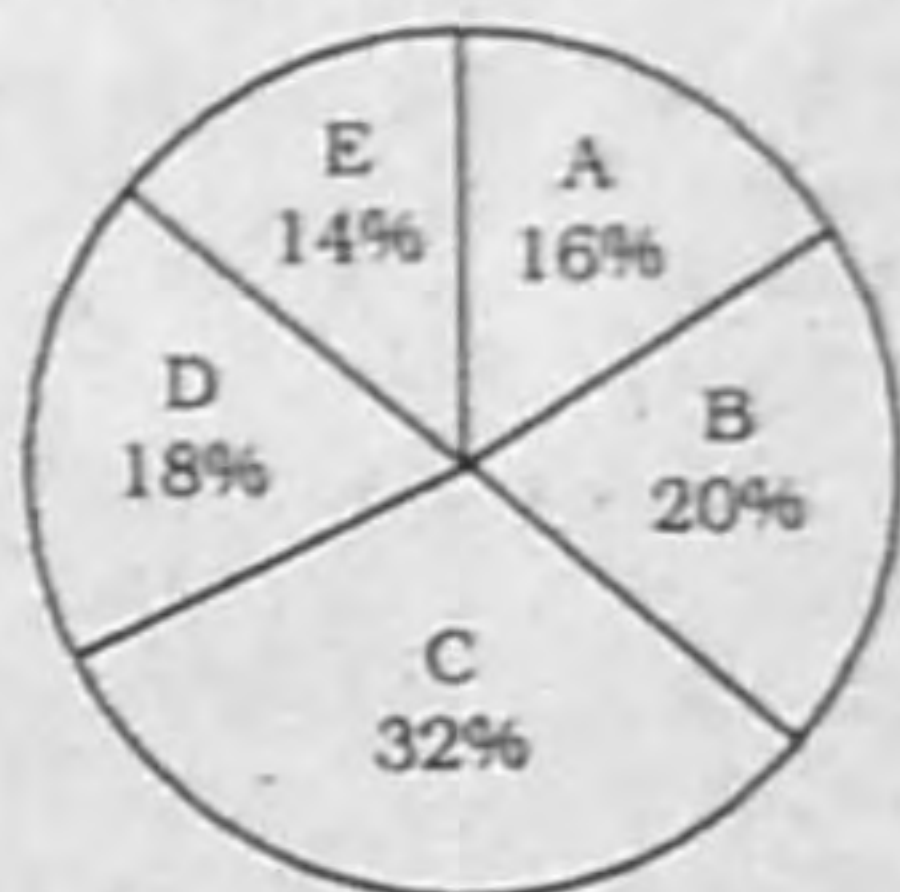
- (1) 45 (2) 40  
(3) 60 (4) 64  
(5) 80

**Directions (44-48) :** Refer to the pie-charts and answer the given questions.

**Distribution of number of students (both male and female) in five management institutes in 2009 :**  
Their total number : 1500



**Distribution of number of female students in five management institutes in 2009 :**  
Their total number : 700



44. What is the central angle corresponding to the number of students (both male and female) in institute E?

- (1)  $63.4^\circ$  (2)  $68.4^\circ$   
(3)  $65.2^\circ$  (4)  $72.6^\circ$   
(5)  $70.6^\circ$

45.  $\frac{1}{4}$  th of the number of students (both male and female) in institute D are science graduates. If the number of male science graduate students in institute D is 26, approximately what percentage of female students in institute D are science graduates?

- (1) 45 (2) 35  
(3) 27 (4) 40  
(5) 22

46. The number of students (both male and female) in institute C increased by 25% from 2009 to 2010. If the respective ratio of number of male and female students in 2010 in institute C was 4 : 3, what was the number of female students in institute C in 2010?

- (1) 255 (2) 180  
(3) 210 (4) 240  
(5) 225

47. What is the difference between total number of female students in institutes A and E together and number of students (both male and female) in institute B?

- (1) 135 (2) 133  
(3) 145 (4) 142  
(5) 140

48. What is the average number of male students in institutes A, C and D?

- (1) 142 (2) 134  
(3) 138 (4) 144  
(5) 136

49. The respective ratio of diameter and height of a right circular solid cylinder is 7 : 3. Had the height of the cylinder been 25% less, its curved surface area would have been  $264 \text{ m}^2$  less. What is the total surface area of the cylinder? (in  $\text{m}^2$ )

- (1) 2154 (2) 2288  
(3) 2402 (4) 2312  
(5) 2246

50. A boat takes a total time of 5 hours to cover a distance of 60 kms upstream and 60 kms downstream. If the speed of the boat in still water is 40% more than the speed of the river current, what is the speed of the boat in still water? (in kmph)

- (1) 25 (2) 30  
(3) 20 (4) 18  
(5) 15

51. Ram's monthly salary is 25% more than that of Seema. Both of them save 25% of their respective monthly salaries. If the difference between the amounts saved by Ram and that saved by Seema, is Rs. 2500, what is the monthly salary (in Rs.) of Seema?

- (1) 50000 (2) 60000  
(3) 70000 (4) 40000  
(5) 30000

52. Jar A and jar B, each have a mixture of milk and water. Quantity of milk in jar A is 180 litre and is three times the quantity of water in the same jar. Quantity of milk in jar B is twice that of water in the same jar. Contents of jar B was emptied into jar A, and as a result the respective ratio between the milk and water in the resultant mixture in jar A, became 11 : 4. What is the initial quantity of milk in jar B? (in litre)

- (1) 10 (2) 60  
(3) 16 (4) 40  
(5) 20

53. The compound interest (compounded annually) on Rs. 2300 for 2 years at 'R' p.c.p.a. is Rs. 1012. If Rs. 3100 is invested for '2 + y' years in scheme B, which offers simple



interest at 'R-8' per cent per annum the amount received from scheme B is Rs. 4960, what is the value of  $y$ ?

- (1) 3 (2) 5  
(3) 2 (4) 1  
(5) 4

54. In 1998, the respective ratio of ages of father, mother and their only son was 6 : 5 : 2. In 2002, a girl (daughter) was born. If in 2003, the average age of 4 members of the family was 30 years, what will be son's age in 2021? (in years)

- (1) 39 (2) 41  
(3) 43 (4) 45

(5) Other than those given as options

**Directions (55-59) :** What approximate value will come in place of question mark (?) in the given questions? (You are not expected to calculate the exact value)

55.  $101.01 + 27.99 = \sqrt{?} \times 42.99$

- (1) 9 (2) 25  
(3) 4 (4) 49  
(5) 16

56.  $3.01 \times 4.99 - 30.99 + 24.01 = ?$

- (1) 13 (2) 3  
(3) 19 (4) 26  
(5) 8

57.  $\frac{3.99 \times 7.99 \times 31.99}{127.99} + 29.99 = ?$

- (1) 33 (2) 48  
(3) 28 (4) 43  
(5) 38

58.  $\sqrt{100.01} + \sqrt{121.01} + \sqrt{36.99} - ? = (4.99)^2$

- (1) 20 (2) 28  
(3) 12 (4) 16  
(5) 4

59.  $16.99 + 71.01 = ? \times 2.01 \times 3.99$

- (1) 6 (2) 31  
(3) 25 (4) 11  
(5) 19

**Directions (60-64) :** In the following questions, a number series is given in which one number is wrong. Find out the wrong number. Do not consider alternate series.

60. 7 92 173 250 323 394 457

- (1) 323 (2) 92  
(3) 394 (4) 250  
(5) 173

61. 8 56 336 1680 6720 20040

- (1) 6720 (2) 1680  
(3) 56 (4) 20040  
(5) 336

62. 7 11 36 54 179 215 558

- (1) 36 (2) 54  
(3) 179 (4) 11  
(5) 215

63. 6 127 227 300 372 421 457

- (1) 372 (2) 300  
(3) 421 (4) 127  
(5) 227

64. 10 15 30 75 225 900 3150

- (1) 30 (2) 900  
(3) 75 (4) 15  
(5) 225

65. Lalit purchased an article from a shopkeeper who allowed a discount of 30% on the marked price of the article but charged a sales tax of 25% on the discounted price. Lalit then sold the article to Purav for Rs. 1323 and thereby earned a profit of 40% on his cost price. What is the marked price of the article?

- (1) Rs. 1180 (2) Rs. 1080  
(3) Rs. 1040 (4) Rs. 1160  
(5) Rs. 1020

## REASONING

66. A correctly remembers that B's birthday is in the month of September. C correctly remembers B's birthday is after 18th September. D correctly remembers that B's birthday is on a Friday and before 28th September. If the first day of September was a Wednesday that year then on which date is B's birthday?

- (1) 27th (2) 21st  
(3) 19th (4) 22nd  
(5) 24th

67. Four of the following five alike in a certain way based on the English alphabetical series and thus form a group. Identify the one which does not belong to the group?

- (1) UZX (2) CHE  
(3) DIG (4) JOM  
(5) NSQ

**Directions (68-70) :** In each of the following questions, three statements followed by three Conclusions numbered I, II and III have been given. You have to take the given statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given Conclusions logically follows from the given statements :

**68. Statements :**

- All roads are sides.  
All gadgets are roads.  
No frame is a gadget.

**Conclusions :**

- I. Some frames are definitely not roads.  
II. All sides being frames is a possibility.  
III. Atleast some sides are gadgets.  
(1) Only III follows  
(2) Only I and II follow  
(3) Only I and III follow  
(4) Only I follows  
(5) None of I, II and III follows

**69. Statements :**

- Some bamboos are clusters.  
Some orchids are bamboos.  
All dangers are clusters.

**Conclusions :**

- I. All orchids being dangers is a possibility.  
II. All orchids can never be clusters.  
III. Some bamboos are definitely not dangers.  
(1) Only II and III follow  
(2) Only I and III follow  
(3) All I, II and III follow  
(4) Only II follows  
(5) Only I follows

**70. Statements :**

- No silt is a clay.  
All plasters are clays.  
No hill is a slit.

**Conclusions :**

- I. No plaster is a slit.  
II. All hills can never be clays.  
III. Some hills are definitely not plasters.  
(1) Only I follows  
(2) All I, II and III follow  
(3) Only II follows  
(4) Only II and III follow  
(5) Only III follows



**Directions (71-75):** Study the following information carefully and answer the questions given below:

Eight people are sitting around a circular table. Some of them are facing the centre and some are facing outside (i.e. opposite to the centre).

A sits third to the right of B. Both A and B face the same direction (i.e. if A faces the centre then B also faces the centre and vice-versa). C sits to the immediate right of A. The immediate neighbours of C face opposite directions (i.e. if one neighbour faces the centre then the other faces outside and vice-versa). Only three people sit between D and E. G sits second to the right of D. G faces the centre. F is not an immediate neighbour of G. Both H and D face the same direction. The immediate neighbours of H face opposite directions. F sits second to the left of C. F and C face opposite directions (i.e. if C faces the centre then F faces outside and vice-versa).

71. Who amongst the following sits to the immediate right of D?

- (1) C (2) H  
(3) A (4) B  
(5) F

72. As per the given arrangement, only \_\_\_\_\_ people sit between B and F, when counted from the right of B.

- (1) Five (2) One  
(3) Four (4) Three  
(5) Two

73. Who amongst the following is an immediate neighbour of G and also faces the centre?

- (1) D (2) H  
(3) C (4) E  
(5) B

74. Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one of the following does not belong to the group?

- (1) C (2) E  
(3) H (4) D  
(5) F

75. In which of the following pairs do both the people face the same direction?

- (1) F, G (2) G, D  
(3) A, C (4) B, F  
(5) E, A

**Directions (76-80):** Study the following information carefully and answer the questions given below:

Fourteen people are sitting in two parallel rows containing seven people each in such a way that there is equal distance between adjacent persons. In row I A, B, C, D, E, F and G are seated and all of them are facing north. In row II P, Q, R, S, T, U and V are seated and all of them are facing south. Thus in the given arrangement each member seated in a row faces another member of the other row.

A sits third from an extreme end of the row. G sits second to the left of A. The one who faces G sits second to the right of R. The one who faces R sits second to the left of C. The one who faces C sits to the immediate left of V. T sits third to the right of V. The one who faces T sits third to the left of E. P sits to the immediate right of S. Neither P nor S sits at an extreme end of the row. F sits to the immediate left of D. Q sits at one of the positions to the left of U.

76. How many people sit between F and G?

- (1) Three (2) None  
(3) Two (4) One  
(5) More than three

77. Who amongst the following faces Q?

- (1) D (2) B  
(3) E (4) F  
(5) A

78. Which of the following is true about B as per the given arrangement?

- (1) B sits second to the right of G.  
(2) B sits at an extreme end of the row.  
(3) Only two people sit between B and D.  
(4) B faces an immediate neighbour of R.  
(5) None of the given statements is true.

79. Four of the following five are alike in a certain way based on the given arrangement and

thus form a group. Which one of the following does not belong to that group?

- (1) U (2) T  
(3) S (4) B  
(5) F

80. Who amongst the following are immediate neighbours of U?

- (1) Q, T (2) P, Q  
(3) T, R (4) R, Q  
(5) P, R

**Directions (81-85):** Study the following information carefully and answer the questions given below:

In a certain code language,

'confused about meeting friends' is written as 'de cv mo st'

'friends asked over phone' is written as 'ji mo np bq'

'phone call about meeting' is written as 'st zr de ji'

'confused people over think' is written as 'np ha cv fu'

(All codes are two letter codes only)

81. If in the given code language, 'think noble' is coded as 'ha wy' then 'noble people call' will be coded as \_\_\_\_\_.

- (1) zr wy fu (2) wy np cv  
(3) cv fu de (4) de ji np  
(5) fu de wy

82. In the given code language, what does the code 'st' stand for?

- (1) friends  
(2) either 'meeting' or 'about'  
(3) confused  
(4) phone  
(5) either 'friends' or 'over'

83. What is the code for 'asked' in the given code language?

- (1) np (2) ji  
(3) bq (4) mo  
(5) de

84. Which of the following may represent the code for 'friends buy phone' in the given code language?

- (1) mo ji zr (2) np pz zr  
(3) cv pz ha (4) pz ji mo  
(5) ji cv pz

85. What is the code for 'confused' in the given code language?

- (1) de (2) mo  
(3) np (4) fu  
(5) cv



**Directions (86-90) :** Study the following information carefully and answer the questions given below :

Nine people- J, K, L, M, N, O, P, Q and R - were born in three different months- January, April and July of the same year on either of the three dates- 5th, 16th and 22nd. Thus only one person was born on each date of each month. It is assumed that only the given people were born in the given year.

J was born on 16th of a month having 31 days. Only four people were born between J and N. P was born immediately after N. K was born on an odd numbered date. K was not born in the months in which P and J were born. As many people were born before K as after M. Only one person was born between M and O. L was born immediately before Q.

**86.** Who amongst the following was born immediately before M?

- (1) Q (2) J  
(3) R (4) K  
(5) N

**87.** On which of the following dates was R born?

- (1) 5th January  
(2) 22nd July  
(3) 16th January  
(4) 16th July (5) 22nd April

**88.** How many people were born between L and P?

- (1) Three  
(2) More than three  
(3) One (4) Two  
(5) None

**89.** As per the given arrangement, four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to the group?

- (1) KR (2) RP  
(3) QJ (4) LO  
(5) NL

**90.** Who amongst the following was born on 5th July?

- (1) K (2) M  
(3) N (4) O  
(5) None of those given as options

**91.** In this question are given three statements followed by five Conclusions, one of which

definitely logically follows from the given statements. That Conclusion is your answer.

(NOTE : You have to take the three given statements to be true even if they seem to be at variance from commonly known facts.)

**Statements :**

Some pigeons are crows.

No duck is crow.

All sparrows are pigeons.

(1) No duck is a sparrow

(2) All sparrows are crows

(3) Some pigeons are ducks

(4) All crows being sparrows is a possibility

(5) Some crows are definitely not pigeons.

**92.** How many such pairs of letters are there in the word 'CREDIT', each of which has as many letters between them in the word (in both forward and backward directions) as they have between them in the English alphabetical series ?

- (1) Three (2) None  
(3) More than three  
(4) Two (5) One

**Directions (93-95) :** Study the following information carefully and answer the questions given below :

B is married to D. P is the brother of B. R is the father-in-law of D. Q is the mother of R and G. K is the only daughter-in-law of Q. M is the only daughter of K.

**93.** If K has no brother-in-law, then how is G related to P?

- (1) Uncle  
(2) Grandmother  
(3) Sister  
(4) Father-in-law  
(5) Aunt

**94.** How is Q related to M?

- (1) Grandmother  
(2) Mother-in-law  
(3) Sister-in-law  
(4) None of those given as options  
(5) Aunt

**95.** How is B related to G?

- (1) Daughter-in-law  
(2) Nephew  
(3) Either 'son-in-law' or 'daughter-in-law'  
(4) Either 'son' or 'daughter'  
(5) Grandson

**Directions (96-100) :** Study the following information carefully and answer the questions given below :

Ten boxes are kept above one another in a stack. Box A is kept at fourth position from the bottom of the stack. Only two boxes are kept between box A and box B. Only three boxes are kept between box B and box C. Only three boxes are kept between box C and box D. Box E is kept at one of the positions above box D. Only two boxes are kept between box E and box F. Box G is kept immediately below box F. Box H is kept at one of the positions below box G. As many boxes are kept between box H and box C as between box C and box I. Box J is kept at one of the positions below box I.

**96.** As per the given arrangement, which box is kept immediately below box J?

- (1) C (2) H  
(3) A (4) B  
(5) D

**97.** Which of the given statements is TRUE with respect to the given arrangement?

(1) None of the given statements is true

(2) Only seven boxes are kept below box C.

(3) Box G is kept at one of the positions below box C.

(4) Box B is kept at second position from the bottom of the stack.

(5) Only four boxes are kept between box I and box F.

**98.** As per the given arrangement, as many boxes are kept between box J and box F as between \_\_\_\_\_.

- (1) Box C and box I  
(2) Box A and box H  
(3) Box E and box B  
(4) Box D and box B  
(5) Box G and box E

**99.** As per the given arrangement, what is the position of box D from the top of the stack?

- (1) Fourth (2) Third  
(3) Second (4) Sixth  
(5) Fifth

**100.** As per the given arrangement, how many boxes are kept between box A and box E?

- (1) Two (2) One  
(3) Eight (4) Five  
(5) Four