Four competitions in Painting, Dancing, Singing and Essay Writing were held in college in the month of February on the 2nd, 3rd, 4th, and 5th, not necessarily in that order. The winners of these events were Amit, Amitabh, Binod and Bikash.

(A) No person was the winner of more than one competition.
(B) No two persons were the winners of the same competition.
(C) Amit was not the winner of the Painting competition, which was held before the Dancing competition.
(D) Bikash did not win the Singing competition, which was not the 1st event.
(E) Binod won the event held on 2nd February but did not win the Painting competitions.
(F) Dancing competition was not the last event.

12. If Amit did not win the last event, who won the event held on 3rd February?
    (1) Amit
    (2) Bikash
    (3) The person who participated in singing.
    (4) Amitabh
    (5) The person who participated in Essay writing.

13. Which of the following statements can be TRUE?
    (1) Amitabh won the Painting competition on 4th February.
    (2) Bikash won the Singing competition on 5th February.
    (3) Amitabh won the painting competition on 5th February.
    (4) Amit won the Singing competition on 4th February.
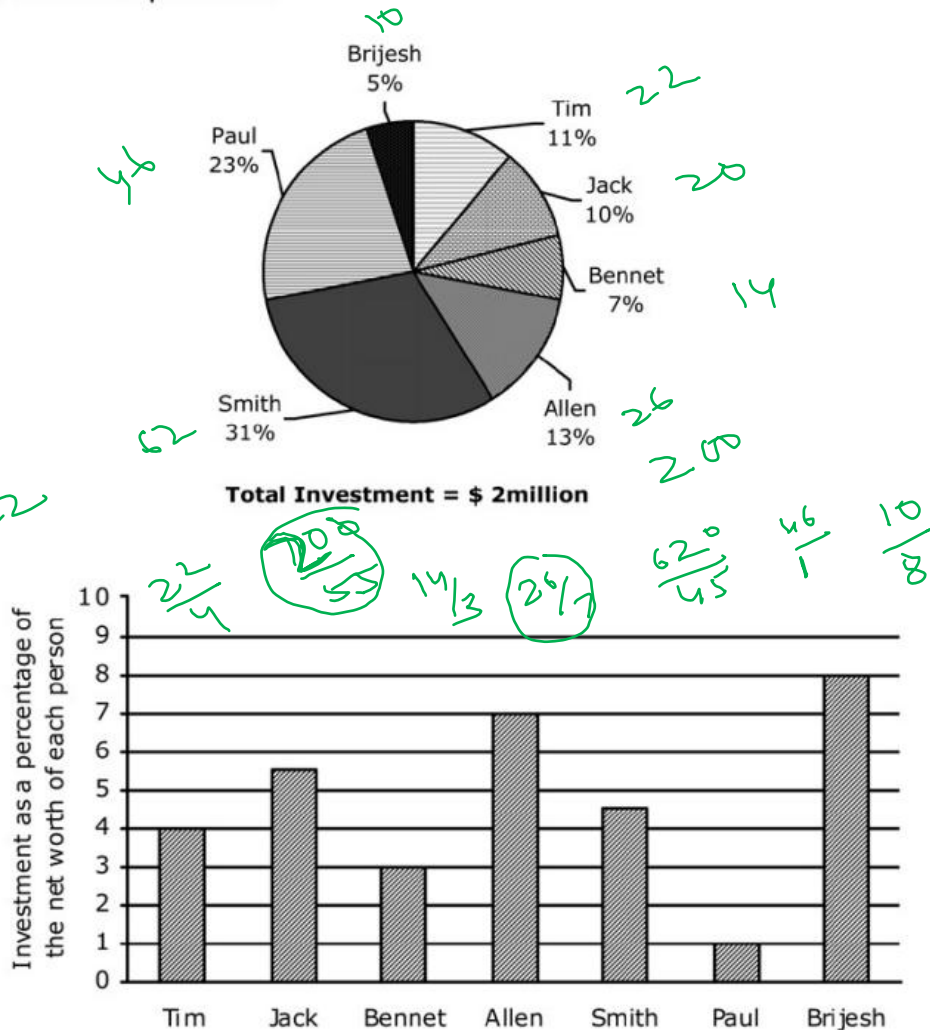   (5) Bikash won the Dancing competition on 4th February.

14. Which event was held on 4th February?
    (1) Dancing   (2) Singing   (3) Essay writing
    (4) Painting   (5) Cannot be determined

15. If Amitabh did not win in Painting and Amit did not win in Singing, then the date on which Amitabh won an event was
    (1) 2nd February   (2) 3rd February   (3) 4th February
    (4) 5th February   (5) Cannot be determined

Seven persons came together and invested a certain amount to start a business. The pie chart below represents the percentage share of investment of each of the seven business partners.

Brijesh 5%
Tim 11%
Jack 10%
Bennet 7%
Allen 13%
Smith 31%
Paul 23%

Total Investment = $ 2million

Investment as a percentage of the net worth of each person

Tim | Jack | Bennet | Allen | Smith | Paul | Brijesh

8. The net worth of which person is the highest?
(1) Smith (2) Paul (3) Brijesh
(4) Allen (5) None of these

9. The difference between the net worth in (million dollars) of Allen and Jack is approximately
(1) 0.04 (2) 0.08 (3) 0.07 (4) 0.06 (5) 0.09

10. Total investment made by Bennet as a percentage of the net worth of Brijesh is
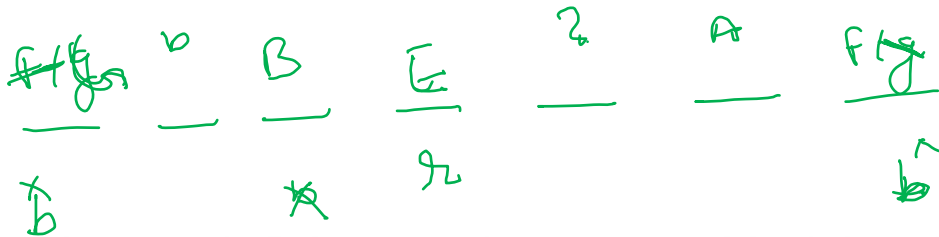(1) 5.6% (2) 8.8% (3) 9.9% (4) 10.3% (5) 11.2%

11. Which of the following statements is/are true?

I.   Of all the seven persons, the net worth of Brijesh as a percentage of the investment made by him is the least.

II. The total investment made by Paul is more than that made by Jack by 230%.

III. The net worth of Allen as a percentage of the total investment made by all the seven persons is 142.8%.

(1) Only I   (2) Only I and II

(3) Only II and III   (4) Only I and III

(5) I, II and III

Seven persons A, B, C, D, E, F and G are sitting in a row facing north. Of these seven persons, three are wearing red hats, two are wearing blue hats, one is wearing a green hat and the other one is wearing a white hat. We have the following information about them.

(i) F and G, who are not wearing blue hats, are at the extreme ends of the row.
(ii) B is to the immediate right of a person wearing a blue hat.
(iii) Only one person wearing a blue hat is adjacent to E.
(iv) The two persons wearing blue hats are not adjacent to each other.
(v) For a person wearing a blue hat, the persons sitting on either side of him are not wearing hats of the same colour.
(vi) E, who is sitting in the middle of the row, has as many number of persons, wearing a red hat, to his left as to his right.

8. What is the colour of the hat worn by the person who is to the immediate right of B?
(1) Red
(2) Green
(3) White
(4) Either (1) or (2)
(5) Either (2) or (3)

9. If G, who is wearing the green hat, is to the immediate left of D, then what is the colour of the hat, the person who is to the immediate left of F wearing?
(1) Red
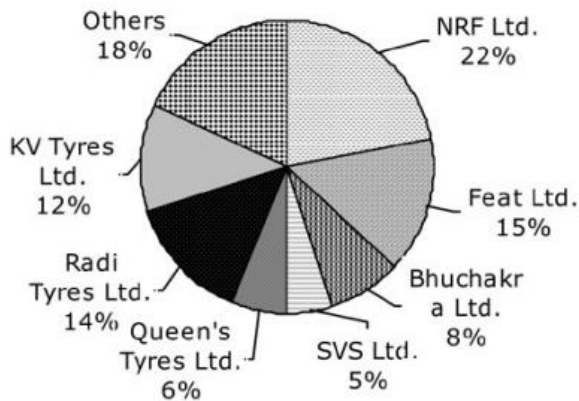(2) Blue
(3) White
(4) Either (1) or (2)
(5) Either (2) or (3)

10. If the number of persons between D and F is the same as the number of persons between A and G, then what is the colour of the hat that C is wearing?
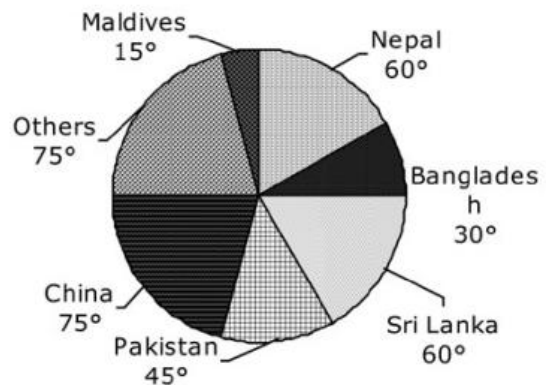(1) Red
(2) Blue
(3) Green
(4) White
(5) Cannot be determined

11. If A is wearing the red hat, then the person who is to the immediate left of A is wearing a hat of which colour?
(1) Red
(2) Blue
(3) Green
(4) White
(5) Cannot be determined

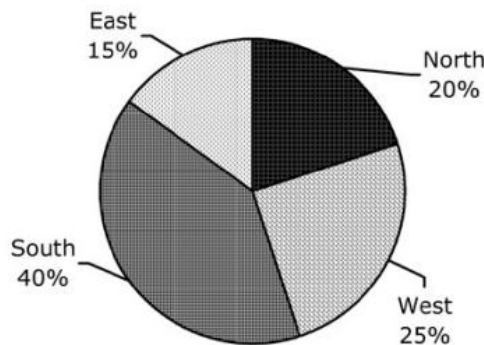**Company wise split up of the domestic
sales of Tyres for 2003-2004**

Others 18%
NRF Ltd. 22%
KV Tyres Ltd. 12%
Feat Ltd. 15%
Radi Tyres Ltd. 14%
Bhuchakra Ltd. 8%
Queen's Tyres Ltd. 6%
SVS Ltd. 5%

Total = Rs.4000 crore

**Country wise split up of the exports of
Queen's Tyres Ltd. for 2003-2004**

Maldives 15°
Nepal 60°
Others 75°
Bangladesh 30°
China 75°
Sri Lanka 60°
Pakistan 45°

**Zone wise split up of the domestic sales
of Queen's Tyres Ltd. for 2003-2004**

East 15%
North 20%
South 40%
West 25%

Note: The exports of Queen's Tyres Ltd. are 25% of its domestic sales.

8. If the exports of Bhuchakra Ltd. are 20% of its domestic sales, then by how
   much are the exports of Queen's Tyres Ltd. to China less than the total
   exports of Bhuchakra Ltd?
   (1) Rs.52.5 crore   (2) Rs.41.5 crore
   (3) Rs.51.5 crore   (4) Rs.42.5 crore
   (5) None of these

9. In 2003-2004, the sales of Queen's Tyres Ltd. in the North zone form what
   percentage of the exports of SVS Ltd., if the ratio of the exports and
   domestic sales of SVS Ltd. is 3 : 5?
   (1) 40%   (2) 32%   (3) 60%   (4) 25%   (5) 45%

10. The average export price of a tyre manufactured by Queen's Tyres Ltd. is
   twice that of the tyres sold domestically. If Queen's Tyres Ltd. sold 4,50,000
   tyres during 2003-2004, how many of them were exported?
   (1) 80,000   (2) 1,20,000   (3) 50,000
   (4) 75,000   (5) Cannot be determined

s

11. If the total number of tyres exported to Sri Lanka by Queen's Tyres Ltd. is 5000, what is the average price per tyre exported by Queen's Tyres Ltd. to Sri Lanka?

(1) Rs.10,000   (2) Rs.20,000   (3) Rs.15,000

(4) Rs.25,000   (5) None of these

Three players A, B and C played in three matches I, II and III. The scores for each of them in the three matches are 10, 20 and 30, not in any specific order. The total runs scored by the three players in match III was 20 more than that in match I. Total runs scored in match II are less than those scored in match III.

12. If no two persons scored the same number of runs in match II, then, a total of how many runs were scored in match III?
(1) 60   (2) 90   (3) 80   (4) 100   (5) 70

13. Which of the following can be the total number of runs scored by the three players in match I?

(i) 40   (ii) 50   (iii) 60   (iv) 70

(1) (i) and (ii) only
(2) (ii) and (iv) only
(3) (iii) and (iv) only
(4) (ii) and (iii) only
(5) (i) and (iii) only
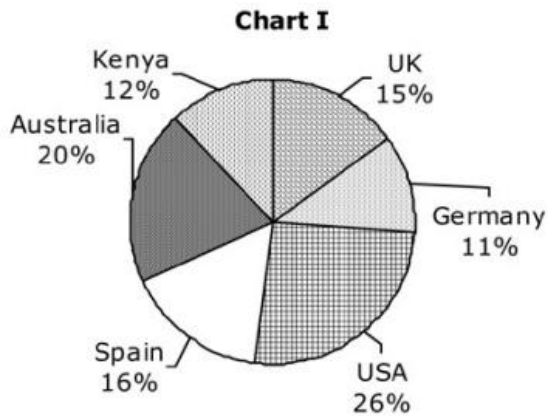
14. Which of the following statements must be false?
(1) The total number of runs scored in match II can be 60.
(2) The total number of runs scored in match III can be 60.
(3) The total number of runs scored in match III can be 80.
(4) Any of the above
(5) All of (1), (2) and (3)

15. If only one player scored 30 runs in match III, find the total runs scored by the other two players in the match III.
(1) 40   (2) 50   (3) 30
(4) 60   (5) None of these

A group of five persons must be selected from among five men – Rahul, Srujan, Uttam, Vinit and Zayed – and from among four women – Nayana, Malini, Laasya and Kavita. It is also known that,
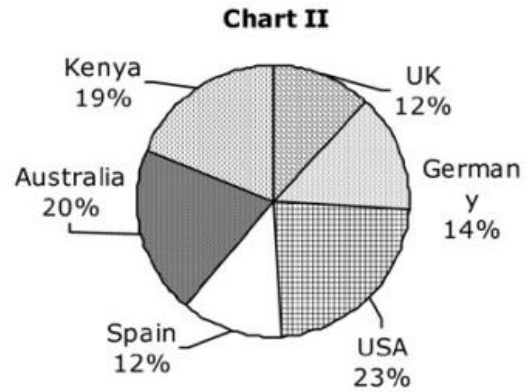(1) at least two men and at least two women must be selected
(2) if Zayed is selected, Malini must be selected
(3) exactly one of Rahul and Vinit can be selected.
(4) exactly one of Kavita and Uttam must be selected.
(5) if Srujan is not selected, Nayana must be selected.
(6) if Nayana is not selected, Kavita must be selected.

13. If Uttam is not selected, who among the following must be selected?
    (1) Srujan   (2) Laasya   (3) Malini
    (4) Kavita   (5) Either (2) or (3)

14. If only two women are selected and Srujan is not selected, who among the following will always be there in the team?
    (1) Only Uttam, Zayed, Malini and Nayana.
    (2) Only Uttam, Rahul, Vinit, Malini and Nayana.
    (3) Only Uttam, Zayed and Malini.
    (4) Only Uttam and Malini.
    (5) Only Uttam, Malini and Rahul.

15. If three women are selected, which of the following is true?
    (1) If Nayana is selected, Rahul cannot be selected.
    (2) If Uttam is selected, Nayana is selected.
    (3) If Srujan is selected, Kavita is selected.
    (4) If Malini is selected Zayed is selected.
    (5) If Rahul is selected, then Nayana is not selected

Chart I

Kenya 12%
UK 15%
Australia 20%
Germany 11%
Spain 16%
USA 26%

Chart II

Kenya 19%
UK 12%
Australia 20%
German y 14%
Spain 12%
USA 23%

value 1260

qty

300000
3 lac ton

Chart I shows the distribution by value of the exports of woven cotton fabrics to various countries in the year 2002.

Chart II shows the distribution by quantity of the exports of woven cotton fabrics to various countries in the year 2002. The total value is \$1260 million. The total quantity is 300 thousand tonnes.

11. The country in which the average price is the highest is

(1) UK   (2) Germany   (3) USA   (4) Australia   (5) Spain

12. The average price (in \$/kg) for Spain is approximately

(1) 5·60   (2) 4·80   (3) 3·60   (4) 3·20   (5) 2.40

Four players Dharam, Param, Karam and Naram play three different games I, II and III. In each of the three games, each player scored different number of points amongst 10, 20, 30 and 40, not necessarily in that order. The player who accumulated maximum points at the end of the three games was declared winner and was ranked 1st. The first runner up was ranked 2nd and so on. The player who scored the least was ranked 4th. Following are the conditions.

(i) The only player who was ranked ahead of Param scored same number of points in the Ist and the IIIrd game.
(ii) Param scored 40 points in the IInd game.
(iii) No player scored distinct number of points in all the three games.
(iv) No player scored the same number of points in all the three games.
(v) Param scored 40 points more than Naram, while Dharam scored more than Karam.

1. Find the difference in the total scores of Dharam and Karam.
   (1) 30   (2) 40   (3) 50
   (4) 20   (5) Cannot be determined

2. What is the score of Param in Game III?
   (1) 50   (2) 30   (3) 40   (4) 10   (5) 20

3. What is the difference in the scores of Param and Karam after the first two games?
   (1) 10   (2) 20   (3) 30   (4) 40   (5) 50

4. Who scored an overall score of 90 points in the three games together?
   (1) Dharam   (2) Param   (3) Karam   (4) Naram   (5) No one

5. Who scored 30 points in Game III?
   (1) Karam   (2) Dharam   (3) Naram   (4) Param   (5) No one