## MATHEMATICS (041)

CHAPTER: DATA HANDLING

## ASSIGNMENT

Q. 1 The area cultivated under different crops in a village in the year 2010 was as follows:

| Crops | Rice | Wheat | Oil Seeds | Cotton | Sugarcane |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Area (in <br> acres) | 36 | 24 | 28 | 40 | 32 |

Represent the data in pie-chart.
Q. 2 The following pie chart gives the marks obtained by a student in five subjects i.e. English, Mathematics, G.Sc, S.Sc and Hindi. The total marks obtained by the student were 180. Answer the following questions:
i) In which subject did the student score 35 marks?

ii) How many more marks were obtained by the student in English than in Hindi?
iii) Examine whether the sum of the marks obtained in Mathematics and S.Sc is more that that of English and Hindi.
Q. 3 A card is drawn from a pack of 52 cards. Find the probability that card drawn is:
a) A black queen
b) A card of diamond
c) A red cad
d) A jack
Q. 4 A bag contains 5 red balls, 4 black balls and 3 white balls. A ball is drawn at random from the back, what is the probability that the ball drawn is:
a) red
b) black
c) white
d) not black
Q. 5 What is the probability of getting a number less than 7 in a throw of dice?
Q. 6 The table below shows the expenditure in percentage incurred on the construction of a house in a city:

| Items | Bricks | Cement | Steel | Labour | Miscellaneous |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Expenditure | $15 \%$ | $20 \%$ | $10 \%$ | $25 \%$ | $30 \%$ |

Represent the above data by a pie chart.
Q. 7 The following pie-chart shows the monthly expenditure of a family on food, clothing, rent, miscellaneous expenses and savings. If the family spends Rs. 825 on clothing, answer the following questions:
i) What is the total monthly income of the family?
ii) What percent of the total income does the family save?


