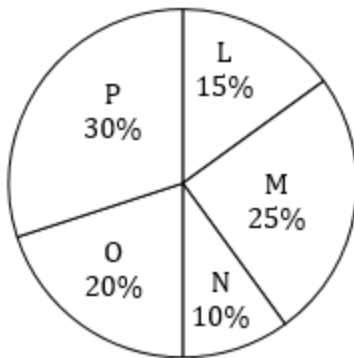# BHARAT SCHOOL OF BANKING
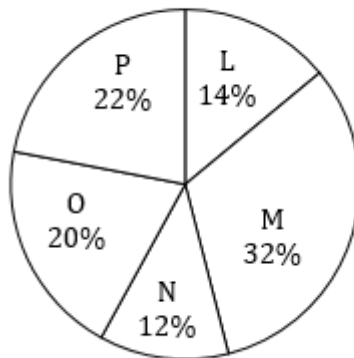# DATA INTERPRETATION

Directions (1-5): Study the following pie-charts carefully to answer the questions that follow. Percentage break-up of number of children in five different villages and break up of children attending school from these villages.

Total number of children = 2040

Total children attending school = 1450

Q1. What is the respective ratio of total number of children from village O to the number of children attending school from the same village?
(a) 204 : 145
(b) 179 : 131
(c) 167 : 111
(d) 266 : 137
(e) None of these

Q2. What is the number of children attending school from village N?
(a) 145
(b) 159
(c) 170

(d) 164
(e) None of these

Q3. What is the total number of children not attending school from villages M and N together?
(a) 69
(b) 56
(c) 76
(d) 63
(e) None of these

Q4. What is the total number of children from villages P and M together?
(a) 1422
(b) 1142
(c) 1122
(d) 1211
(e) None of these

Q5. The number of children attending school from village L is approximately what per cent of the total number of children from that village?
(a) 78
(b) 72
(c) 57
(d) 84
(e) 66

Direction (6-10): Study the given pie-charts carefully to answer the questions that follow. Break up of number of employees working in different departments of an organisation, the number of males and the number of employees who recently got promoted in each department. Break up of employees working in different departments
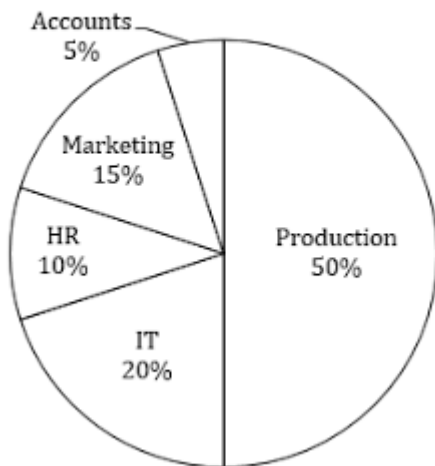
BHARAT SCHOOL OF BANKING
DATA INTERPRETATION

Employees working in different departments

Total number of employees = 3600

Break up of number of males in each department
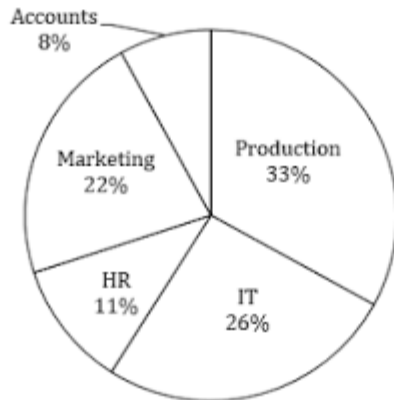**Total number of males in the organisation = 2040**

BHARAT SCHOOL OF BANKING
DATA INTERPRETATION

Total Number of employees who got promoted = 1200

Number of employees who recently got promoted from each department

Q6. If half of the number of employees who got promoted from the IT department were males, what was the approximate percentage of males who got promoted from the IT department?
(a) 61
(b) 29
(c) 54
(d) 42
(e) 38

Q7. What is the total number of females working in the production and marketing departments together?
(a) 468
(b) 812
(c) 582
(d) 972
(e) None of these

Q8. How many females work in the accounts department?
(a) 618
(b) 592
(c) 566
(d) 624
(e) None of these

Q9. The total number of employees who got promoted from all the departments together was what per cent of the total number of employees working in all the departments together? (rounded off to the nearest integer)
(a) 56
(b) 21
(c) 45
(d) 33
(e) 51

Q10. The number of employees who got promoted from the HR department was what per cent of the total number of employees working in that department? (rounded off to two digits after decimal)
(a) 36.18
(b) 30.56
(c) 47.22
(d) 28.16
(e) None of these

S1. Ans.(a)
Sol. Number of children from the village O
$= \frac{2040 \times 20}{100} = 408$
Number of children attending school from the village O
$= \frac{1450 \times 20}{100} = 290$
∴ Required ratio = 408 : 290 = 204 : 145

S2. Ans.(e)
Sol. Number of children attending school from the village
$N = \frac{1450 \times 12}{100} = 174$

S3. Ans.(c)
Sol. Number of children in villages M and N together
$= \frac{2040 \times 35}{100} = 714$
Number of children attending school from villages M and N together
$= \frac{1450 \times 44}{100} = 638$
∴ Required answer = 714 - 638 = 76

S4. Ans.(c)
Sol. Number of children from village P and M together
$= \frac{2040 \times 55}{100} = 1122$

S5. Ans.(e)
Sol. Number of children in village L
$= \frac{2040 \times 15}{100} = 306$
Number of children attending school from village L
$= \frac{1450 \times 14}{100} = 203$
∴ Required percentage
$= \frac{203}{\_\_\_} \times 100 \approx 66\%$

S6. Ans.(e)
Sol. Number of male employees in IT department
$= \frac{2040 \times 20}{100} = 408$
Number of promoted male employees in IT department
$= \frac{1}{2}\left(1200 \times \frac{26}{100}\right) = 156$
∴ Required percentage $= \frac{156}{408} \times 100 \approx 38$

S7. Ans.(c)
Sol. Number of female employees in production department
$= \left(3600 \times \frac{35}{100} - \frac{2040 \times 50}{100}\right)$
= 1260 - 1020 = 240
Number of female employees in marketing department
$= \left(\frac{3600 \times 18}{100} - \frac{2040 \times 15}{100}\right)$
= 648 - 306 = 342
∴ Required number of females
= 240 + 342 = 582

S8. Ans.(a)

Sol. Number of female employees in accounts department

$$= \frac{3600 \times 20}{100} - \frac{2040 \times 5}{100}$$

$$= 720 - 102 = 618$$

S9. Ans.(d)

Sol. Required percentage

$$= \frac{1200}{3600} \times 100 \approx 33\%$$

S10. Ans.(b)

Sol. Total number of employees who got promoted $= 1200 \times \frac{11}{100} = 132$

Total number of employees in HR department $= 3600 \times \frac{12}{100} = 432$

$\therefore$ Required percentage $= \frac{132}{432} \times 100 = 30.56$