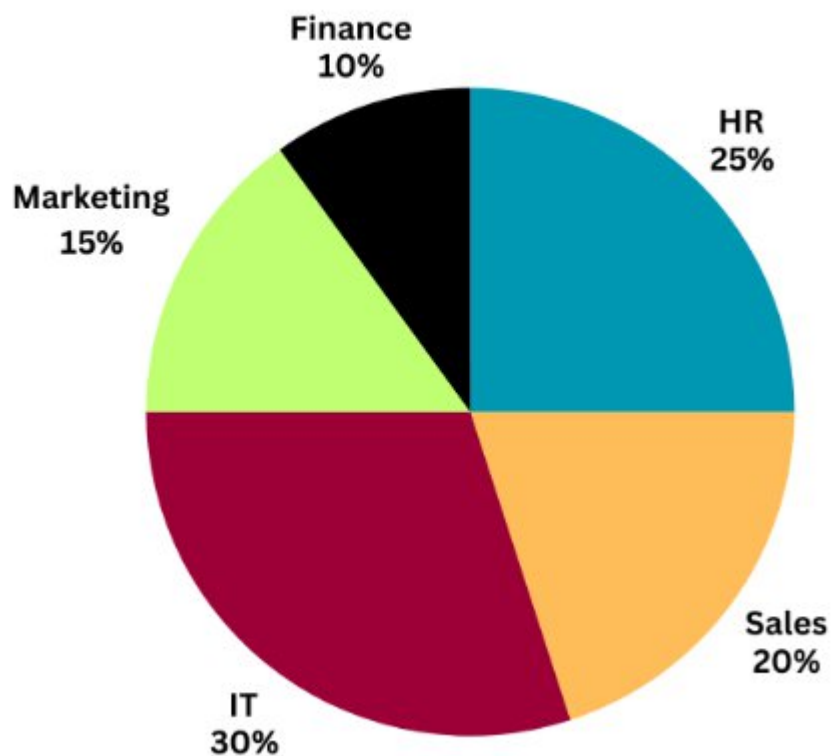# Pie Charts

Instructor: Akash Bhattacharya

Q1) **A company's annual budget is distributed across five departments:**

1) **The total budget is $2,000,000. What budget is allocated to the Marketing department?**

(a) 200,000
(b) 300,000
(c) 150,000
(d) 250,000
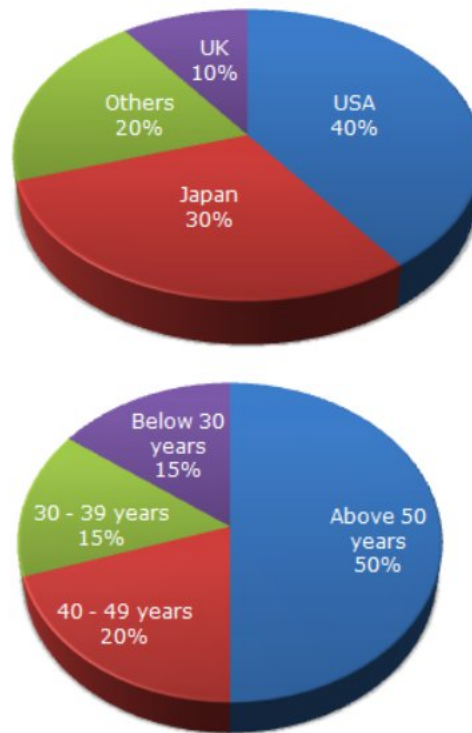
2) **If the budget allocated to Sales is 40k. What is the budget allocated to the IT and HR combined?**

(a) 55k
(b) 100k
(c) 110k
(d) 120k

Q2)

The following pie charts exhibit the distribution of the overseas tourist traffic from India. The two charts shows the tourist distribution by country and the age profiles of the tourists respectively.

Distribution of Overseas Tourist Traffic from India.

1. What percentage of Indian tourist went to either USA or UK ?

(a) 40 %

(b) 50 %

(c) 60 %

(d) 70 %

2. The ratio of the number of Indian tourists that went to USA to the number of Indian tourists who were below 30 years of age is ?
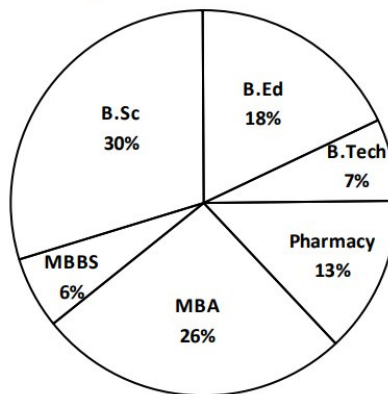
(a) 2:1

(b) 8:3

(c) 3:8

(d) Cannot be determined

3. If amongst other countries, Switzerland accounted for 25% of the Indian tourist traffic, and it is known from official Swiss records that a total of 25 lakh Indian tourists had gone to Switzerland during the year, then find the number of 30-39 year old Indian tourists who went abroad in that year?

(a) 18.75 lakh

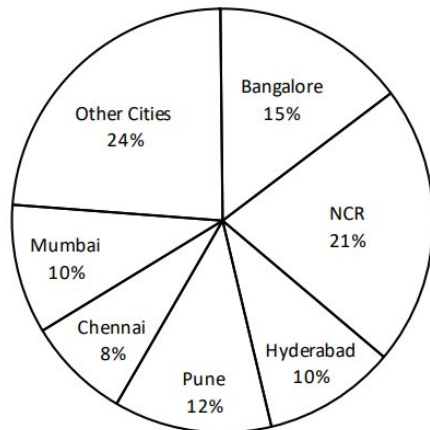(b) 25 lakh

(c) 50 lakh

(d) 75 lakh

Q3)

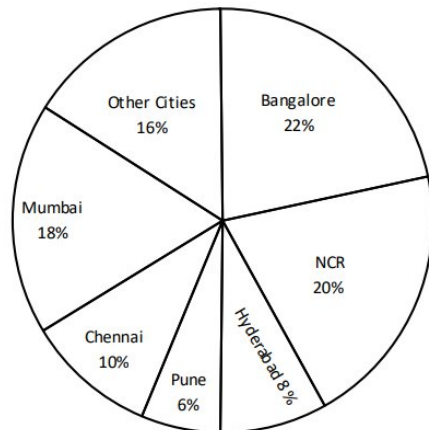**Total Students = 6500 Percentage distribution of Students in different courses**

1) What is the value of half of the difference between the number of students in MBA and MBBS?

(1) 800 (2) 1600 (3) 1300 (4) 650 (5) None of these

2) What percentage (approximately) of students are in MBA as compared to students in B.Ed.?

(1) 49 (2) 53 (3) 59 (4) 41 (5) 44

3) What is the total number of students in B.Ed., Pharmacy and MBBS together?

(1) 2465 (2) 2565 (3) 2405 (4) 2504 (5) None of these

4) What is the respective ratio between the number of students in Pharmacy and the number of students in B.Tech?

(1) 11 : 13 (2) 13 : 6 (3) 13 : 7 (4) 6 : 13 (5) None of these

5) Number of students in B.Sc. is approximately what percentage of the number of students in B.Ed.?
(1) 167 (2) 162 (3) 157 (4) 153 (5) 150

Q4) Following pie-charts show the percentage distribution of job vacancies in IT industries in the year 2000 and 2010. In the year 2000, the total number of vacancies was 5.4 lakh, and in the year 2010, it was 8.6 lakh.

Year - 2000

Year - 2010

1) What is the difference between the number of vacancies available in Bangalore in the year 2010 and 2000?

(1) 108200 (2) 113120 (3) 118400 (4) 96400 (5) None of these

2) What is the average number of vacancies available in Hyderabad in the year 2000 and 2010?

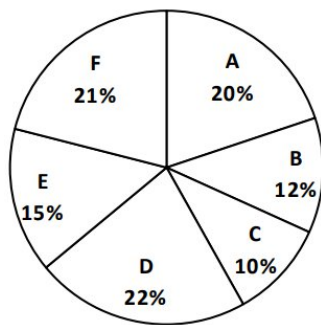(1) 41080 (2) 42740 (3) 58610 (4) 61400 (5) 62800

3) What is the total number of vacancies available in Chennai in 2000 and in Mumbai in the year 2010?

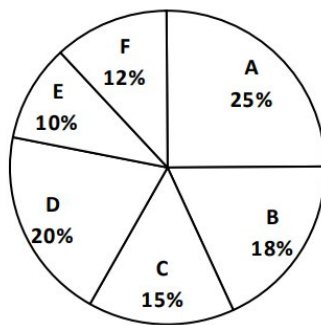(1) 2.16 lakh (2) 2.04 lakh (3) 1.98 lakh (4) 1.92 lakh (5) None of these

*4) What is the percentage rise in vacancies available in Hyderabad from year 2000 to 2010? (Give approximate value only).

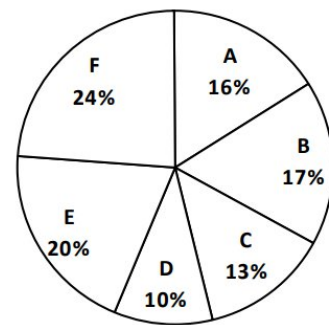(1) 21.8% (2) 23.2% (3) 24.5% (4) 26.2% (5) 27.41%

Q5) The total number of employees of a company is 8000, in which the ratio of Male to Female is 3 : 5 and Graduate to Non-graduate is 3 : 2. Following pie-chart shows the percentage distribution of these employees among different departments.

[Total = 8000]   Male   Graduate

1) What is the number of employees working in Department F who are non-graduate?

(1) 528 (2) 526 (3) 524 (4) 522 (5) 520

2) What is the total number of male graduate employees working in Department D?

(1) 600 (2) 1160 (3) 480 (4) 1280 (5) None of these

3) What is the difference between the total number of female employees and the total number of male employees working in the company?

(1) 1000 (2) 2000 (3) 3000 (4) 4000 (5) 5000

4) The number of graduate employees working in Department C is what percentage of the number of non-graduate employees working in Department E?

(1) 260% (2) 180% (3) 160% (4) 120% (5) 60%

5) The total number of female employees in Department F is what percentage more than the total number of male employees working in Department A?

 (1) 72% (2) 74% (3) 76% (4) 78% (5) 80%