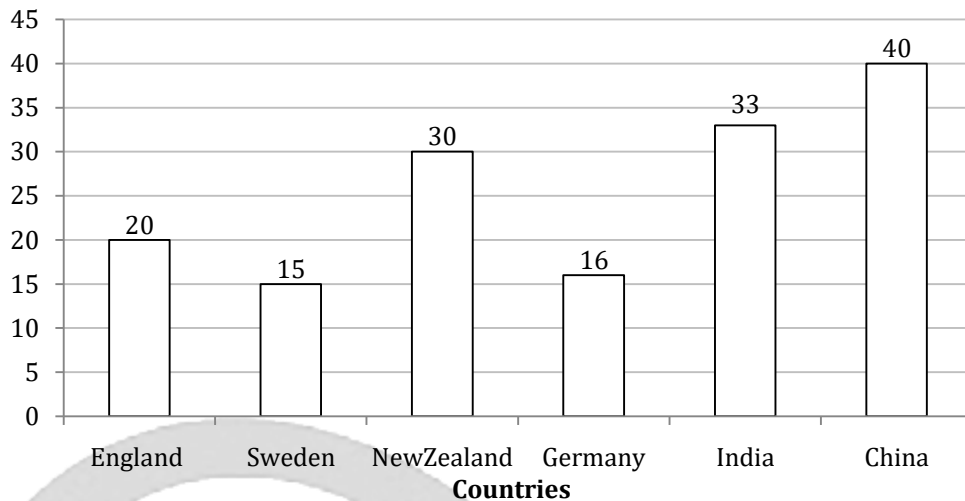


**QUANTITATIVE TECHNIQUES**

**Passage 1**

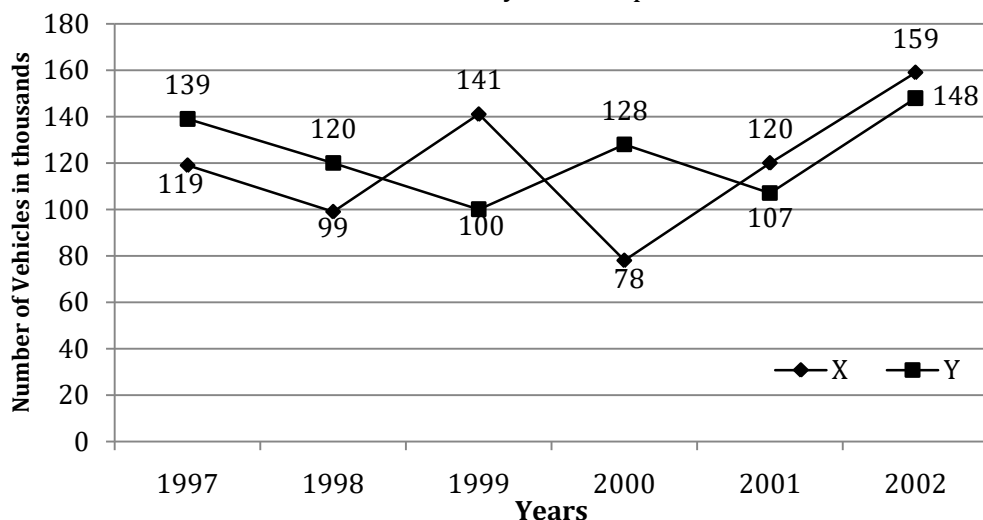
**BIRTH RATE PER THOUSAND**



- The birth-rate of which country is 25% more than that of Germany?  
 (a) India (b) China  
 (c) England (d) New Zealand
- The birth rate of India is what per cent of the birth-rate of England?  
 (a) 165% (b) 155%  
 (c) 140% (d) 100%
- The birth-rate of China is how many times the birth-rate of Germany?  
 (a) 0.4 (b) 5.2  
 (c) 4.0 (d) 2.5
- What is the ratio of birth-rates of India to that of Sweden?  
 (a) 5 : 11 (b) 11 : 5  
 (c) 2 : 1 (d) 1 : 2
- By how much per cent is the birth-rate of England less than the birth-rate of New Zealand?  
 (a) 30% (b) 33%  
 (c) 45% (d) 50%

**Passage 2**

**Vehicles made by two companies**



6. What is the difference between the two companies in the given years?  
 (a) 16000 (b) 26000  
 (c) 28000 (d) 30000
7. What is the difference between the numbers of vehicles manufactured by Company Y in 2000 and 2001?  
 (a) 21000 (b) 22000  
 (c) 23000 (d) 24000
8. What is the average number of vehicles manufactured by Company X over the given period?  
 (a) 119133 (b) 119233  
 (c) 119333 (d) 119433
9. In which of the following years, the difference between the productions of Companies X and Y was the maximum among the given years?  
 (a) 1800 (b) 1875  
 (c) 1900 (d) 2000
10. The production of Company Y in 2000 was approximately what percent of the production of Company X in same year?  
 (a) 163% (b) 164%  
 (c) 165% (d) 166%

### Passage 3

An automobile company manufactured only two brands of cars X and Y in the year 2010. In the year 2011, it introduced a new brand of car Z. The number of cars of brands X and that of brand Y manufactured in the year 2010 was in the ratio of 4: 5 respectively. The number of cars of brand X manufactured in the year 2010 to that in the year 2011 was in the ratio of 3 : 2 and the number of cars of brand Y manufactured in the year 2010 to that in the year 2011 was in the ratio of 3: 4. Further, the total number of cars manufactured in the year 2011 if brand Z forms 30% of the total number of cars manufactured in the year 2011.

11. If total number of cars of brand X manufactured in 2010 is 1200, find the number of cars of brand Y manufactured in 2011.  
 (a) 1200 (b) 1500  
 (c) 1800 (d) 2000
12. By what percent is the manufacturing of Y in 2011, more than the manufacturing of Z in the same year?  
 (a) 33.33% (b) 50%  
 (c) 66.66% (d) 80%
13. If a total of 8100 cars were manufactured in the year 2010, then what is number of car Z manufactured in 2011?  
 (a) 3000 (b) 3600  
 (c) 2400 (d) 6000
14. If the manufacturing of cars depends directly upon the demand of cars in the market in a particular year, then what percent of the total market demand does brand X constitute in 2011?  
 (a) 30% (b) 40%  
 (c) 33.33% (d) 20%
15. If the profit generated by brand Y is ₹2 lakhs per car, which is half of the profit generated by brand Z per car, then what is the total profit generated by the brand Z if 1200 cars of brand X were sold in the year 2011? (assuming all the manufactured cars were sold).  
 (a) ₹7200 lakhs (b) ₹6600 lakhs  
 (c) ₹ 6000 lakhs (d) ₹5400 lakhs