


| 6 | If $x$ and $y$ be the number of birds and deer respectively, what is the equation of total number of eyes? <br> a) $x+y=1000$ <br> b) $x+y=500$ <br> c) $x-y=1000$ <br> d) $x-y=500$ |
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| 7 | What is the equation of total number of legs? <br> a) $2 x+y=70$ <br> b) $x+2 y=500$ <br> c) $x+2 y=700$ <br> d) $2 x-y=500$ |
| 8 | How many birds are there in the Zoo? <br> a) 1000 <br> b) 5000 <br> c) 300 <br> d) 200 |
| 9 | How many deer are there in the Zoo? <br> a) 500 <br> b)200 <br> c) 300 <br> d) 700 |
| 10 | Total number of animals (birds and deer) is <br> a) 1000 <br> b) 700 <br> c) 500 <br> d) 300 |
|  | Case Study 3: <br> It is common that Governments revise travel fares from time to time based on various factors such as inflation (a general increase in prices and fall in the purchasing value of money) on different types of vehicles like auto, Rickshaws, taxis, Radio cab etc. The auto charges in a city comprise of a fixed charge together with the charge for the distance covered. Study the following situations <br> Situation 1: In city A, for a journey of 10 km , the charge paid is Rs 75 and for a journey of 15 km , the charge paid is Rs 110. <br> Situation 2: In a city B, for a journey of 8 km , the charge paid is Rs91 and for a journey of 14 km , the charge paid is Rs 145 . |
| 11 | (Refer situation 1) If the fixed charges of auto rickshaw be Rs $x$ and the running charges be Rs $y \mathrm{~km} / \mathrm{hr}$, the pair of linear equations representing the situation is <br> a) $x+10 y=110, x+15 y=75$ <br> b) $x+10 y=75, x+15 y=110$ <br> c) $10 x+y=110,15 x+y=75$ <br> d) $10 x+y=75,15 x+y=110$ |
| 12 | (Refer situation 1) A person travels a distance of 50 km . The amount he has to pay is <br> a) Rs. 155 <br> b) Rs. 255 <br> c) Rs. 355 <br> d) Rs. 455 |
| 13 | (Refer situation 2) What will a person have to pay for travelling a distance of 30 km ? <br> a) Rs. 185 <br> b) Rs. 289 <br> c) Rs. 275 <br> d) Rs. 305 |

