**Roll No. ………………………..**

**Renaissance College of Commerce & Management**

**Assignment Question Paper**

**B.Com. (Hons) I Year Examination**

**Subject: Mathematics**

***Note*** *:* Attempt any All Question

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| 1. | A bag contains one rupee, fifty paisa and ten paisa coins. The rupee and fiftypaisa coins arein the ratio of 2:5 and the fifty paisa and ten paisa coins are in the ratio of 4:9. If the totalamount is Rs. 1125, find the number of coins of each type. |
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| 2. | A merchant purchased 25 baskets of fruits @Rs2 per basket .the fruits of 5 baskets turned out bad and were thrown off. Find the selling price per basket if he wants 121/2 % profit. |
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| 3. | Find the sum due payable at the end of 4 years @5% p.asimple interest if true discount is 125. |
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| 4. | A boat goes 30km upstream and 44 km downstream in 10 hours. It also goes upstream 40km and downstream 55 km in 13 hours. Find the speed of the stream and the boat in still water. |
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| 5. | Solve the following Linear programming Problem by graphical methodMaximizeZ=10X+3YSuch that X+2Y≤20X+5Y≤35X+4Y≤48X, Y≥0 |