NIIT Technologies Model Paper Questions

Q1. Rakesh started a business, investing Rs. 90,000. After six months, Mohan joined him with a capital of 1,50,000. If at the end of three years, total profit was Rs. 43,000, Rakeshs profit is what per cent of Mohans profit?

a) 60%
b) 72%
c) 83.33%
d) 63.52%
e) None of these

Q2. If \( 13 = \frac{13w}{1-w} \), then \((2w)^2 = \)

a) \(\frac{1}{4}\)
b) \(\frac{1}{2}\)
c) 1
d) 2

ANS: c

Q3. My mother gave me money to buy stamps of price 2paisa, 7 paisa, 15 paisa, 10paisa and 20 paisa. I had to buy 5 each of three types and 6 each of the other 2 types. But on my way to the post office I forgot how many of stamps of each type were to be brought. My mother had given me rupees 3. So I had no problem in finding out the exact amount of each one. Can you tell me which stamps were 5 in number and which were 6 in number?

ANS: 5 stamps each of 2 paisa, 7 paisa, 15 paisa.

Q4. Find the value of \((0.75\times0.75\times0.75-0.001)/(0.75\times0.75-0.75+0.01)\)

a) 0.845
b) 1.908
c) 2.312
d) 0.001

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Q5. What is the output?

```c
main()
{
    int i,*j;
    i=5;
    j=&i;
    printf(i= %d,i);
    f(j);
    printf(i= %d,i);
}
void f(int*j)
{
    int k=10;
    j= &k;
}
```

a) 5 10  
b) 10 5  
c) 5 5  
d) none