Name: Nishant Bhandari

Roll No: 06

Clares: SYCS

Subject : FA.

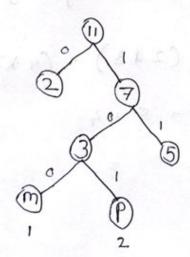
Assignment: 1

9. Solve Ruffman coding.

Sol2:

0	hanect en	1 Face were
i	m	Frequency
	P	2
	S	100 100 100
	Calleton	16 24 6 (9)

The generated huffman tree is:



following are the codes:

Total no of

6its

Charecter	Trequency	Code	Code dength
m	100	100	3
Р	2	loi	3
5	4	11	2
9	4	0	and back as place
			- 1

21

Also any bits por character can be found using:

Total no. of bits oney = 21 = 1.909
Total no. of chars.