NAME :- KRUNAL RANK

ROLL No :- U18CO081

CLASS :- BTECH 4TH YEAR

SEMESTER :- 7

DIVISION :- B

CNS
Tutorial 2

Ans 1: According to the given confusion matrix,

$$Precision = \frac{TP}{TP+FP} = \frac{70}{70+10} = \frac{7}{8} = 0.875$$

$$Recall = \frac{TP}{TP+FN} = \frac{70}{70+40} = \frac{70}{110} = 0.6363$$

Ans 2: GCD (2740, 1760)

2	2740
2	1370
5	685
137	137
	1

2	1760
2	880
2	440
2	220
2	110
5	55
11	11
	1

$$2740 = 2^2 \times 5 \times 137$$
$$1760 = 2^5 \times 5 \times 11$$

$$GCD (2740, 1760) = 2^2 \times 5 = 20$$

Ans 3:
$$P = 15$$
$$N = 13$$
$$(P+N) \% . 26 = (16+14) \% .26 = 4$$
$$= (15+13) \% .26$$
$$= 28 \% .26$$
$$= 2$$
$$= C$$

Ans 4:→ Encrypted tent = XJSI TS BMFYXFUU
Key = 5
Decrypted tent = SEND ON WHATSAPP