Assignment -1

Q1]

Marks	Freq.	less than	more than	relativ.
0 – 10	2	2	80	$2/80 =$
10 – 20	4	6	78	$4/80$
20 – 30	8	14	74	$8/80$
30 – 40	14	28	66	$14/80$
40 – 50	20	48	52	$20/80$
50 – 60	15	63	32	$15/80$
60 – 70	8	71	17	$8/80$
70 – 80	5	76	9	$5/80$
80 – 90	4.	80	4	$4/80$

Q2] Histogram ⇒
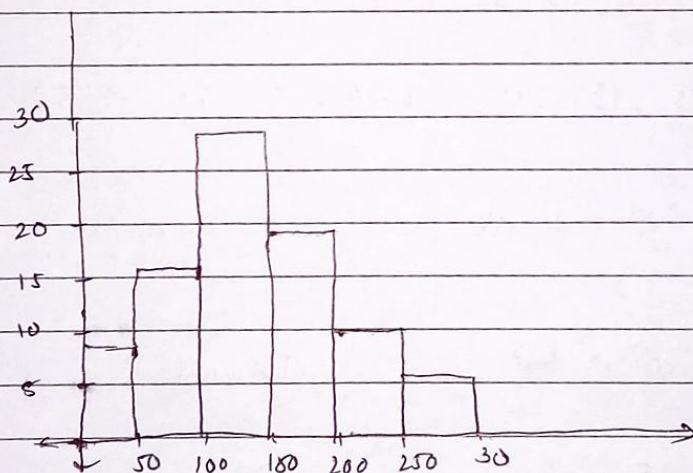
Q3)

$$i = \frac{L - S}{1 + 3.222 \log_{10} n}$$

$L = 59$
$S = .06$
$n = 30$

$$i = \frac{59 \div 6}{1 + 3.222 \log_{10} (30)} = \frac{53}{5.75} = 9.20$$

$k = 5.75 \approx 6$
$i = 9$

Class $\Rightarrow$ $6 - 12$, $12 - 18$, $18 - 24$, $24 - 30$, $30 - 36$, $36 - 42$,
$42 - 48$, $48 - 54$, $54 - 59$

Class $\Rightarrow$ $6 - 15$, $15 - 24$, $24 - 33$, $33 - 42$, $42 - 51$, $51 - 59$

Q4)

Down.   Grass   Pyale   Temu   Vatu.

* Classification $\Rightarrow$ Frequy

Classification	Tally	Frequency
$6 - 15$	|||||	5
$15 - 24$	||	2
$24 - 33$	|||| |||	8
$33 - 42$	||||	4
$42 - 51$	|||||	5
$51 - 59$	||||		6

FOR EDUCATIONAL USE

	A			B		
	men	women	Total	men	women	total
Coffe	25	20	45	25	15	40
Non-coffe	35	20	55	30	30	60
Total	60	40	100%	55	45	100%

Q5)

$\dfrac{x}{2}\diagup y$

	100-200	200-300	300-400	400-500	500-600
10 - 20	|||	||			
20 - 30		ЖХ	||	||		
30 - 40		||			ЖХ		
40 - 50						ЖХ
	3	9	3	8	7

Total = 30