vc.D-27/3/15 - FYBI	FM Sem I – Basic Statistic – 75 Marks – 2 ½ Hrs -	
Note: 1. All Questions are con 2. Figures to sight indica		
Q.1 A) Fill in the blanks		(5)
Quartile divides distribution as Four by the statistical experiments as Sample by the same of the	e. Six c. None of above nent every possible out come is called . Sample point c. Space on making all possible situations are b. Never known perfect Negative c. Positive perfect te with	
B) Match the following	c. None of these	
A	7,	(5)
1. Average	a. Symmetrical bell shaped	
2. Sample Size	b. 3N / 4	
3. Vital Statistics	c. \Six/\Si	
4. Q	d. n	
5. Normal Curve	e. Census method	
C) State True or False		
1. Coefficient of correction of 2. Range is not based on all 3. Scatter diagram can give to For a movement distribution index number the base.	observation he degree of relationship between two variables	(5)
(1) Draw less than curve for the	ne following	
	Bursting Pressure in Kgs No of bags 10-15 2 9 20-25 25-30 54	(8)
	30-35	

	1 2 11	wing	
B) Calculate ar thmetic mean	& mode for the follow	No of employee	61
	Daving	80	
	500-1000	120	
	1000-1500	100	
	1500-2000	50	
	2000-2500	50	
	2500-3000	1.70	
	(OR	
C) Calculate quartile deviation	& its	N. Carrier	(15)
	Fees in Rs	No of Groups	
	2000-2500	4	
	2500	6	
	1,000	12	
	3500-4000		
	4000-4500		
	4500-5000	7	
Q.3 A) Draw histogram for following	g distribution		(8)
	Weekly Wages in I	Rs No of Workers	7
	40-45	15	
	45-50	9	
	50-55	15	,
	55-60	13	r
	60-65	11	
	65-70	12	
	70-75		Q
B) Find mean deviation from mo	de for the following	data	17
	penditure in Rs 10		(7)
0	20	14	
20	-30	23	
30	-40	27	
40	-50	21	
	-60	15	
	OB	The state of the s	
C) Find rank correlation for the fo	OR		
a constant on the 10			
	Rank I R	Sank II	(8)
	3		
	2 4		
	3		
	4 2		
D) Finds	5 1		
D) Find trend values using three ye	early moving average	e for the	
		to the following	
			(7)
scanned by CamScanner			

	Year	Production in
		(Million Tonnes)
	1966	3()
	1967	33
	1968	28
	1969	35
	1970	38
1	1971	40
	1972	44
	1973	47
1	1974	46
-	1975	57
1	1976	55

OR

.4 A) Find fisher's index number for the following information

Commodity	1996		1997	
	Price	Qu	Price	()IV
A	2	74	3	82
В	5	125	4	140
C	7	40	6	52

- B) A room has 3 lamps from a collection of 10 light bulbs of which 6 are not good a person-select 3 at dom and out there in the sockets what is probability that he will have light from all 3 lamps (7)
- Write short notes on (Any 3)

(15)

(8)

- 1. Limitation of Index number
- 2. Meris & Demerits of mean
- 3. Functions of statistics
- 4. Statistical method VS Experimental Method
- Meri's & Demerits of mean deviation