## IJ12AAK

TIME: 2 hrs.

MARKS: 50

Instructions: 1) All questions are compulsory.

- 2) Figures to the right indicate full marks.
- 3) Graph papers, log tables will be provided on request.
- Q.1 A) Explain the following terms with the example.

(6)

- i) Attributes
- ii) Discrete variable
- iii) Continous variable
- iv) Class Marks
- B) Draw multiple bar diagram for the following data.

(6)

Period	Net worth	Net profit
	(Rs. in Crores)	(Rs. in Crores)
2001-2002	7.5	0.6
2002-2003	9.7	3.1
2003-2004	14.5	6.9
2004-2005	23.7	8.2
2005-2006	31.9	11.3

OR

A) Write down the steps inconstruction of subdivided bar diagram

(6)
and pie diagram

(6)

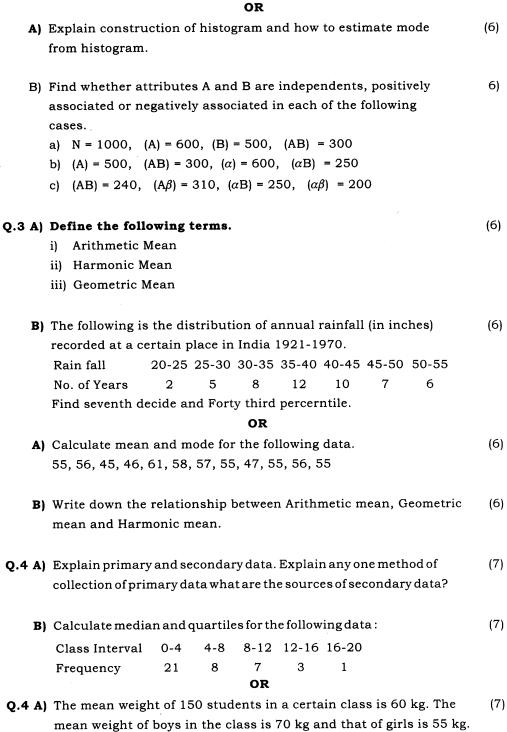
(6)

## B) Tabulate the following information.

Out of the total 930 books issued from Valia College library in the month of August 2008 to three classes, F.Y.B. Com., S.Y.B.Com and T.Y.B.Com, 492 were of the subject Accountancy 83 were of Computer and the remaining belonged to other subject. 105 books of Accountancy were issued to F.Y.B. Com students, 187 to S.Y.B.Com to S.Y.B.Com Students, No. books were issued to F.Y.B.Com classes, but S.Y.B.Com students demanded 33 books on computer. 75 books of other subject were issued to F.Y.B.Com students and 130 to S.Y.B.Com students.

Q.2 A) Draw less than ogives for the following data and hence estimate median.

Class Interval 0-10 10-20 20-30 30-40 40-50 50-60 Frequency 10 16 24 28 25 20 Class Interval 60-70 70-80 80-90 90-100 Frequency 18 12 10 5



Find number of boys and girls in the class. Also find percentage of

boys to girls.

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**Q.4 B)** The following bivariate frequency table gives the distribution of 100 students according to their height and weight.

	weight			
Height	91-100	101-110	111-120	121-130
56-60	3	12	15	7
61-65	1	20	14	5
66-70	_	13	7	3

Construct i) Marginal frequency tables for height and weight separately

ii) Conditional frequency table for the height grater class 61-65 inches

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