Register Number :

Name of the Candidate :

5 1 5 7

B.Com. DEGREE EXAMINATION, 2009

(SECOND YEAR)

(PART - IV)

(PAPER - I)

231 / 620 / 630. BUSINESS STATISTICS

(Common with B.Com., International Business and B.Com., Accounting and Finance)

(Including Double Degree & Lateral Entry)

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any FIVE questions.
All questions carry equal marks.
(5 × 20 = 100)

1. Describe any two methods of collecting primary data from a finite population.

Turn over

2. Prepare a blank table to fill up the information about the employees in a company classified according to Department (Production, Quality Control, Packing), Sex (Male, Female) and Religion (Hindus, Muslims, Christians, Others).

3. Draw Histogram, Frequency Polygon for the following frequency distribution :

Daily Wages (Rs.)	No. of Workers
10 - 20	2
20 - 30	12
30 - 40	24
40 - 50	20
50 - 60	10
60 - 70	5
70 - 80	4

4. Compare the following two sets of data using co-efficient of variation of find out which set has less variability :

Set - 1 :	25	60	35	80	40	55	40	75
Set - 2 :	30	50	90	20	50	40	85	60

9. H¡ õ ¼‹ Mõ ófèOL ¼%¶ âOò ÞøŠ¹ MAî‹ ñŸÁ‹ , G¬ ôŠð´ ^ Fò ÞøŠ¹ MAî‹ Ý Aòõ Ÿ¬ø, èí , A´ è :

õò¶ (õ ¼ì fèO ™	ñ, èœª î £¬è	ÞøŠ¹ èO¡ â‡ E , ¬è
10 - , ° °¬øõ £è	25,000	460
10 - 30	40,000	600
30 - 40	10,000	240
40 º î ™	8,000	105

10. å ¼ Cø%î Mù £Šð†®ò ½, ° Kò ð‡ ¹ è¬ ÷ M÷ , A, Ü ¶ å ¼ Ü †ì õ¬ í Š ð†®ò L L ¼%¶ âš õ £Á ñ£Áð´ Aø¶ â¡ ð¬ î , ° PŠH´ è.

6. è£˜™Hò˜êQ¡ å†´ø¾‚ ª è¿ M¬ù, èí , A†´ Ü‹ ñFŠHŸ° Kò M÷, èˆ¬î ÜO, è :

X :	10	15	25	20	15	40	50	60
Y :	2·6	5·0	6·8	7·0	5·5	10·2	9·5	12·2

7. Hw û K¡ ° Pf †ª ì ‡ ¬ í , èí , A†´, è£ôˆF¼Š¹„ «êƒ¬ù ñŸÁ‹, è£óE ˆ F¼Š¹„ «êƒ¬ù¬ò êKð£˜, è :

ª ð£¼œ	2000		2005	
	M¬ô	Ü÷¾	M¬ô	Ü÷¾
A	40	2	65	3
B	80	5	120	6
C	60	2	80	1
D	20	2	50	2
E	15	4	40	5

8. å¼ è£ôˆ ª î £ì ˜ õK¬êJ ½œ÷ ï £¡ ° àÁŠ¹è¬÷»‹ î, è àî £óí ƒèÀì¡ MõK, è.

5. Define skewness and explain the different methods of finding absolute and relative measures of skewness.

6. Compute Karl Pearson's co-efficient of correlation and comment on your result :

X :	10	15	25	20	15	40	50	60
Y :	2·6	5·0	6·8	7·0	5·5	10·2	9·5	12·2

7. Calculate Fisher's price index number and verify Time Reversal Test and Factor Reversal Test :

Commodity	2000		2005	
	Price	Quantity	Price	Quantity
A	40	2	65	3
B	80	5	120	6
C	60	2	80	1
D	20	2	50	2
E	15	4	40	5

8. Explain all the four components of a Time Series with suitable examples.

9. Compute crude death rate and standardised death rate from the following information :

Age group (in years)	Population	No. of deaths
Below 10	25,000	460
Between 10 and 30	40,000	600
Between 30 and 40	10,000	240
Above 40	8,000	105

10. Discuss the properties of good questionnaire and show how it differs from a schedule.

î l ö£, è‹

ã«î Â ‹ **ä%¶** Mù£, èÀ , ° M¬ ì òO, è¾‹ .
Ü ¬ ùˆ ¶ ðF™èÀ , °‹ **êññ£ù** ñFŠª ð‡ èœ.

(5 × 20 = 100)

1. å¼ º ¿ ¬ ñˆ ª î £° FJ L ¼%¶ º î ™G¬ ôŠ¹ œO Mõ óƒ è¬ ÷ «êèKŠðî Ÿè£ù ã«î Â ‹ Þó‡ ´ º ¬ øè¬ ÷ Mõ K, è.

2. å¼ GÁõ ù ˆ F½œ÷ ðE ò£÷ ˜è¬ ÷ ¶ ¬ ø (à Ÿðˆ F, îó, è†´ Šð£´ , «ð, Aƒ) ð£™(Ý ‡ , ª ð‡ ,) ñŸÁ‹ ñî ‹ (Þ%¶ , Þv ô£‹ , APv ¶õ ‹ , Þî ó) Ý Aòõ ŸP¡ Ü ®Šð¬ ì J ™ ð° Šð£Œ¾ ª êŒ Mõ óƒ è¬ ÷ GóŠ¹ õî Ÿ° ã¶ õ £è å¼ è£L Ü †ì õ¬ í îò£K, è¾‹ .

3. H¡ õ¼‹ Ü ¬ ôª õ ‡ ðóõ½, ° å¼ ª êš õ è‹ ñŸÁ‹ , Ü ¬ ôª õ ‡ ðô «è£í ‹ õ ¬ óè :

Fù , ÃL (Ï .)	ª î £Nô£÷ ˜èO¡ â‡ E , ¬ è
10 - 20	2
20 - 30	12
30 - 40	24
40 - 50	20
50 - 60	10
60 - 70	5
70 - 80	4

4. H¡ õ¼‹ Þó‡ ´ °¿ , èO¡ Mõ óƒ èÀ , ° ñ£Áð£†´ , ª è¿ M¬ ù Š ðò¡ ð´ ˆ F âF™ °¬ øõ £ù ñ£Áð£´ à œ÷ ¶ âù , è‡ ì Pè :

Set - 1 :	25	60	35	80	40	55	40	75
Set - 2 :	30	50	90	20	50	40	85	60

5. «è£†ì ˆ î ¡ ¬ ñ ¬ ò õ ¬ óò ¬ ø ª êŒ¶ , êKò £ù ñŸÁ‹ , ª î £ì ˜¹ Ü ÷ ¬ õ è¬ ÷ , è‡ ì P»‹ ª õš «õ Á º ¬ øè¬ ÷ Mõ K, è.

Turn over