SUBJECT CODE : EC/MO/CE64

B. A. DEGREE EXAMINATION, APRIL 2008
BRANCH IV - ECONOMICS
SIXTH SEMESTER

COURSE   : **MAJOR – OPTIONAL**
PAPER   : **COMPUTER APPLICATIONS IN ECONOMICS**
TIME   : **3 HOURS.**   **MAX. MARKS : 100**

ANSWER ALL QUESTIONS

1. What is an electronic spreadsheet? Spell out its usefulness. How would you
    format a database?   (10 marks)

2. How would you enter the formula for least square method of determining trend in
    a weak sheet? Develop an imaginary set of numbers and show how this formula
    would be use.   (10 marks)

3. You are retained by Enfosys software for developing a work book for 500
    employees with provision for deducting Tax at 30%, provident fund at 10% and
    housing loan recovery at 12%. Develop a workbook with atleast 15 samples
    to demonstrate how would operate the workbook.   (10 marks)

4. In the database that you create for question 3, develop atleast 3 Frequency tables
    based on income levels, apply what-if analysis for these tables, and how would
    you copy data in to this database from some other files?   (10 marks)

5. What is meant by formatting a worksheet? Create a sample worksheet and
    explain how would a) adjust the column width,   b) apply borders and patterns,
    c) freeze titles   d) change fonts?   (10 marks)

6. Develop a chart for the following data:

Year	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Imports	135.7	144.6	150.9	166.2	190.7	218.2	211.8	187.9	229.9	259.4
Exports	1551	1599	1668	1728	1797	1916	1897	1931	2005	2040
Year	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Imports	274	280	295	277	260	254	250	287	276	241
Exports	2177	2054	2155	2305	2202	2147	2854	2689	2500	2000

(25 Marks)

7. Given below are the sales figures of sales achieved by 5 salesmen in 5 regions. Fit a straight line trend for each salesman.

Year	Sales man A	Sales man B	Sales man C	Sales man D	Sales man E
1965-66	100	100	100	100	100
1966-67	107	109	103	109	99
1967-68	115	115	111	111	105
1968-69	115	115	110	124	112
1969-70	118	126	110	136	118
1970-71	119	131	110	151	119
1971-72	130	132	110	152	127
1972-73	133	135	112	187	129
1973-74	140	143	114	200	133
1974-75	166	152	137	429	140
1975-76	210	160	151	452	158
1976-77	190	158	153	456	163
1977-78	201	168	158	454	175
1978-79	231	177	164	470	177
1979-80	297	212	202	574	178
1980-81	344	236	226	680	195

(25 Marks)

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