

Total No. of Questions : 10]

SEAT No. :

P3628

[Total No. of Pages : 2

[5560] - 584

T. E. (Computer Engineering)

INFORMATION SYSTEMS AND ENGINEERING ECONOMICS

(2015 Course) (Endsem) (Semester - I) (310244)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q1) or Q2), Q3) or Q4), Q5) or Q6), Q7) or Q8), Q9) or Q10).*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Assume suitable data, if necessary.*
- 5) *Use of scientific Calculator is Permitted.*

- Q1)** a) What are the different types of Information Technology? **[5]**
b) What are the challenges managers face while adopting cloud computing? **[5]**

OR

- Q2)** a) Analyze the bargaining power of the courier firms vs. Flipkart. Who has an edge? **[5]**
b) List and explain the characteristics of Transaction Processing System. **[5]**

- Q3)** a) Enlist the different technologies used for security. Explain them in brief. **[5]**
b) Explain various modules of Enterprise Resource Planning System. **[5]**

OR

- Q4)** a) What is ICT? Why are developing countries interested in ICT? **[5]**
b) Which one is better and why? Centralized IT management or decentralized IT management. **[5]**

- Q5)** a) What is time value of money? How is it calculated? **[8]**
b) If the nominal interest rate offered by X bank is 9% and is compounded quarterly while that of the Y bank is 8.5 % but is compounded continuously. Which bank is offering a better deal? **[8]**

OR

P.T.O.

- Q6)** a) State and explain in short the four fundamental principles that are followed in any Engineering Economic Decision? [8]
b) Explain the significance of equivalence calculation in economics. How it is related to cash flow? [8]

- Q7)** a) Explain with suitable example Net Present Value Method. [8]
b) Explain the following terms [8]
i) MARR
ii) Profitability index

OR

- Q8)** a) What are different types of inflation? Explain them in brief. [8]
b) Explain the following terms [8]
i) Internal Rate of Return
ii) Constant Value of Currency

- Q9)** a) What are the different types of financial statements? Explain them in brief. [10]
b) Explain Capital Expenses and Operating Expenses with proper examples. [8]

OR

- Q10)** a) Enumerate the elements of project cost. Explain them in brief. [10]
b) Describe different methods of depreciation. [8]

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