

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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