

Total No. of Questions : 10]

SEAT No. :

P1754

[Total No. of Pages : 3

[5460] - 584

T.E. (Computer Engineering)

**INFORMATION SYSTEMS AND ENGINEERING ECONOMICS
(2015 Pattern)**

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 indicate full marks.*
- 4) *Assume suitable data if necessary.*
- 5) *Use of scientific calculator is permitted.*

Q1) a) What is decision support system? How it is different from Transaction processing system? **[5]**

b) Explain the roles and responsibilities of Information system manager. **[5]**

OR

Q2) a) Discuss the role of information system in business. **[5]**

b) What are various types of firewall? Explain advantages and disadvantages of each of them. **[5]**

Q3) Explain the following terms : **[10]**

- a) Supply chain management
- b) ICT
- c) E - Governance
- d) Outsourcing

OR

P.T.O.

Q4) a) What are the controls in information security? List various types of controls. [5]

b) Write short note on : ERP. [5]

Q5) a) Explain the following : [8]

i) Business Economics and its scope.

ii) Engineering Economics decisions.

b) What is debt management? Explain. [8]

OR

Q6) a) Explain the following in detail : [8]

i) Rational decision making

ii) Time value of money.

b) Explain in brief “Understanding money management”. Describe market interest rate in money management. [8]

Q7) a) What is inflation & deflation? Explain measures of inflation and inflation rate in detail. [8]

b) Explain the following terms : [8]

i) Reserve cash flow

ii) Cost cash flow

iii) Consumer price index

iv) Internal rate of returns

OR

Q8) a) Explain present - worth analysis in detail. [8]

b) Explain the following : [8]

i) Discounted cash flow method

ii) Accounting rate of return

Q9) a) Explain in detail effect of inflation in project cash flow. [10]

b) Explain the following : [8]

i) Break even analysis

ii) Positive and negative cash flows

OR

Q10) a) Elaborate on cost classification while preparing financial statement. [10]

b) Explain the following : [8]

i) Tangible and intangible assets.

ii) Depreciation

