

**B. TECH. SEM – III (CIVIL ENGG.) 2014 COURSE) (CBCS) :
WINTER - 2017**

SUBJECT : ENGINEERING ECONOMICS & FINANCIAL ACCOUNTING

Day : **Wednesday**
Date : **17/01/2018**

W-2017-2024

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Use of non-programmable **CALCULATOR** is allowed.
- 4) Draw neat and labeled diagram **WHEREVER** necessary.
- 5) Assume suitable data if necessary.

- Q.1** a) Define value, cost and price with suitable example. [05]
b) What is elasticity of demand? [05]

OR

- a) What are the basic economics concepts? [05]
b) Explain how land and labour influence the production. [05]

- Q.2** a) What are the applications of time value of money? [04]
b) You are getting payments of ₹ 80,000/- at the beginning of every year and they are to last another five years. At 6%, what is the value of this annuity? [06]

OR

- a) If your company borrows ₹ 3,00,000 at 8% interest and agrees to pay the loan in 10 equal instalments semiannually to include principal plus interest. How much would those payments be? [06]
b) How much would you pay for an investment compounded semiannually for ₹ 1,00,000/- in three years with 5% rate of interest? [04]

- Q.3** a) Explain benefit cost ratio method with suitable example. [07]
b) What is NPV give its formula? [03]

OR

- a) Explain future annual worth method with suitable example. [06]
b) Discuss the factors affecting break even point. [04]

- Q.4** a) Explain with suitable example sinking fund method of depreciation. [07]
b) What is inflation? [03]

OR

- a) Define and explain value engineering. [05]
b) Give the civil engineering applications of value engineering. [05]

- Q.5** a) Prepare a balance sheet for small construction industry having annual turnover of ₹ 50,00,000/-. [07]
b) What is the role of insurance audits? [03]

OR

- a) What is profit and loss account? [05]
b) Explain financial risk aspects. [05]

- Q.6** a) What is fixed and working capital? [005]
b) What are the different forms of foreign capital? [05]

OR

- a) Discuss the new economic policies. [06]
b) Explain money and capital market in India. [04]

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