

SUBJECT: ENGINEERING ECONOMICS AND FINANCIAL ACCOUNTING

Day: Wednesday
Date: 28/11/2018

W-2018-2288

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) Assumer suitable data if necessary.
- 4) Use of non programmable calculator is allowed.

- Q.1 a) Give the importance of engineering economics in civil engineering. (05)
b) What is law of demand? (05)

OR

- Q.1 a) What is law of elasticity? (05)
b) Explain the factors influencing the production. (05)

- Q.2 A person is planning to retire in 30 years and during his retirement, he expects to withdraw Rs. 80000/- at the end of each year during his retirement. Based on family history, he expects to live 25 years in retirement during his retirement; he expects 4 % compounded annually since most of his money invested in government banks. How much should he save at the end of each year if he expects to earn 6 % compounded monthly on his investment until retirement? (10)

OR

- Q.2 Explain uniform series payment and future payment give its formula and state any 5 applications of each. (10)

- Q.3 a) Explain break even analysis with suitable example. (05)
b) What is net present value? Discuss the suitability with example. (05)

OR

- Q.3 Determine the NPV and benefit cost ratio for following data. Rate of interest is 8.5%. (10)

Year	Cash Flow
0	- 500000
1	150000
2	200000
3	200000
4	210000
5	140000

- Q.4 a) Discuss sinking fund method with suitable example. (05)
b) Discuss value engineering and give its applications. (05)

OR

- Q.4 a) Discuss straight line method of depreciation. (05)
b) How value analysis is carried out? (05)

- Q.5 a) What are the aspects of financial risk? (05)
b) Prepare a balance sheet for a construction company whose annual turnover is Rs. 500000/- (05)

OR

- Q.5 a) Discuss and prepare construction accountancy charts? (05)
b) Discuss objectives of finance management. (05)

- Q.6 a) What are the forms of foreign capital? (05)
b) Discuss the RBI governments of India guidelines for foreign funding in construction. (05)

OR

- Q.6 a) Discuss different types of capitals. (05)
b) How financial institutions help in development of nation. (05)