

**B.TECH SEM – VI (2007 COURSE) (CIVIL ENGG.) : SUMMER .**

**2018**

**SUBJECT : PROJECT MANAGEMENT**

Day: **Monday**  
Date: **11/06/2018**

**S-2018-2708**

Time: **02.30 PM TO 05.30 PM**  
Max Marks. 80

**N.B.**

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**. Out of remaining questions attempt **ANY TWO** questions from each section.
- 2) Figures to the right indicate **FULL** marks
- 3) Answers to both sections should be written in **SEPARATE** answer books.
- 4) Assume suitable data if necessary.

**SECTION - I**

- Q.1** a) What are the authorities of project manager? (05)  
b) What is resource levelling? (05)  
c) Explain EOQ, BOQ and AOQ. (04)
- Q.2** a) Draw matrix organization chart. (07)  
b) What is feasibility analysis? How it is carried out? (06)
- Q.3** a) What is CPM? State its advantages and disadvantages. (05)  
b) Explain total float, free float, independent float and interfering float. (08)
- Q.4** a) What is lead time? (04)  
b) Explain stock-out and BIN method. (06)  
c) What is material management? (03)

**SECTION - II**

- Q.5** a) What are the applications of L.P.P. (05)  
b) Describe finance management. (05)  
c) Give the concept of quality control. (04)
- Q.6** a) What are different method of financing? (07)  
b) Explain master budget. (06)
- Q.7** a) Solve the following L.P.P. by graphical method (13)  
Minimize,  
$$Z = 4x_1 + 10x_2$$
Subject to,  
$$x_1 + x_2 = 50$$
$$x_1 \leq 20$$
$$x_2 \geq 130$$
$$x_1, x_2 \geq 0$$
- Q.8** a) What is procedure of Six Sigma? (07)  
b) Describe ISO 9000. (06)

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