

**M. SC. (COMPUTER SCIENCE) SEM – II (CHOICE BASED  
CREDIT & GRADE SYSTEM) : WINTER - 2017**  
**SUBJECT: ELECTIVE: c) SOFTWARE PROJECT MANAGEMENT**

**Day:** Monday  
**Date:** 30/10/2017

**Time:** 03.00 PM TO 06.00 PM  
**Max. Marks:** 60

**W-2017-0827**

**N.B:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

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**Q.1** Describe Work Break Down structure with the help of suitable example. **(15)**

**OR**

Elaborate how effort estimation is done using COCOMOII. Also describe various modes of project development.

**Q.2** A) Attempt **ANY ONE** of the following: **(08)**

- i) Elaborate critical chain scheduling in detail.
- ii) Discuss various tools used for software Quality Assurance process.

**B)** Attempt **ANY ONE** of the following: **(07)**

- i) Differentiate between risk planning, risk avoidance, risk reduction, risk acceptance.
- ii) What is Brainstorming? Why is it necessary?

**Q.3** Answer **ANY THREE** of the following: **(15)**

- a) Explain project portfolio management in detail.
- b) Describe activities covered by software project management with the help of suitable example.
- c) Write the requirements specification for a student mark system.
- d) Explain organizational structure with the help of suitable diagram in brief.
- e) Discuss the globalization issues in software project management.

**Q.4** Write short notes on: (**ANY THREE**) **(15)**

- a) PERT and CPM
- b) SLIM model
- c) Project Attributes
- d) Function point Analysis
- e) Stakeholder management

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