

2017

( 5th Semester )

**BACHELOR OF COMPUTER APPLICATION**

Paper No. : BCA-504

**( Software Project Management )**

**( PART : A—OBJECTIVE )**

**( Marks : 25 )**

*The figures in the margin indicate full marks for the questions*

**SECTION—I**

**( Marks : 15 )**

1. Put a Tick (✓) mark against the correct answer in the brackets provided : 1×10=10

(a) The first step in project planning is to determine the

(i) budget ( )

(ii) team organizational model ( )

(iii) project constraints ( )

(iv) objectives and scope ( )

( 2 )

(b) Which of the following is not generally considered a player in the software process?

- (i) Customer ( )
- (ii) End users ( )
- (iii) Project managers ( )
- (iv) Salespeople ( )

(c) The process each manager follows during the life of a project is known as

- (i) project management ( )
- (ii) manager life cycle ( )
- (iii) project management life cycle ( )
- (iv) All of the above ( )

(d) Which of the following is not considered as a risk in project management?

- (i) Specification delays ( )
- (ii) Product competition ( )
- (iii) Testing ( )
- (iv) Staff turnover ( )

( 3 )

(e) Which of the following is not achieved by an automated estimation tool?

- (i) Predicting staffing levels ( )
- (ii) Predicting software cost ( )
- (iii) Predicting software schedules ( )
- (iv) Predicting clients demands ( )

(f) Which of the following is not a software configuration management activity?

- (i) Configuration item identification ( )
- (ii) Risk management ( )
- (iii) Release management ( )
- (iv) Branch management ( )

(g) Which of the following requirements is the foundation from which quality is measured?

- (i) Hardware ( )
- (ii) Software ( )
- (iii) Programmer ( )
- (iv) End user ( )



( 4 )

(h) Who identifies documents, and verifies that corrections have been made to the software?

(i) Project manager ( )

(ii) Project team ( )

(iii) SQA group ( )

(iv) Both (i) and (ii) ( )

(i) PM-CMM stands for

(i) people management capability maturity model ( )

(ii) process management capability maturity model ( )

(iii) product management capability maturity model ( )

(iv) project management capability maturity model ( )

(j) Which of the following is not a project manager's activity?

(i) Project control ( )

(ii) Project management ( )

(iii) Project planning ( )

(iv) Project design ( )

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( 5 )

2. State whether the following statements are *True (T)* or *False (F)* in the brackets provided : 1×5=5

(a) Management is the art of getting things done through people.

( T / F )

(b) The best person to hire as a project team leader is the most competent software engineering practitioner available.

( T / F )

(c) Project managers have to assess the risks that may affect a project.

( T / F )

(d) Software project estimation can never be an exact science, but a combination of good historical data and systematic techniques can improve estimation accuracy.

( T / F )

(e) The ISO 9000 series of standards is a program that can be used for external quality assurance purposes.

( T / F )



( 6 )

SECTION—II

( Marks : 10 )

3. Answer the following questions :

2×5=10

(a) List out the six M's of management.

( 7 )

(b) What are defect metrics?



( 8 )

(c) Define FTR.

(d) What do you understand by software quality?



( 9 )

(e) Define process quality.

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8G—160/273

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**( 5th Semester )**

**BACHELOR OF COMPUTER APPLICATION**

Paper No. : BCA-504

**( Software Project Management )**

*Full Marks : 75*

*Time : 3 hours*

**( PART : B—DESCRIPTIVE )**

**( Marks : 50 )**

*The figures in the margin indicate full marks  
for the questions*

1. (a) What do you mean by SPM? Describe in detail an overview of project planning.

4+6=10

*Or*

- (b) What is PERT? Explain giving suitable example.

3+7=10

2. (a) What do you mean by cost estimation? Explain COCOMO model in detail.

4+6=10

**8G/273a**

**( Turn Over )**



( 2 )

Or

(b) What is risk management? Explain ISO and CMM in detail. 4+6=10

3. (a) What is software effort estimation? What are the objectives of activity planning? 4+6=10

Or

(b) Explain software measurement and metrics. What are the different classifications of software metrics? 5+5=10

4. (a) What is resource allocation? Describe the seven categories of resources in detail. 3+7=10

Or

(b) What do you mean by monitoring and control? Explain how to monitor and control resources in software project management. 5+5=10

5. (a) Define motivation. List out the methods of improving motivation. What are the qualities a leader should have? 3+4+3=10

Or

(b) Explain in detail about selecting the right person for the job. Discuss about decision making. 4+6=10

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