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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

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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Subject Code : V/BCA/504

Booklet No. A

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To be filled in by the Candidate

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│ DEGREE 5th Semester             │
│ (Arts / Science / Commerce /    │
│ ...................... ) Exam., 2017 │
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│ Subject ........................ │
│ Paper .......................... │
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INSTRUCTIONS TO CANDIDATES

1. **The Booklet No. of this script should be quoted in the answer script meant for descriptive type questions and vice versa.**

2. **This paper should be ANSWERED FIRST and submitted within 1 (one) Hour of the commencement of the Examination.**

3. **While answering the questions of this booklet, any cutting, erasing, over-writing or furnishing more than one answer is prohibited. Any rough work, if required, should be done only on the main Answer Book. Instructions given in each question should be followed for answering that question only.**

To be filled in by the Candidate

DEGREE 5th Semester

(Arts / Science / Commerce / ....) Exam., **2017**

Roll No. ....

Regn. No. ....

Subject ....

Paper ....

Descriptive Type

Booklet No. B ....

2 0 1 7

(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   (   )

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(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   (   )

(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   (   )

(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   (   )

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)

SECTION—II

(*Marks* : 10)

3. Answer the following questions : 2×5=10

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

(b) What are defect metrics?

(c) Define FTR.

(d) What do you understand by software quality?

(e) Define process quality.

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