SARDAR PATEL UNIVERSITY
BSc CA & IT (SEMESTER-V) EXAMINATION 2022
US05CIIT25 : Software Project Management

Date : 12/11/2022 (Saturday)
Time : 10:00 a.m. to 01:00 p.m.   Marks: 70

Q. 1   Multiple Choice Questions   [10]
1   _____ is an investigation to decide whether a prospective project is worth starting.
        a) Feasibility Study   b) Planning   c) Project Execution   d) Cost Estimation
2   Cost Benefit Analysis involves cost of _____
        a) Development Cost   b) Operational Cost   c) Setup costs   d) All of these
3   Risk may occur :
        a) When the project exceeds its original specification
        b) Deviations from achieving it objectives and so on.
        c) Both (a) and (b)
        d) None of these
4   Which are the software process models?
        a) V model   b) Incremental model   c) RAD model   d) All of these
5   RAD Stands for
        a) Rapid Application Data   c) Rapid Application Development
        b) Relative Application Development   d) Rapid Application Design
6   COCOMO stands for _____
        a) Cost Cumulative Model   c) Constructive Cost Model
        b) Cost Constructive Model   d) Cumulative Cost Model
7   Full form of WBP is _____.
        a) Weight Breakdown System   c) Work Breakdown System
        b) Weak Breakdown Software   d) Work Below Software
8   Arranging tasks by their logical relationship is known as _____.
        a) Planning   b) Scheduling   c) Sequencing   d) Networking
9   For large projects review activities occurs at _____.
        a) Each Point   b) Review Point   c) Daily   d) Monthly
10   Reporting at Canteen discussion and social interaction is _____ report type.
        a) Oral Formal   b) Written Formal   c) Written informal   d) Oral Informal

Q. 2   **Short Question (Any TEN)**   [20]
1   Define Software Project Management
2   Write down advantages and disadvantages of Payback period
3   Explain following terms in brief:
            a) Return on Investment   b) NPV
4   Define software process model. List different type of software process models.
5   List out advantages of Agile model.
6   List out advantages of SCRUM.
7   Define Network planning model? Name three methods used for it.
8   Write a short note on Critical Path.
9   What is Risk Identification? Provide list of methods involved.
10   What is RAG? List down steps for the same.
11   What is Earned Value Analysis?
12   What is Contract? List the types of Contract.

Q. 3

[A] Write a detail note on activities covered by SPM. [05]

[B] Write a detail note on Project Portfolio Management. [05]

OR

[A] Explain Management Control in brief. [05]

[B] Explain the mnemonic SMART to describe objective of software project [05]

Q. 4

[A] Explain Agile model in detail. [06]

[B] Explain software effort estimation techniques in detail. [04]

OR

[A] What is extreme programming? Explain extreme programming practices in detail. [06]

[B] Describe different scale factors used in COCOMO II model in detail. [04]

Q. 5

[A] Explain Backward pass technique with diagram. [05]

[B] Explain PERT Chart. [05]

OR

[A] Explain Forward pass Technique with diagram. [05]

[B] Explain approaches of identifying activities in detail. [05]

Q. 6

[A] Discuss different types of contract in detail. [06]

[B] What is change control ? List down steps involve in it. [04]

OR

[A] How to create framework for Management and Control? [06]

[B] Explain GANTT Chart in detail. [04]

———————— ☓ ————————