Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2019

Bachelor in Computer Applications   **Full Marks: 60**
Course Title: System Analysis & Design   **Pass Marks: 24**
Code No: CACS 203   **Time: 3 hours**
Semester: III

Centre: **Symbol No:**

Candidates are required to answer the questions in their own words as far as possible.

Group A

Attempt all the questions.   **[10×1 = 10]**

2. Circle (O) the correct answer.

    i)   Which of the following Information systems are aimed at improving the routine business activities on which all organizations depend?

    a) Management Information systems   b) Decision support systems

    c) Transaction Processing Systems   d) Executive Information

    ii)   The project life cycle consists of

    a) Understanding the scope of the project   b) Objectives of the project

    c) Formulation and planning various activities   d) Word Processor

    iii)   Which is the most important feature of spiral model?

    a) Quality Management   b) Efficiency Management

    c) Risk Management   d) Performance Management

    iv)   …………… includes the existing system, the proposed system, system flow charts, modular design of the system, print layout charts and data file designs.

    a) Feasibility Report   b) Functional Specification Report

    c) Design Specification Report   d) Terms of Reference

    v)   For the best Software model suitable for the project, in which of the phase the developers decide a roadmap for project plan?

    a) Software   b) System Analysis

c) Coding   d) Testing

vi)   Using the …………. approach, a new system is tested in one part of the organization before being implement in others.

a) Direct   b) Parallel

c) phased   d) pilot

vii)   ……………. extends the software beyond its original functional requirements.

a) Adaptive maintenance   b) Perfective maintenance

c) Corrective maintenance   d) Preventive maintenance

viii)   Which normal form looks at removing partial dependencies?

a) First Normal Form   b) Second Normal Form

c) Third Normal Form   d) Fourth Normal Form

ix)   In constructing ER diagrams, double ovals are used to denote …………..

a) Multi-value table   b) Multi-value entity

c) Multi-value attributes   d) Multi-value key

x)   Testing beyond normal operational capacity is ……………..

a) Performance testing   b) Stress testing

c) Recovery testing   d) None of the above