NATIONAL SCHOOL OF BUSINESS MANAGEMENT

Software Engineering

In class Test

04-Sep-2024

Instructions to Candidates

1) Answer all questions.

2) Time allocated for the examination is two (02) hours . (Including downloading and uploading time)

3) Weightage of Examination: 10% out of final grade

4) Download the paper, provide answers to the selected questions in a word document.

5) Please upload the document with answers (Answer Script) to the submission link before the submission link expires

6) Answer script should be uploaded in PDF Format

7) Under any circumstances E-mail submissions would not be taken into consideration for marking. Incomplete attempt would be counted as a MISSED ATTEMPT.

8) The Naming convention of the answer script – Module Code_Inclass Test_Subject name_Index No

9) You must adhere to the online examination guidelines when submitting the answer script to N-Learn.

10) Your answers will be subjected to Turnitin similarity check, hence, direct copying and pasting from internet sources, friend's answers etc. will be penalized

1. Discuss the role of software in various industries such as transportation, healthcare, and business. How has software become a driving force in these areas?
2. What are some common issues faced in software development that lead to what is termed as a "crisis"? How can adopting a software engineering approach help mitigate these issues?
3. What are the different phases of the software engineering process? Describe each phase and its significance in developing a successful software product.
4. Identify and explain the operational, revision, and transition characteristics of good software. Why are these characteristics important for software quality?
5. List and briefly describe the phases of SDLC. Why is each phase crucial for the successful development of a software product?
6. What are the different types of feasibility studies conducted during the SDLC? Explain how each type of feasibility (technical, economic, legal, etc.) impacts the decision to proceed with a project.
7. Discuss the importance of the requirement gathering and analysis phase. How does this phase influence the rest of the software development process?
8. Compare and contrast different SDLC models.(3 models)
9. Explain the concept of a "temporary process" in the context of software engineering.
10. Why is it important to define the end goal at the beginning of a project?
11. Why are well-defined goals crucial for the success of a project? How can poorly defined goals lead to project failure?
12. What are the triple constraints of software project management? Explain how changes in one constraint can impact the others.
13. What are the key attributes of a project? Discuss how each attribute influences the management of a software project.

14. Discuss the unique challenges faced in managing software projects compared to other engineering projects.

15. List and describe the main activities involved in software project management.