Click to download more NOUN PQ from NounGeeks.com



NATIONAL OPEN UNIVERSITY OF NIGERIA, PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA FACULTY OF SCIENCES

2021_1 EXAMINATION ...

COURSE CODE: CIT 703

COURSE TITLE: INFORMATION TECHNOLOGY AND SOFTWARE

DEVELOPMENT

TIME: 2 HOURS 30 MINUTES

CREDIT: 3 UNITS

INSTRUCTION: ATTEMPT 5 QUESTIONS. QUESTION1 IS COMPULSORY AND ANY OTHER FOUR (4) QUESTIONS

Question One

- 1a. Explain Software Testing? 2 marks
- 1b. Outlines four (4) difference between black-box and white-box testing 2 marks.
- 1c. Mention and explain four (4) reasons why we need software development lifecycle 4 marks
- 1d. Lists and explain four (4) V&V approaches applicable to software products 4 marks.
- 1e. Identify three (3) characteristics of Extreme Programming (XP). 3 marks.
- 1f. Identify three (3) benefits of using flowchart 3 mark.
- (g) Outline four (4) benefits of software testing and quality assurance? 2 marks.
- (h). Describe software evolution? 2 marks.

Ouestion Two

- a. Describe the following concepts in software project planning (i) Work breakdown (ii) Task allocation (iii) Guesstimation **6 marks**
- b. Describe two key major approaches that helps during quessstimation 4 marks.
- c. Describe two (2) key elements of project planning 2 marks.

Question Three

- a. Explain Software Project 3 marks
- b. As a young graduate of a Computer Science employed by an IT company based in Lagos State to Manage Software Project. List your responsibilities as a project Manager who may never directly involved in producing the end product but control and manages the activities involved in production of software products. **5 marks**.
- c. State and explain two (2) types of software evolution. 4 marks.

Click to download more NOUN PQ from NounGeeks.com

Question Four

- a. State and explain the four (4) significant principles of Object Oriented Programming Languages 4 marks
- b. Describe four (4) difference between Inheritance and Polymorphism 4 marks.
- c. identify two (2) benefits of Aggregation in Object Oriented Programming Languages 2marks.
- d. Explain Software life cycle model 2 marks

Question Five

- a. Describe the term software maintenance 3 marks
- b. State and explain three (3) types of software maintenance 6 marks
- c. Who is a system analyst 3 marks?

Question Six

- a. Describe software process model 2 marks.
- b. Outlines (4) fundamental activities that are common to all software processes 4 marks
- c. Identify four (4) commonly used software process models 2 marks.
- d. State and explain four (4) myths about software testing 4 marks.