United International University (UIU)

Dept. of Computer Science & Engineering (CSE)

Class Test: 3   Trimester: Spring 2023   Marks: 14   Time: 30 minutes
Code: CSE 469   Course Title: Project Management   Sec: A

Answer all the questions.

The Scenario

We want to build a job recruitment site. In this portal, applicants can apply for job. Usually, employers post new job openings in this portal. Applicants can view those open positions and apply for a job by filling an online form. The online form takes some personal information of the applicant (consider typical required info.). The job providers / employers fill a form mentioning the characteristics of the open positions as well was the criteria of the applicants, and number of resources etc. Applicants need to apply through a form providing CV, designation, company name etc. Please answer the following questions based on this scenario.

1. Find the DET (Data Element Type) and RET (Record Element Type) for the calculation of ILF (Internal Logical Files)   **5**

2. Shortly brief on CMMI Level 3 – 5. Explain how CMMI can be termed as a software project improvisation process.   **5**

3. Justify the complexity category according to COCOMO for project mentioned in question 1. For 5000 lines of code of embedded type, find the all the COCOMO parameters.   4

Software project	a_b	b_b	c_b	d_b
Organic	2.4	1.05	2.5	0.38
Semi-detached	3.0	1.12	2.5	0.35
Embedded	3.6	1.20	2.5	0.32