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Total No. of Questions : 09

B.Voc. (Hardeware and Networking)(Sem.–4)
SOFTWARE ENGINEERING
Subject Code : BVHN-402-18
M.Code : 77481
Date of Examination : 07-07-22

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Write briefly :**

    a. Define Software Project Management.

    b. What is Requirements analysis?

    c. What is Procedural Design?

    d. What is level-0 DFD?

    e. Differentiate between Validation and Verification.

    f. Define top-down design model.

    g. What is Software Reengineering?

    h. Define Validation.

    i. Write down the advantages of Spiral model.

    j. Define Black Box testing.

SECTION-B

2. Explain DFDgiving suitable example.

3. Explain the Waterfall Model in detail giving its advantages and disadvantages.

4. Discuss various software testing strategies.

5. Define Requirements Gathering. Explainvarious techniques of Requirements Gathering.

6. Explain Forward Engineering in detail.

SECTION-C

7. Define Prototyping. Discuss its types, advantages, disadvantages and application areas where it is best suited.

8. Compare Black Box testing and White Box testing methods.

9. Suppose a project is estimated to be 400 KLOC. Effort Adjustment factor (EAF) is 1. Take value of constants: a =2.4.and b=1.05. Apply the COCOMO Model to calculate the effort required for project in Person-months.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.