| Reg | istra | ation no: | | | | | | | | |
|--------------------------|-------------------|--|-----|--------------------|-----|--|--|--|--|--|
| Tota | ıl Nı | umber of Pages: 02 | 210 | B.TECH PCIT4302 | 210 | | | | | |
| 210 | | 6 th Semester Regular / Back Examination 2015-16 Software Engineering BRANCH: IT,ITE 210 210 Time: 3 Hours Max Marks: 70 | 210 | | 210 | | | | | |
| A | nsv | Q.CODE: W206 ver Question No.1 which is compulsory and any five fron The figures in the right hand margin indicate marks. | | ie rest. | | | | | | |
| Q1º | b) | Answer the following questions: What do you mean by balancing a DFD? What are the characteristics of a good software design? Why is it required to have a module having high cohesion and low coupling? | | | | | | | | |
| 210 | d) e) f) g) h) i) | What do you mean by an organic project? Give an example. Explain <i>lifeline</i> in a sequence diagram? What is Macabe's <i>cyclomatic complexity</i> metric? | | | | | | | | |
| Q2 ₂₁₀ | a) b) | What is the importance of process models in software development? List out the parameters to choose appropriate process model for a software project. Describe Prototyping method of software development. Under what circumstances prototyping method is appropriate over other methods? | 210 | (5) | 210 | | | | | |
| Q3 210 | a) b) | How Object Oriented Analysis and Design (OOAD) differ from function oriented design? List out the different types of design classes in OOAD. Draw the Use Case diagram for a standard ATM transaction. | 210 | (5) (5) | 210 | | | | | |
| Q4 | | What are the types of software metrics? Explain briefly MOOD metrics for object-oriented design. | | (10) | | | | | | |

210

Q4

| 210 | a) b) | involved in required write down the | irements engin | | own the activ | (1tiles (5 | 210 |
|---------------|----------------------|---|-------------------------------|-------------------------------|------------------|------------|-----|
| Q6 210 | a) b) | What is COCC basic COCOMC The size of an 40,000 lines of software Engine nominal developroject. | o be (5 y of ffort, 210 | | | | |
| Q7 | a) b) | Explain activity of a flow chart? What is swimlar | | suitable example diagramൂ? | . How it differs | from (7 | |
| Q8 | a) b) c) d) | Write short note Association vs. Verification vs. V Function Point n Sequence diagn | (5 x | 2) | | | |
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