MCA - (CBCGS) - I
Software Engg & Project Mgmt

15/12/2016

Time: 3 hr   QP CODE : 750800   Total marks: 80

Note:
- Question one is compulsory
- Attempt any three out of five

Q1. A. Explain in detail the Project Management Framework   10
     B. Consider a project with following functional units: 10

  No. of user inputs =   50
  No. of User outputs=   40
  No. of User Inquiries= 35
  No. of User files=   06
  No. of. External Interfaces= 04
  Assume all Complexity adjustment factors and weighting factors are average. Compute the Function point for the project.

Q.2 A. Explain the Waterfall Model in detail   10
     B. Explain Feasibility study and its types.   10

Q.3 A. Elaborate different types of requirement elicitation techniques   10
     B. A project with task T1, T2, T3, T4, T5, T6, T7,T8 with duration in days   10
        3,4,6,2,6,8,5, 0 respectively.. Ti→Tk means that task Tk can start only when task Ti is finished. Dependency for this web application is given as:
        T1→T2→{T3,T4,T5}→T6→T7   find out and highlight critical path

Q.4 A. Explain in brief Project Scope Management   10
     B. Explain any one modern quality technique used in project management in detail.   10

Q.5 A. Explain the RFP and RFQ in brief   10
     B. Explain 3 sphere model for Project Management   10

Q.6 Short Note (any 4 out of 5):   20
     A. Reliability Metrics
     B. Resource Leveling
     C. Formal Technical Review
     D. Three R in software engineering
     E. Outsourcing

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