Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 18

MCA (2015 to 2018)   (Sem.–3)
SOFTWARE ENGINEERING & PROJECT MANAGEMENT
Subject Code : MCA-303
M.Code : 74075

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

1) What is software engineering? Discuss the evolution of software engineering?

2) Discuss the importance of Software quality? How software quality can be measured?

SECTION-B

3) Explain the following :

   a) Use of CASE Tools   b) Change control process

4) What is SRS? What are the characteristics of good SRS Document? Explain

SECTION-C

5) What are the different type of Metrices? Explain their role in software project planning?

6) Discuss the role of Abstraction refinement and Modularity in software. Also discuss the heuristics for effective Modularity?

SECTION-D

7) What is the use of PERT chart in project scheduling? Explain.

8) Compare and contrast the following :

   a) Verification and validation

   b) White box and black box testing

SECTION-E

9)   What are the merits and demerits of PERT Chart?

10)   What is the need of data design?

11)   What is the role of feasibility study in software engineering?

12)   Write a note on web engineering?

13)   What is functional cohesion?

14)   What is methodology?

15)   What is the significance of spiral model?

16)   List various features of software project planning?

17)   Write any two features of object oriented design ?

18)   What are the limitations of waterfall Model?

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