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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 Metrics? 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.