

No. of Printed Pages : 3

MCS-213

MASTER OF COMPUTER

APPLICATIONS

(MCA) (NEW)

Term-End Examination

June, 2024

MCS-213 : SOFTWARE ENGINEERING

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) *Question No. 1 is compulsory.*

(ii) *Attempt any **three** questions from the rest.*

1. (a) What are the different levels of capability maturity model ? Explain each of the levels. 10

P. T. O.

- (b) What is waterfall model ? Explain different phases of it. 10
- (c) What is SRS ? In which phase of SDLC is it prepared ? Give SRS outline. 10
- (d) What is COCOMO model ? Explain different levels of it. What are the three classes of Software projects for whom COCOMO model can be applied ? 10
2. (a) Define 'Software Quality'. Explain any *nine* attributes of Software Quality. 10
- (b) What is White Box testing ? How does it differ from Black Box testing ? 10
3. (a) Explain the organisation of a Web Application Team. 10
- (b) Explain any *two* approaches to the development of a mobile application. 10

[3]

4. (a) Explain any *two* methods of Data Analysis as part of Data Science. 10
- (b) What is UML ? Explain the classification of UML diagrams. 10
5. (a) Explain the process of Software design. 10
- (b) What is Re-engineering ? How does it differ from Reverse Engineering ? 10