

**M. Sc. 2<sup>nd</sup> Semester Examination – 2020 (CBCS)**

**Subject: Computer Science and Applications**

**Paper: MCSA – 204 (Software Engineering)**

**Full Marks: 40**

**Time: 2 Hours**

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Answer any 8 (eight) questions. All questions carry equal marks of 5.*

- 1) Why Software Engineering is neither “Science” nor “Art”? 5
- 2) In what ways the characteristics of software are different from that of other hardware products? 5
- 3) What do you mean by “Exploratory or Build – and – Fix” style of software development? Point out drawbacks of it. 5
- 4) What is “Software Myth”? Explain with suitable example. 5
- 5) Briefly discuss different variations (w.r.t. types / natures) of software systems. 5
- 6) Prepare a list of reasons for failure of software system. 5
- 7) Why job of a software developer is difficult? What are the required skill – set of a software developer? 5
- 8) Explain the ETVX approach of software processes with neat sketch. 5
- 9) Make a classification of different software processes. 5
- 10) Briefly describe different challenges of software engineering. 5