ACAD - 27(a)	SHRI RAMDEOBABA COLLEGE OF ENGINEERING AND MANAGEMENT, NAGPUR - 440013			Issue No.: 01 Rev. No. : 03
Ref. Clause(s): 9.1	Semester	: VI	Shift: II	Date of Rev.: 01-01-2018
Department: Computer Science & Engineering	Course Code	: CST357		
	Course Name	: Software Engineering		Page: 01/01
Programme: B. E.	Test: 1			Date of Exam: 02-03-2021
Max. Marks: 15	Session: 2020-2021			Time: 01 Hour [12:00 PM]

Instructions to Candidates:

1. All questions carry marks as indicated against them.
2. Illustrate your answers with neat sketches/diagrams wherever necessary.
3. Use of no-programmable calculator is permitted.
4. Upload the Answerbook having **all attempted questions** as single PDF on CST357 Classroom.

01	What is a software process? With neat sketch discuss the generic framework activities for software processes.	**(05)**	**CO1**	**L2**
02 (a)	Suggest the process model for development of the software where requirements are unclear and customer is apprehensive of the quality of product. Elucidate the strengths and weaknesses of such model.	**(03)**	**CO2**	**L3**
(b)	Articulate the importance of "people factor" in the success of agile development.	**(02)**	**CO2**	**L3**
03 (a)	A heavyweight, highly reliable, financial software includes - 35 input screens, 7 databases and generates 50 different types of reports. In addition 18 different inquiries can be made through 9 standalone interfaces. Of the 14 complexity factors 4 each are incidental and essential, whereas the rest others take the values – 3, 4, 2, 2, 0, 4. Compute the function point value for the software.	**(02)**	**CO4**	**L4**
(b)	A medium sized software product consists of 16000 lines of program code that includes 1000 lines of declarations and 150 function calls. 3200 lines were used to support remarks and annotations for code clarity. The significant cost drivers had EAFs as 1.23, 1.16, 1.56, 1.43 and 0.87. Remaining cost drivers were nominal. Compute the development effort and the development time. Estimate cost of the project when the unbounded labour rate is INR 7500/p-m.	**(03)**	**CO4**	**L4**
