SVKM's NMIMS
MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING

Programme: MBA Tech (Computer) Year: II Semester: IV

Batch: **2016-17/2017-18**

Academic Year: 2017-2018

Subject: Software Engineering

Date: 03 July 2018

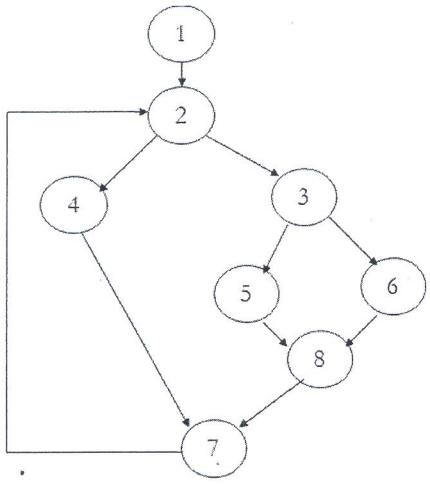
Marks: 70
Time: 2.00 pm to 5.00 pm
Durations: 3 (hrs)
No. of Pages: 02

Re-Examination

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover of the Answer Book, which is provided for their use.

1) Question No. 1 is compulsory.
2) Out of remaining questions, attempt any **FOUR** questions.
3) **In all FIVE questions to be attempted.**
4) All questions carry equal marks.
5) **Answer to each new question to be started on a fresh page.**
6) **Figures in brackets on the right hand side indicate full marks.**
7) **Assume suitable data if necessary.**

Q1	(a)	Explain Legacy software. Explain different categories of software with example.	(07)
	(b)	Describe golden rules for user interface design.	(07)
Q2	(a)	What is software architecture? Explain any two software architectural styles in detail.	(07)
	(b)	What is agility in context of software Engineering? Explain extreme programming(XP).	(07)
Q3	(a)	Compare the waterfall model with evolutionary process model.	(07)
	(b)	Explain the change control and version control activities in SCM.	(07)
Q4	(a)	Design level 0, level 1, level 2 DFD for Online shopping Portal.	(07)
	(b)	Explain the difference between black box testing and white box testing.	(07)
Q5	(a)	Explain COCOMO II Estimation Model in detail.	(07)
	(b)	Explain Reverse Engineering with a block diagram.	(07)
Q6	(a)	What do you understand by metrics? List and Explain Process and Project metrics.	(07)
	(b)	Use following flow graph to :	(07)



Flow Graph

Discuss Computation of cyclometic complexity and identification of independent paths. Design sample test case.

Q7 Differentiate between : (07)

(a) Coupling and Cohesion

(b) FP Based and LOC Based Estimation (07)
