Hall Ticket No: | | | | | | | | | | | Question Paper Code: 14MCA32T20

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year II Semester (R14) Regular End Semester Examinations – May 2017

(Regulations: R14)

SOFTWARE PROJECT MANAGEMENT

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A)	Explain Evaluation of software Economics in detail.	12M
	OR	
Q.1(B)	i. Differentiate principles of conventional and Modern software Engineering Management. ii. What are the symptoms of project which are destined to trouble?	6+6 M
Q.2(A)	Write a short note on i. Inception ii. Elaboration iii. Construction	12M
	OR	
Q.2(B)	What is artifact set? Explain about Pragmatic artifact.	12M
Q.3(A)	a. Explain about traditional work break down structure. b. Write the major milestones in software process.	6+6M
	OR	
Q.3(B)	Discuss about major issues in model based Software architecture.	12M
Q.4(A)	What are Quality Indicators? What are the primary reasons for round trip Engineering?	12M
	OR	
Q.4(B)	Who are stake holders? What are the software metrics considered in Pragmatic software Planning? Explain.	12M
Q.5(A)	Explain about the process discriminators in the perspective of i. Stakeholder cohesion ii. Process Maturity	12M
	OR	
Q.5(B)	Explain in detail about Modern Process Transitions with examples.	12M

***** END*****

Hall Ticket No: | | | | | | | | | | |

Question Paper Code: 14MCA32T21

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year II Semester (R14) Regular End Semester Examinations – May 2017

(Regulations: R14)

SOFTWARE TESTING

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A) i) What do you mean by Debugging? Discuss the difference between Testing and Debugging? 12M
ii) How the consequences of bugs can be measured? Discuss some scale of measurement of consequences of bugs.

OR

Q.1(B) i) What are bugs? Discuss the different factors on which the importance of bugs depends on. 12M
ii) What do you mean by data bugs? Discuss in detail.

Q.2(A) i) What is the importance of Births and Mergers in transaction flow graph? Explain. 12M
ii) Define and discuss the data flow anomaly state graph?

OR

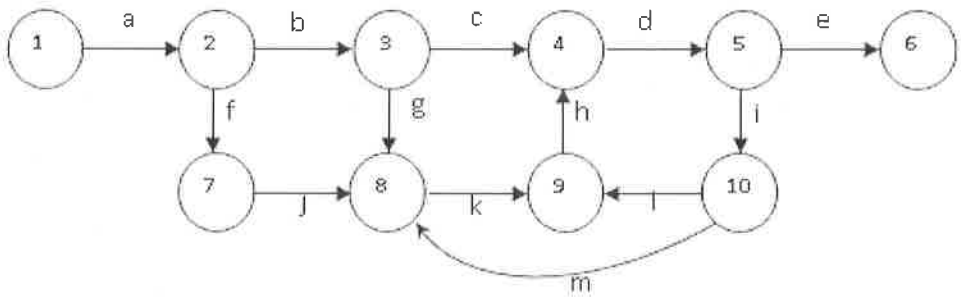
Q.2(B) i) Why static analysis of anomaly detection is not adequate? Discuss the various factors. 12M
ii) Discuss the various components of dataflow model.

Q.3(A) i) In domain testing point of view, define the terms Domain, Path and predicate. 12M
ii) What are the restrictions for domain testing? Discuss briefly.

OR

Q.3(B) Briefly describe the features of NICE and UGLY domains. 12M

Q.4(A) Explain step by step Path Reduction procedure for the following graph: 12M



OR

Q.4(B) i) What are the basic rules applicable for path products? Explain with example. 12M
ii) Discuss the various steps in reduction procedure algorithm.

Q.5(A) i) Explain the KV chart using single variable with example. 12M
ii) Explain Good and Bad state graph.

OR

Q.5(B) i) What is state graph? What are the properties of states and transitions? 12M
ii) Write short notes on Decision table.

*** END***