

S.D.E.
M.C.A. Sem - V : WINTER - 2018
SUBJECT: SOFTWARE PROJECT MANAGEMENT

Day: Wednesday
Date: 28/11/2018

W-2018-4816

Time: 10.00 AM TO 1.00 PM
Max. Marks: 80

N.B.:

- 1) Attempt any **FIVE** questions from Section –I and any **TWO** questions from Section –II.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Answers to both the sections should be written in **SEPARATE** answer books.
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SECTION-I

- Q.1** What is project management? Explain project management phases in detail. **(10)**
- Q.2** What is requirement validation? Why is it necessary? Explain with example. **(10)**
- Q.3** Explain the function point analysis methods of effort estimation in detail. **(10)**
- Q.4** What do you mean by resource scheduling? Explain any two tools available for it. **(10)**
- Q.5** Why risk management is necessary in software project management? Explain with example. **(10)**
- Q.6** Explain the process of software quality assurance in detail. **(10)**
- Q.7** Write short notes on any **TWO** of the following: **(10)**
- a) Testing concept
 - b) Project organization
 - c) Cost factors

P. T. O.

SECTION-II

Q.8 Draw an activity network diagram and find the critical path. Also find latest start time and latest finish time for each activity. **(15)**

Activity	Predecessors	Duration (in weeks)
J	-	6
M	J	4
V	M	6
Y	V	8
L	J	2
Q	L	8
W	Y,Q	1
X	W	1

Q.9 Consider the following project: **(15)**
Number of programmers -25
Number of programs -95
Number of inputs-19
Number of outputs-19
Number of internal files -35
Number of external files – 07
Number of enquiries - 10
Compute the functions point value for all the three complexities. (consider $\sum f_i=1$)

Q.10 Develop a risk management plan for Office automation system in detail. **(15)**

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