PES University, Bangalore
(Established under Karnataka Act No. 16 of 2013)   UC14MC651

MAY 2017: END SEMESTER ASSESSMENT (ESA) MCA VI SEMESTER

UC14MC651 - PROJECT MANAGEMENT AND REPORT WRITING

Time: 2 Hrs   Answer All Questions   Max Marks: 60

1.	a)	What is project management? What are the key ideas of software project management ?	2
	b)	Describe the different activities involved in "Identifying Project Infrastructure" during project planning?	5
	c)	Calculate Net Present Value (NPV) for the following cash-flow shown in table. Interest rate(r)is given 10%.	5

Year	Cash-flow (Rs)
0	-100,000
1	10,000
2	10,000
3	10,000
4	20,000
5	100,000

| 2. | a) | Explain the Product-based approach to identify the activities. | 6 |
| | b) | Consider the following project network.Determine the critical path and the project duration using activity-on-arrow network. | 6 |

| 3. | a) | What are the basic objectives of organizational behavior according to Taylor? | 4 |
| | b) | Describe democratic team and chief programmer team in detail. | 8 |

4.	a)	Define Schedule Variance and Cost Variance.	4
	b)	You have a project to be completed in 16 months and the cost of the project is Rs 250000. Eight months have passed and Rs 160000 has been spent, but on closer review, you find that only 40% of the work has been completed so far. Calculate SV, CV, Schedule Performance Index (SPI) and Cost Performance Index (CPI) for this project and deduce whether the project is behind or ahead of schedule.	8
5.	a)	Describe the structure of project report writing in software development.	6
	b)	Write a short note on Plagiarism and referencing.	3+3