AKGEC/IAP/FM/02

**AJAY KUMAR GARG ENGINEERING COLLEGE, GHAZIABAD**

**DEPARTMENT OF IT/CSE**

**SESSIONAL TEST -2**

Course: B.Tech Semester: VII

Session: 2017-18 Section: IT-I, J CS-1,2,3

Subject: Software Project Management Sub. Code: NOE-077

Max Marks: 50 Time: 2 Hours

**SECTION A**

A. Attempt **all** the parts. (5\*2=10)

1. How does the Milestone chart helps in scheduling?
2. What do you mean by Code Review? Why it is needed in project?
3. Differentiate between Schedule Performance Index (SPI) and Cost Performance Index (CPI).
4. Explain the steps for software estimating using Function Point Analysis (FPA).
5. Differentiate between PERT and CPM.

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**SECTION B**

B. Attempt **all** the parts. (5\*5=25)

1. What is mean by proof of Correctness? Also discuss the difference between Code Inspection and Code Walkthrough?
2. What are the benefits of using work breakdown structure (WBS)? What is a critical path? Why is it important to identify the critical path?
3. Differentiate the purpose of using network diagrams, Gantt chart and tracking Gantt chart?
4. What are the different techniques for project monitoring and control?
5. Discuss briefly about the Cost variance and Schedule variance with example.

**SECTION C**

C. Attempt **all** the parts. (2 \* 7.5=15)

1. What is project scheduling? List and discuss the various project scheduling activities. What are the benefits of agile project management?
2. What is mean by earned value analysis? What are the different types of earned value indicators? Describe any two earned value indicators with suitable examples?