

**Q7** – The earliest finish date is 07/10/18

**Q8** – Project 3 cannot be completed within two months because coding and testing alone takes more than two months (62 days)

**Q10** –

Start date and end date for project 1 is 02/12/18 and 05/16/18 respectively.

Start date and end date for project 2 is 03/05/18 and 06/26/18 respectively.

Start date and end date for project 3 is 03/19/18 and 07/09/18 respectively.

WBS -

WBS for project 1 contains 8 tasks and their corresponding subtasks.

WBS for project 2 contains 9 tasks and their corresponding subtasks.

WBS for project 3 contains 9 tasks and their corresponding subtasks.

Network Diagram –

For project 1, in network diagram, there are three successors for requirement phase and 2 successors for project plan (Risk mitigation and Contingency plan and Requirement).

For project 2, in network diagram, there are four successors for requirement phase.

For project 3, in network diagram, there are three successors for requirement phase and 2 successors for project plan (Documented Software Development Process Update and Build the development and testing lab environment).

Resource pool utilization –

Three projects are using total of 77 resources with each having overlapping phases. After using “level all” option, each resource has been optimally allocated to all three projects.