

B.SC. (I. T.) SEM. - IV (2011 COURSE) : SUMMER - 2018

SUBJECT- SOFTWARE PROJECT MANAGEMENT

Day: **Monday**
Date: **21/05/2018**

S-2018-0981

Time: **10.00 am to 01.00 pm**
Max. Marks: 80

N.B.:

- 1) Question No. 1 is **COMPULSORY**. Answer **ANY FOUR** of the remaining six questions
- 2) Figures to the right indicate **FULL** marks.
- 3) Be brief. Use **DIAGRAMS** wherever necessary.

Q.1 Write short notes on any **10** of the following. **(20)**

- a) Project
- b) Triple Constraints
- c) Knowledge Areas
- d) Work Breakdown Structure (WBS)
- e) Project Charter
- f) Time Management
- g) Activity Sequencing
- h) PERT
- i) Cost Estimation
- j) GANTT Chart
- k) Quality Management
- l) Benchmark
- m) Change Management
- n) Communication Management
- o) Closing Project

Q.2 a) Given below are the various activities and their dependencies on a project. **(09)**
Draw a neat Network Diagram. Show all the network paths on the network diagram and find Critical Path. Also calculate Early Start, Early Finish, Late Start, Late Finish, Total Float, Free Float- wherever applicable.

Activity Name	Duration	Dependency
A	05	-
B	10	-
C	12	-
D	13	B
E	07	F,I
F	08	B
G	16	-
H	02	-
I	04	G

- b)** Explain Any **TWO** terms **(06)**
- i) Critical Path
 - ii) Early Start and Early Finish
 - iii) Free Float

Q.3 a) Explain any one project management tool with an example, highlighting its usage. **(10)**

- b)** Describe any important skills that you may need to be a successful project manager. **(05)**

P.T.O.

- Q. 4** a) You are appointed as a Project Manager for a Project from Bank of America. (10)
Currently the bank is managing all their banking activities manually and with paper work. You are supposed to create online bank application for their customers. Create Work Breakdown Structure (WBS) for the application depicting all activities and sub-activities for the bank. Allocate Code of Accounts for each WBS component. Also show Work Packages, Planning Packages and Control Accounts in the same. Explain them in detail.
- b) Describe importance of Work Package, Planning Package and Control Accounts in WBS (05)
- Q. 5** a) What is Risk Management? Explain its significance in software project management. Elaborate using an example. (10)
- b) Can structure of an organization be changed during the project? Explain your views. (05)
- Q. 6** a) What is Quality Management? Explain its significance in software project management. Elaborate using an example. (10)
- b) Explain various processes in Quality Management Knowledge Area. (05)
- Q. 7** a) What is change Management? Explain its significance in software project management. Elaborate using an example. (10)
- b) Explain any processes related to Change Management. (05)

* * * * *