PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
MCA, Summer 2017 – 18 Examination

Semester: 4   Date: 26/05/2018
Subject Code: 05201281   Time: 10:30AM TO 01:00PM
Subject Name: Software Project Management   Total Marks: 60

Instructions:
1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1 Answer the followings.

A. Write short notes. **(05)**

1. Define Stakeholders.

2. What is principle of Project planning?

3. Write Parkinson's Law.

4. What is risk?

5. Which metrics help measure the characteristics of a product being developed?

B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) **(10)**

1. Stakeholders might be _____

a) Internal to project   b) external to project   c) a and b both   d) none of these

2. _____objectives are the project team is expected to achieve.

a) Process   b) Project   c) Product   d) Software

3. Which is not the Project Management Factor/s?

a) Time   b) Cost   c) quality   d) None of the above

4. _____ method is used for comparing projects on the basis of their cash flow forecasts.

a) cash flow   b) cost benefit   c) both above   d) none of the above

5. An _____ may cause the project to take longer than it would otherwise.

a) underestimate   b) over estimate   c) only a   d) none of the above

6. A very jagged slip line indicates a need for rescheduling.

a)True   b) False

7. Software Reliability is the probability of failure-free software operation for a specified period of

time in a specified environment.True or false.

a) True   b) False

8. Software quality is measured by functional as well as non functional attributes.

a) True   b) False

9. Which is/are type/s Quality standards?

a) Product Standards   b) Process Standards   c) Both a and b   d) None of above

10. _____terms as "the probability of failure-free operation of a computer program in a

specified environment for a specified time".

a) Software Safety   b) Software Reliability   c) Software Probability   d) None of Above

Q.2 Answer the followings. **(15)**

1.List out project characteristics?   (02)

2. Discuss Project Termination Process. (02)

3. Explain Brook's Law in short. (02)

4. Explain any one Software Project Category. (03)

5. Discuss Gantt Chart and Slip Chart. (03)

6. Explain quality plans. (03)

Q.3 Answer the following. (Any three) **(15)**

1. List out steps of Project Planning with figure.

2. Explain PBS, PFD and Activity Network in project planning.

3. Explain Critical Chain concept.

4. Explain Visualizing Progress with any one chart.

Q.4 Answer the following.

A. Discuss place of Software Quality in project planning. **(05)**

B. Write a short note on Top down approach parametric models. **(10)**

OR

B. What is Risk Evaluation? Explain in brief. **(10)**