[5865] - 303

S.Y. M.C.A. (Management)
IT 33 : SOFTWARE TESTING AND QUALITY ASSURANCE
(2020 Pattern) (Semester - III)

Time : 2½ Hours]   *[Max. Marks : 50*

Instructions to the candidates: .
  1) *Q.1 & Q.7 are compulsory.*
  2) *Solve any four questions from Q.2 to Q.6.*

Q1) a) Write detail test plan for online registration & examination application. Candidate will register through valid email ID & will book date & time slot from available dates & time slots. Candidate will select subject from list of subjects given. Application will send user ID & password to the candidates email ID. On the date & time, candidate will login with given user ID & Password Application will display multiple choice questions & will accept choice from candidate. At the end of given time, application will display the marks.   **[8]**

   b) Design suitable test cases for above application.   **[4]**

Q2) Define software quality assurance. Also explain SQA activities.   **[8]**

Q3) Explain various techniques of software reviews. Also compare them.   **[8]**

Q4) Explain various black box testing techniques with reference to entry of MCA sem III marks data entry.   **[8]**

Q5) Explain type of testing tools. Also explain their benefits & risks.   **[8]**

Q6) Explain non functional testing. Also compare localization & internationalization.   **[8]**

P.T.O.

Q7) Write short note on any two.   [6]

    a)   Software quality metrics.

    b)   'V' model of testing.

    c)   Experience based testing.

    d)   Defect life cycle.