

Subject : Software Engineering

Day : Thursday
Date : 02/06/2016



Time : 10.00 A.M. TO 1.00 P.M.
Max Marks : 80 Total Pages : 2

N.B.:

- 1) Attempt Any **FIVE** questions from Section – I and attempt Any **TWO** questions from Section – II.
 - 2) Answer to both the sections should be written in **SAME** answer book.
 - 3) Figures to the **RIGHT** indicate full marks.
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SECTION-I

- Q.1** Define software Engineering. Explain SDLC in detail. (10)
- Q.2** Discuss the modern methods of requirement Gathering with their merits and demerits. (10)
- Q.3** How the quality of the software depends on quality of system Analyst? Describe various skills required for system Analyst. (10)
- Q.4** What is project dictionary? Explain the importance of it with an example. (10)
- Q.5** What is CASE? Describe any two CASE tools in detail for project management support. (10)
- Q.6** Describe elements of good user interface design. (10)
- Q.7** Write short notes on: (10)
- a) Base Line
 - b) User Manual

P. T. O.

SECTION-II

- Q.8** A RTO has laid down following procedure for obtaining permanent Driving License various non commercial vehicles. A candidate having valid Learning License can submit his form and License test fees of his own or thru Motor Driving School. The data on form is entered and exact date and time of driving test will be allocated to the candidate . On the days of test candidate can bring his own vehicle or can use vehicle of Motor Driving School. The available inspector will conduct Test and ask question related to traffic sine to the candidate. On the basis of test and answer, the concerned Inspector puts his remarks on the form and makes signature along with his name and designation. If the remark is PASS, the candidate has to pay License Fess at a cash counter and cash receipt will be given to the candidate. The candidate can collect license after 3 days. The clerk at cash counter adds the test data, Fess data details to the form record. The form test data then is compiled by EDP officer and generate licenses for the day and hands it over to counter clerk. A License will be give to candidate after the cash receipt. (15)
- i) Draw context level and first level DFD.
ii) Identify the files required for the system and layout for them.
- Q.9** A research institution has decided to build a intranet based portal for research scholars containing facility of Internal e-mail, file upload and download, search engine for reference and profiles of each scholar. Prepare software requirement specification in detail. (15)
- Q.10 a)** “Spiral model combines iterative nature of prototyping with systematic approach of waterfall model”. Explain. (07)
- b)** A company, manufacturer of Washing Machines offers the following facilities to its customers for purchase of the product: (08)
If the customer is a dealer then commission of 5% on the total value of purchase is given. If customer purchases more than 5 machines then quantity discount of 20% is given. If customer pays cash for the purchase then cash discount of 3% is given to customers.
Draw Decision table.

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