Total No. of Questions—4]   [Total No. of Printed Pages—2

Seat
No.

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S.Y. B.Sc. (Sem. II) EXAMINATION, 2017
COMPUTER SCIENCE
Paper II
CS : 222 : Software Engineering
(2013 PATTERN)

Time : Two Hours   **Maximum Marks : 40**

N.B. :— (*i*) *All* questions are compulsory.

(*ii*) Neat diagrams must be drawn wherever necessary.

(*iii*) Figures to the right indicate full marks.

(*iv*) *All* questions carry equal marks.

1.   Attempt *all* of the following :   [10×1=10]

(*a*) What are the different tools of data flow analysis ?

(*b*) What do you mean by request approval ?

(*c*) List any *two* advantages of data flow analysis.

(*d*) What is spike solution ?

(*e*) List the benefits of MIS.

(*f*) List the activities of spiral model.

(*g*) What is elaboration ?

(*h*) What is unit testing ?

(*i*) Software is customized. Justify true/false.

(*j*) List the fact finding techniques.

P.T.O.

2. Attempt any *two* of the following : [2×5=10]

(*a*) Explain concurrent development model.

(*b*) Write short note on elements of the system.

(*c*) Explain prototype model in detail.

3. Attempt any *two* of the following : [2×5=10]

(*a*) Explain the key XP activities.

(*b*) Explain coding and system implementation of the system development life-cycle.

(*c*) Explain umbrella activities of Software Engineering.

4. Attempt the following : [2×5=10]

(*a*) Explain elaboration and specification of Requirements Engineering.

Or

(*b*) What is an agile process ? Explain any *five* principles to achieve agility.

(*c*) Draw context level, first level DFD for bus reservation system.

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