Total No. of Questions : 6]

SEAT No. :

P5698

[Total No. of Pages : 2

TE/INSEM./OCT.-144

T.E. (I.T.)

SOFTWARE ENGINEERING & PROJECT MANAGEMENT

(2015Pattern) (Semester - I) (314443)

Time : 1Hour] *[Max. Marks : 30*

Instructions to the candidates:

1) ***Solve any 1 out of Q1. or Q2 and***
2) ***Solve any 1 out of Q3 or Q4 and***
3) ***Solve any 1 out of Q5 or Q6***
4) ***Draw neat diagrams and assume suitable data wherever necessary.***
5) ***Figures to the right indicate full marks.***

Q1) a) Discuss any five software myths and realities. **[5]**

b) Explain CMM model and its levels with the examples. **[5]**

OR

Q2) a) Explain in brief software verification and validation. **[5]**

b) The production company gives order for the automation of inventory control. The software development company follows the following step

- Functionality like Stock maintenance for finish product, Order processing
- Deliver to the client
- Feedback come from client to do the stock maintenance for raw material
- Deliver to the client

Which process model is suitable for above example? Justify your answer.

[5]

Q3) a) Draw and explain level 0 and level 1 data flow diagram with an example.**[5]**

b) Explain steps and activities required for negotiating software requirements. **[5]**

OR

P.T.O.

Q4) a) Explain software requirement specification with an example. **[5]**

b) Draw and explain class diagram for a college technical event. **[5]**

Q5) a) Explain Software Proposal and Contract. **[5]**

b) Write a note on effort estimation and scheduling. **[5]**

OR

Q6) a) An assemble to made from two parts 'X' and 'y' Both Parts must be turn a lathe. 'Y' must be polished and 'X' need not be polished. The sequence of activities together with their predecessors given below.

Activity	Description	Predecessor
A	Open work order	-
B	Get material 'X'	A
C	Get material 'Y'	A
D	'X' on lathe	B
E	'Y' on lathe	B, C
F	Polish 'Y'	E
G	Assemble 'X' and 'Y'	D,F
H	Pack	G

Draw the network diagram for above data. **[5]**

b) Explain Project scope management with an example. **[5]**

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