203/TUBEC (M)/Roftware Eng. (05)

[Time: - 2½ Hours]

1. All questions are compulsory.

N.B:

Please check whether you have got the right question paper.

Q.P. Code:03204

[Marks: 75]

Att(A) B) C) D) E) F)	3. Illustration in depth answers and diag 4. Mixing of sub-questions is not allowed tempt the following (Any Three) What are the internal & external responsibilities of project management process. Explain the steps of change management process. What is software metric? Explain their role. Write note on WBS. State the basic steps in COCOMO suppose 'Inventory designed. The requirements indicate the system is sm modules is as follows: Date Entry & update 1.2 KLOC, Data Access 1.0 KLOC, Reports 0.8 KLOC	d. ect manager? module' for medical shop has t	15 to be t sub
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	Data Access 1.0 KLOC Reports 0.8 KLOC	N. B. C.	
	Complexity Low 0.88, storage very high 1.21 Experience	high 0.91.	
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-	Which functionalities are needed from configuration ma	nagement process?	
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F)	List the phases of Unified process. What are the objective	es of these phases?	
Atte	empt the following (Any Three)	₩	15
A)	Discuss the 'Six sigma' with respect to quality assurance.		13
B)	Define terms: Cash, failure, Test plan, Error seeding, Test	driver.	
C)	What are the chalanges /issues associated with testing?		
D)	Discuss the phases of static testing.		
E)	Discuss the need of test case specifications.		
F)	Explain the life cycle of defect.		
Atte	mpt the following (Apv Three)		W 45
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	A) B) C) D) E) F) Atte A) B) C) D) E) F)	Data Access 1.0 KLOC, Reports 0.8 KLOC Other cost drivers are as follows: Complexity Low 0.88, storage very high 1.21 Experience Calculate effort adjustment factor & initial effort estima  Attempt the following (Any Three) A) Which functionalities are needed from configuration ma B) What is SCI? Explain its life cycle. C) Explain in brief risk assessment activity. D) Explain the levels of CMM process. E) What is CASE? What is the role of CASE tools? F) List the phases of Unified process. What are the objectiv  Attempt the following (Any Three) A) Discuss the 'Six sigma' with respect to quality assurance. B) Define terms: Cash, failure, Test plan, Error seeding, Test C) What are the chalanges /issues associated with testing? D) Discuss the phases of static testing. E) Discuss the need of test case specifications. F) Explain the life cycle of defect.  Attempt the following (Any Three) A) What are the major objectives of black box testing?	Data Access 1.0 KLOC, Reports 0.8 KLOC Other cost drivers are as follows: Complexity Low 0.88, storage very high 1.21 Experience high 0.91. Calculate effort adjustment factor & initial effort estimate.  Attempt the following (Any Three) A) Which functionalities are needed from configuration management process? B) What is SCI? Explain its life cycle. C) Explain in brief risk assessment activity. D) Explain the levels of CMM process. E) What is CASE? What is the role of CASE tools? F) List the phases of Unified process. What are the objectives of these phases?  Attempt the following (Any Three) A) Discuss the 'Six sigma' with respect to quality assurance. B) Define terms: Cash, failure, Test plan, Error seeding, Test driver. C) What are the chalanges /issues associated with testing? D) Discuss the phases of static testing. E) Discuss the need of test case specifications. F) Explain the life cycle of defect.  Attempt the following (Any Three) A) What are the major objectives of black box testing?

- How graph matrix is usefull in basis path testing? C)
- Describe in brief testing strategies. D)
- Explain any five quality dimensions of web applications. E)
- Consider following function code draw a flow graph, also find basic path calculate cyclomatic

```
Public void update()
\{If (upd = 'yes')\}
       update record()
       Exit()
else
      if (upd = 'Reset')
      clear()
      else
     exit()
```

5. Attempt the following (Any Three)

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- Write a note of on Functions Point Metric.
- List any five risk items from top Ten risk items, also suggest management techniques to handle B)
- Explain following testing types: Unit Testing, Performance Testing. C)
- Explain the Process of Website Testing
- Write a note on Agile Development. F)
- Discuss the advantages, disadvantages of white box testing. F)