QUESTION 2015

GROUP - A (Multiple Choice Type Questions)

i) Which of the folic	ect alternatives for the following is not a SQA plan for a by the store by the series of the following is not a SQA plan for a by the series of the following is not a SQA plan for a by the series of	ng: project? Amount of technical work Documents to be produc	ed by the SQA group
ii) Who identifies, d a) Project man	ocuments and verifies that co ager b) Project team	rrections have been mad c) SQA group	de to the software? d) All of the above
iii) The primary objet do not become defe ✓a) errors	ective of formal technical revie ects after release of the software b) equivalent faults	ews is to find during are. c) failure cause	d) none of the mentioned
commercial softwar	ser documentation b) L		oftware project developing
v) Which form of requirements are kn ✓a) Waterfall n	software development more own at the start of a project a nodel b) Incremental more	del is most suited to and remain stable throug del c) Evolutionary mo	hout the project?
✓a) after an est	eople required for a software timate development effort is to the project budget assment of the technical company to the	made	Till on the self
vii) Alpha testing is d	di .		A AP NO
a) customer	√b) developer	c) tester	d) all of these
viii) COCOMO is a			
✓a) heuristic estimation techniquec) analytical estimation technique		b) empirical estimation technique d) none of these	
ix) The testing proces	ss only reveals	The part of the second	2. n. n.
√a) failures	b) errors in code		d) none of these
x) Which is the costlic	est phase of software develo	nment2	
a) Analysis	✓b) Maintenance	c) Coding	
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2 What are the roles	(Short Answer	Type Questions)	a James as "
2. What are the roles See Topic: PROJECT	MANAGEMENT TOOLS &	PLANNING, Short Ans	wer Type Question No. 4.
3. What do you mean	by feasibility study?		
See Topic: TESTING,	Short Answer Type Question	No. 4.	

What do you know by stub and drivers in integration testing?

What do you know by stub and drivers in integration testing? What do you TESTING, Short Answer Type Question No. 12.

what are the four P's of software project management? What are under the project MANAGEMENT TOOLS & PLANNING, Short Answer Type Question No. 9.

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(Long Answer Type Questions)

State the different phases of SDLC.

Distinguish between Quality Control and Quality Assurance.

What are McCall's Quality Factor?

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See Topic: S/W PROJECT LIFE CYCLE, Short Answer Type Question No. 1.

See Topic: QUALITY & RISK MANAGEMENT TOOLS, Long Answer Type Question No. 1(c). OSER TOPIC: QUALITY & RISK MANAGEMENT TOOLS, Short Answer Type Question No. 16

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What are the different categories of software development projects according to the ©000MO estimation model?

b) A project size of 350 KLOC is to be developed. Software development team has a moderate experience in developing similar type of projects and the project schedule is not very tight. Compute the effort, nominal development time, productivity and average staff size of the project. dWhat is the difference between intermediate and advanced COCOMO?.

See Topic: TESTING, Long Answer Type Question No. 3(a). h See Topic: TESTING, Long Answer Type Question No. 10(a).

c) See Topic: TESTING, Long Answer Type Question No. 10(b).

9. Suppose you have the following set of activities and their predecessor, optimistic, pessimistic

and most likely time are also given below.

Activity	Predecessor	Optimistic time	Pessimistic time	Most likely time
Α	The same of the sa	2	4	9
B	-	4	4	7 1 1 2 4
C	A	3	5	8.
D	A	4	5	6
E	B, C	4	5	7
F	D	4	6	8,
G	F	3	4	8

(1) Find the expected time in each activity and draw the PERT chart.

(ii) What are the earliest and latest start time and earliest completion time for the project?

(iii) Mark the critical path.

See Topic: PROJECT MANAGEMENT TOOLS & PLANNING, Long Answer Type Question No. 8.

10. For how many levels a software product is normally tested? Explain Equivalence Class Partitioning with proper example, Explain Control Flow Diagram with an example. What do you know by Cyclomatic Complexity?

part: See Topic: QUALITY & RISK MANAGEMENT TOOLS, Long Answer Type Question No.

8(c).

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part: See Topic: S/W PROJECT LIFE CYCLE, Long Answer Type Question No. 13(a).

part: See Topic: S/W PROJECT LIFE CYCLE, Short Answer Type Question No. 13(b).

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4th part: See Topic: TESTING, Long Answer Type Question No. 1.

- 11. Write short notes on any three of the following:
 - a) Software Quality
 - b) Function point Method
 - c) Capability Maturity Model
 - d) CPM
 - e) Gantt Chart
- a) See Topic: QUALITY & RISK MANAGEMENT TOOLS, Long Answer Type Question No. 11(i).
- b) See Topic: PROJECT MANAGEMENT TOOLS & PLANNING, Long Answer Type Question No. 10(f).
- c) See Topic: QUALITY & RISK MANAGEMENT TOOLS, Long Answer Type Question No. 11(b).
- d) See Topic: PROJECT MANAGEMENT TOOLS & PLANNING, Long Answer Type Question No. 10(a).
- e) See Topic: PROJECT MANAGEMENT TOOLS & PLANNING, Long Answer Type Question No. 10(b).