## 2014

Candidates are required to give their answers in their own words as far as practicable.

ime: 3 hours		Full Marks: 80
All questions a nswer any five questions in	re of e	equal values. th <b>Q. No. 1</b> is compulsory.
Indicate the correct answ	ver fro	m the following:-
(a)focuses software:-	on fur	nctional requirement of the
<ol> <li>Red-Box testing</li> </ol>	, ii.	Back-boxd testing
iii. Glass-box testing	iv.	None
(b) Which testing is call	behav	ioral testing:-
<ol> <li>Back-box testing</li> </ol>	ii.	Red-Box testing
iii. Glass-box testing	iv.	None
(c)refers to that software corectly	the so	et of activities that ensure ments a specific function.
∠i. Conversion .		Validation
iii. Correction	iv.	Verification
(d) integra and testing with atom	tion te	esting begins construction dules.
j. Top down	ii.	Bottom Up
iii. Up-Down	iv.	Тор Up
(e) A project involvesbrought toge	a tem	porary assemblage of solve a specific problem.
i. Data	ii.	Material
iii. Files	iv.	Resources
	1	(Turn over)

- (1) Identify, from among the following the correct statement
  - One of the main challenges Software Engineering facing today is the requirement of most software systems to work with a multitude of homogenous systems.
  - ii. 'Legacy systems' are custom developed software for the legal domain
  - Software does not wear-out in the traditional sense of the term, but software does tend to deteriorate as it evolves
  - iv Since software is essentially 'intangible' it is relatively easy to manage software projects.
- (g) Software Engineering:
  - Is a set of rules about develping software products
  - ii. Has been around as a discipline since the early 50's
  - Started as a response to the so-called 'Software Crisis' of the late 90's
  - iv. Is an engineering discipline concerned with all the aspects of software production
- (h) With regard to Evolutionary development, identify the correct statement.
  - Evolutionary development usually comes in two flavors; exploratory development, and throw-away prototyping.
  - ii. Very large project are natural candidates for an evolutionary development based approach
  - iii. Exploratory development is used in situations where most of the requirements are well understood in advan
  - iv. One of the strong points of evolutionary

development is that it facilitates easy project management, through the high volume of documentation it generates.

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- Explain the life cycle of software Engineering. Also, explain the advantages of software Engineering.
- What are the measurements of Quality? Explain Quality Requirment in different application Area.
- Explain the applications of software engineering principles to compiler construction and software engineering.
- Explain goal and requirement of verification.
- 6. Explain project planning and project control.
- 7. Discuss the historical evolution of tools and envrionments.
- 8. What do you mean by software standards? Explain.
- 9. Explain the role of software engineering in system design.

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