

Total No. of Questions: 6

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Enrollment No.....



Faculty of Engineering
End Sem (Odd) Examination Dec-2022
OE00079
IT Governance, Risks & Information
Security Management

Programme: B.Tech.

Branch/Specialisation: CTIS

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

- Q.1 i. IT Governance- 1
- (a) It provides the structure that links IT processes, IT resources and information to enterprise strategies and objectives
- (b) IT governance integrates and institutionalizes optimal ways of planning and organizing, acquiring and implementing IT performance
- (c) Both (a) & (b)
- (d) None of these
- ii. IT governance leads to- 1
- (a) IT and business alignment about the new products to introduce
- (b) IT and business alignment about how business processes should work
- (c) IT and business alignment about which new markets to enter
- (d) All of these
- iii. The key components of an information systems security policy 1
- include-
- (a) Management support and commitment
- (b) Security Awareness
- (c) Access Authorization
- (d) All of these

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| iv. | IT Steering Committee- | 1 |
| | (a) Decides the overall level of IT spending and how costs will be allocated. | |
| | (b) Assists the executive in the delivery of the IT strategy | |
| | (c) Sponsoring executive, Business executive | |
| | (d) All of these | |
| v. | On which of the following would an information security strategy place the most emphasis- | 1 |
| | (a) Technology plans and deliverables | |
| | (b) Security metrics | |
| | (c) Business goals and objectives | |
| | (d) Industry best practices | |
| vi. | Strategic planning is also called as: | 1 |
| | (a) Short term planning (b) Long term planning | |
| | (c) Business policy (d) Tactical planning | |
| vii. | A pure RISK is defined by: | 1 |
| | (a) An event that offer no opportunity for financial gain | |
| | (b) The chance a loss will occur | |
| | (c) A diversifiable risk | |
| | (d) A contingency that increases the chance of a loss | |
| viii. | RISK should be monitored. The purpose of RISK monitoring ensures that: | 1 |
| | (a) There are internal controls and other risk management processes in place for managing the risks. | |
| | (b) Risk management systems appear to be effective. | |
| | (c) There are processes and procedures for identifying risk, and that these are effective. | |
| | (d) All of these | |
| ix. | Threats to businesses include: | 1 |
| | (a) Financial loss, Legal repercussions | |
| | (b) Loss or credibility or competitive edge | |
| | (c) Disclosure of confidential, sensitive or embarrassing information, Industrial espionage | |
| | (d) All of these | |

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| x. | COBIT 5 framework comes under which of the following categories? | 1 |
| | (a) Architecture (b) IT service management | |
| | (c) Governance (d) HR management | |
| Q.2 | i. Write the main focus area of IT governance. | 3 |
| | ii. Explain “Governance arrangement matrix” in detail. | 7 |
| OR | iii. What is good governance? Explain the benefits of good governance in detail. | 7 |
| Q.3 | i. What are the roles and responsibilities of IT governance? | 4 |
| | ii. Explain Val IT framework in detail. | 6 |
| OR | iii. What is an IT balanced scorecard? Explain its four key perspective indicators (PKIs). | 6 |
| Q.4 | i. Why need strategic planning? | 2 |
| | ii. What are the categories to measure IT security? | 3 |
| | iii. Explain IT security metrics program & implementation process? | 5 |
| OR | iv. What is the strategic planning process? Which steps are used for strategic planning? | 5 |
| Q.5 | i. Define RISK-IT framework of ISACA. | 2 |
| | ii. Write some important roles & responsibilities of the RISK management committee. | 3 |
| | iii. Explain the three domains of the RISK-IT framework. | 5 |
| OR | iv. Explain the RISK mitigation essential steps. | 5 |
| Q.6 | Attempt any two: | |
| | i. Explain COBIT framework in detail. | 5 |
| | ii. Compare between In-sourcing Vs Out-sourcing. | 5 |
| | iii. Write short note on: | 5 |
| | (a) Management information security forum | |
| | (b) Security Program Effectiveness | |

Marking Scheme
OE00079-IT Governance, Risk and Information Security Management

Q.1	i)	IT Governance- (c) Both a & b	1
	ii)	IT governance leads to? (d) All of the above.	1
	iii)	The key components of an information systems security policy include: (d) All of the above	1
	iv)	IT Steering Committee – (d) All of the above	1
	v)	On which of the following would an information security strategy place the most emphasis? (c) Business goals and objectives	1
	vi)	Strategic planning is also called as: (b) Long Term Planning	1
	vii)	A pure RISK is defined by: (a) an event that offer no opportunity for financial gain	1
	viii)	RISK should be monitored. The purpose of RISK monitoring ensures that: (d) All of the above	1
	ix)	Threats to businesses include: (d) All of the above	1
	x)	COBIT 5 framework comes under which of the following categories? (c) Governance	1
Q.2	i.	Write at least three points (Each point 1 marks)	3
	ii.	Definition-2 Diagram-3 Explain-2	7
OR	iii.	Definition-2 Benefits at least five points-5	7
Q.3	i.	Roles-2 Responsibilities-2	4
	ii.	Definition-2 Diagram-1	6

		Explanation-3	
OR	iii.	Definition-2 Keys-4	6
Q.4	i.	Definition	2
	ii.	At Least three categories	3
	iii.	Definition-1 Diagram–2 Explanation-2	5
OR	iv.	Definition-1 Steps-4	5
Q.5	i.	Definition	2
	ii.	Rolls-1.5 Responsibility-1.5	3
	iii.	Explain-5	5
OR	iv.	Each steps-1 mark	5
Q.6		Attempt any two:	
	i.	Definition-2 Explanation-3	5
	ii.	Each point-1 mark (At least five points)	5
	iii.	Write short note on: - (a) Management information security-2.5 marks (b) Security Program Effectiveness-2.5 marks	5
