

University of Mumbai
Examination June 2021

Examinations Commencing from 1st June 2021

Program: **BE information technology engineering**

Curriculum Scheme: Rev2016

Examination: Third Year Semester VI

Course Code: ITDLO6025 and Course Name: Green IT

Time: 2 hour

Max. Marks: 80

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Strategic planning starts with a prior mission and vision and leads to the formulation of _____.
Option A:	Strategy and direction
Option B:	Requirement and analysis
Option C:	Objectives and Goals
Option D:	Planning and Thinking
Q2.	Which one is the fourth level of Enterprise architecture planning levels?
Option A:	Getting started
Option B:	Where we are today
Option C:	Future vision
Option D:	How to get There
Q3.	Risk assessment involves how many steps?
Option A:	4
Option B:	5
Option C:	7
Option D:	6
Q4	RoHS stands for _____.
Option A:	Restrictions of Hazardous Substances
Option B:	Restrict of Hazard Substance
Option C:	Reaching of Hazardous Social
Option D:	Restrictions of Hardware Substances
Q5.	_____ information systems are focused at the operational level of an organization and deal with real-time and very short-term information requirements.
Option A:	transaction processing system
Option B:	decision support system
Option C:	management information system
Option D:	executive support system
Q6.	_____ on the needs and requirements of upper management and aid their focus on strategic management of the organization.

Option A:	transaction processing system
Option B:	decision support system
Option C:	management information system
Option D:	executive support system
Q7.	Which of the following identify which is not a Environmental Information Technology Standard?
Option A:	Electronic Product Environmental Assessment Tool
Option B:	Energy Star
Option C:	IEEE Standard 802.3az-2010
Option D:	ISO 9001:2018
Q8.	"Not printing on paper whenever possible" is an example of _____ Green IT strategy, with respect to return on investment.
Option A:	Operational (immediate)
Option B:	Tactical (within one year)
Option C:	Strategic-initial (within three years)
Option D:	Strategic (within five years)
Q9.	"Green IT strategies are formulated and approved by the board for implementing green policies, using software along with metrics " is an example of _____ Green IT strategy, with respect to return on investment.
Option A:	Operational (immediate)
Option B:	Tactical (within one year)
Option C:	Strategic-initial (within three years)
Option D:	Strategic (within five years)
Q10.	_____ of the following which is not the business driver for green IT strategy.
Option A:	Cost Reduction
Option B:	Sociocultural and Political Pressure
Option C:	Technology Obsolescence
Option D:	Demands from Legal and Regulatory Requirements
Q11.	Controlling disk access by optimizing _____ is another way of skewing a disk access pattern.
Option A:	Storage Layouts
Option B:	Network Layouts
Option C:	data layouts
Option D:	Disk Layout
Q12.	Optimizing the efficiency of IT operational strategies has therefore become a priority to halt further damage to the environment and the reputation of the _____.
Option A:	Disk
Option B:	Network
Option C:	Internet

Option D:	Hardware
Q13.	_____ energy consumption in this environment is therefore a core objective of NGN equipment.
Option A:	decreasing
Option B:	increasing
Option C:	Minimizing
Option D:	Maximizing
Q14.	Which of the following perspectives takes the strongest stance in support of sustainability?
Option A:	Communalist
Option B:	Accommodating
Option C:	Deep ecology
Option D:	Free market
Q15.	_____ regulations aims to reduce the amount of E-waste going to landfills.
Option A:	WEEE
Option B:	ROHS
Option C:	EPEAT
Option D:	IEEE
Q16	Which generation of Green IT is responsible for empowerment the range of green initiative?
Option A:	Green IT 1.0
Option B:	Green IT 2.0
Option C:	Green IT 2.1
Option D:	Green IT 3.0
Q17	A promising direction towards sustainable development is to design systems that are
Option A:	Flexible and irreversible
Option B:	Flexible and reversible
Option C:	Inflexible and reversible
Option D:	Inflexible and irreversible
Q18.	Energy management techniques for hard disks?
Option A:	Dynamic RPM
Option B:	Caching
Option C:	Magnetic Tape
Option D:	State transitioning
Q19	While developing a green IT strategy it is necessary that _____ of the influence of the strategy implemented.
Option A:	viewpoint
Option B:	Reference frame

Option C:	timeframe
Option D:	mindset
Q20	Organization procurement process must involve _____ , development and supplier management.
Option A:	cost oriented selection of raw material / product
Option B:	environmentally oriented selection of raw material / products
Option C:	service oriented selection of raw material / product
Option D:	inventory oriented selection of raw material / product

Q2	Solve any Two Questions out of Three	10 marks each
A	<i>Describe life cycle of device with neat and detailed diagram.</i>	
B	<i>Explain Key facilities and IT infrastructure within data centers.</i>	
C	<i>Explain processor power states.</i>	

Q3.	<i>Please delete the instruction shown in front of every sub question</i>	
A	Solve any Two	5 marks each
i.	<i>Explain differences between WEEE, ROHS and REACH</i>	
ii.	<i>What is green washing?</i>	
iii.	<i>Explain green enterprise from value chain perspective.</i>	
B	Solve any One	10 marks each
i.	<i>Explain SITS value curve.</i>	
ii.	<i>Give few examples to illustrate how context awareness leads to 'smarter' device ?</i>	