	Page No: Date: / /
	SOFTWARE ENGINEERING
	CLASS WORK
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	2K18/Mc/008
	MULTI CHOICE PUESTIONS.
61	to tata Coupling (b) Content Coupling
(2)	(g) External Coupling Content-Coupling
5.3	co functional Cohesion
5.4	
	(a) Embedded design
	(c) Cohesion with respect to time
5-1	(a) Operations are part of single functional
	(a) Operations are part of single functional task and are placed in same procedures.
5.8	(d) Common coupled.
	(C) Temperal Cohesian Procedural Cohesian
5.10	(c) Cohesian
5.11	(a) Chosed System
5.12	(a) Chosed System (a) Coupling
	1 0.
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	EXERCIBES.
5.1	A design is a loss as specification for
	the material of an object of system
	A design is a plan or specification for the construction of an object or system or for the implementation of an activity or
	Process.

	Page No: Date: / /
	Software design is the process of envisioning by defining software solutions to one or more sets of problems.
0	Conceptual Designi written in customer's language explains the observable external characteristics of the system. Independent of implementation
0	Techinal design describes major hardware components and their functions shows hierarchy of software components shows data structures & data flow shows interfaces.
5-2	Objectives: Identify different types of softwares based on the usage Shows differences among design and oding describes concepts of structured programming. See how to disign for testibility as well as maintainability.
	The transformation of an informal design to a detailed design is done as:

	Page No:
	Informal Morres
	More Carl
	outline Design formal > tesign. Design
5.3	No we do not design software when we write" a program.
	"write" a program.
	Design is the description of the
	Coding is the language specification which
	implemented of the design. It muss on the computor
	implemented of the design. It runs on the computer and provides the expected result.
5.4	A module is a software component that is
	created by dividing the software.
	The process of creating software modules is
	Known as Modularity.
	important properties of a Modular system:
4	Modular De composability (Break down 40
	Smaller pieces.)
2	Modular Understandability (Make it casier for -
	the user to understand each module so that
	it is easy to develop and change)
3	Modular Composability Combine modules that
	are created)
4-	Modular Continuity (unbroken or uninterrupted -
	connection for a long period)
	V V

and containing and processing and containing and co	Date: / /
5	Modular Protection (Keep saft the other modules from abnormal condition occurring in a particular module at our time)
5.5	Module Coupling means to couple two or more modules with each other and with the outside world.
1,	Types of coupling. Data Coupling - Coupling of data i.e interaction byw data when they are passed through barameters
ā	Control Coupling - Control Data shaqing between modules.
3.	Common Coupling - Sharing of common data or global data between several modules.
ч.	Content Coupling - Using of data or control information maintained in other modules by
	one modules.
5.	Stamp Coupling - Sharing of composite data structures between modules.
6.	

	Page No: Date: / /
5.6	Define module cohesion
	types of conesion. Explain different.
	Conesion defines the dec
	Conesion defines the degree to which the elements of a module belong together. It measures the strength of relationship byw piece functionality within a given module.
	measures the strength of together. It
	blu piece functionally within a
	module.
	Types:
	Functional Cohesion: All elements motions
	we execution of one task
2-	Sequential cohesion, Elements are involved
	in acousties such that output data from
	activity becomes input data for the next.
3.	Communicational Cohesian: Elements contribute
	to activifies that use the same input or
4. 0	output data.
4.	Procedural Cohesion: Elements are related.
	only by sequence, otherwise activities are
	eunvelated.
5	Temporal Cohesion: Elements are involved.
	in activities that are related in time.
	Logical Obligion: Elements contribute to
	Coincidental Cohesion: Elements contribute
1.	Wincidental Cohesian: Elements contribute
	to activities with no meaningful relationship
	to one another.
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	Page No: Date: / /
5.7	design? what are the effects of module anyting and cohesion.
	The objective of modular design are to ethance clarity, easy implementation, debugging testing, do aumenting and maintenance of the software.
	A good modular system creates a well designed reusable, easy to use piece of software.
	Coupling and ochesion are two complementary properties. Coupling shows relationship by modules, whereas cohesion shows relationship within the modules.
	high coupling is bad for the software as it decreases maintainability whereas high cohesion is better as it make it more reusable.