	DATE / /
	2. Object Oriented Modelling technique:
	OMT is methodology given by Rumbaugh & his coworkers which describes a method for the analysis, design & implementation of a system with the help of an object oriented technique.
	It describes dynamic behaviour of objects involved within a system.
70037	OMT encompasses 4 phases:
perda	System Analysis (Results are objects & dynamic & Functional models) System Design (Results are structure based) architecture
	along with high level architecture strategy) Object Design Implementation
	The OMT model is divided into three phases:
	1. An object model (Object model & data dictionary) 2. A dynamic model (state diagram & event Flow diag) 3. Functional model (data Flow & constraints).
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	Service.

Q.2. Explain VML structure.

- System that are independent of time and that convey the concepts of a system and now they relate to each other.
- structural things are the nouns involved in the UML model.
- They constitute the static part of UML model & represents the theoretical & physical elements of model.
- There are 7 types of structural things:
 - 1. Class: Class depicts collection of objects that have common state & behaviour. It is detailed explanation of a group of objects that share equivalent attributes, relationships & operations.
 - 2. Interface: It is collection of operations which are used for postulating a service of a particular component of a class. They are used as glue for binding components altogether.
 - 3. Collaboration: It is used for documenting the implementation of a particular module involved within a software system. It is to describe the working & implementation style of a particular module.

4. Use case: Use cases are meant for specification of the interaction between the system. It is set of scenes that collectively work to achieve a common user goal. 5. Active class: - It is similar to normal class except that the object of an active class represents elements Whose behaviour is synchronized with other elements involved within a software system scenario. 6. Component: - A component is a physical & expandable part of a system that offers the realization of a set of interface. 7. Node: - They are used to design the topology of the hardware on which a proposed software executes. Q.3. Draw a use case diagram for following description. Consider an online travel planner software. Through this software, the user can book bus ticket, book car on sent book a hotel room. It is mandatory to provide Payment information & provide address for booking of bus ticket, car on vert & hotel room. Identify actor &

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	Manage users Admin Manage travel agency (Manage Full application)
	(Login to system)
	Book car on vert ? (Address details)
Q·4.	An electronic gadget shop has Television & washing machines. Television has screen size, color, mounting (only wall or table mount are possible). Television come in two types namely LCD & LED. A washing machine has a capacity in litres, color, type of loading (Top or Front) A customer can order electronic gadget. Draw a class diagram for this with attributes & relationship
→	diagram for this with attributes & relationship Identify Classes, attributes & methods. Classes: television, washing machine, LCD, LED
	Attributes: television id, Screen-size, color, mounting, washing machine id, capacity, color, type of. loading
	Methods: getdataT(), updateT(), deleteT(), displayT(), getdataW(), updateW(), deleteW(), displayW(), gettype()

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Television	
-Television_id	
-Screen-size	washing machine
mounting	-washing machine-id
+ getdataT()	- capacity - color
t updateT() t deleteT()	- type of loading + getdataW()
+ displayT()	+ updateW() + deleteW()
Lcp	LED + displayW()
+ gettype()	tgeltype()
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