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Albat is DFD?

Ame A Data Flow Diagram (DFD) maps out

the flow of information for any

process or system. It uses defined symbols

like rectangles, circles and arrows, plus

short tent labels, to show data input,

outputs, Storage points and the routes

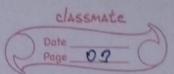
between each destination.

2) Drow and explain DFD notation?

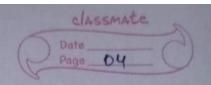
Enternal Entity: Also known as actors, sources or sinks, and terminators, orenternal entities produce and consume data that flows blw the entity and the system being diagramed.

Entity.

	Process :- A data transformer (changes
	input to output).
*	Activities and action taken on the data
	are represented by circle or Round-edged
	rectangles.
	(Process)
	who had nother than the said
Nader.	Data Flow of Data Flows trough a system.
3734	beginning as input & transformed into output
4 14 19	
	breadth Area Arga
	breadthy
	Data Store :- It can either be represented as
	Data Store :- It can either be represented as a restangle with only one side missing.
orial C.	Data Store :- It can either be represented as a revangle with only one side missing.
M180	Data Store :- It can either be represented as a restangle with only one side missing, student table OR
4181	a revangle with only one side missing,
130	a restangle with only one side missing, Student_table OR
3.>	a restangle with only one side missing, Student table OR
-	A restangle with only one side missing, Student_table OR Nome of all the herels of DFD?
-	a restangle with only one side missing, Student table OR
-	A revengle with only one side missing, Student_table OR Nome of all the Levels of DFD? Content level DFD are: * Level O DFD
3.>	Student table OR Student table OR Nome of all the Levels of DFD? Content level DFD are: * Level O DFD * Level 1 DFD * Level 2 DFD
1	A revent table of OFD Student table of OFD Content level DFD are: * Level O DFD * Level J DFD



4>	UML Stands for?					
Ans	Unified Modeling Language					
	Arrangerage brill and congress					
5.>	Draw and Euplain class diagram notation					
Δ.,	used in UMI.?					
,div	Clas Name's					
	The Name of the class is the only					
	required stag in the graphical represen-					
	tation of a class. It always appears					
	in the dop-most compartment.					
	Person					
Linkle!	e sammend of the land market and the					
	All to the test was a sufficient of the second of the seco					
Series 1	1 35 slich siltswell redoct partahreagah sell					
- 614	class Attributes:					
A short	An Attributes is a named property of a					
	class that address the objects being modeled.					
	Attributes appear in the second compartment					
	just below the name - compartment. It					
	can be - + public, # protected, - private and					
	derived. Penon					
I HIM	thame: shing					
	-address Address					
in the same	- Birthdate ; Date					

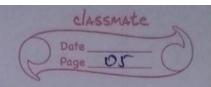


Class Operations:							
Operations describe the class behaviour and							
appear in th	e third com	parti	ment.				
appen.	Person						
minor others	A MARIANTA	5/10	crost	(2)			
V	Attributes	70	ball.				
	A POLICE	01/4	anlo -	146,			
clase se see s	Operations	NA.	adl 9				
To lordane	eg + Eat(c)	[]	10916				
Managar B	+ Sleep C)		sitol				

Dependencies Relationship:
A dependency indicates a semantic relationship between two or more elements.

The dependency from Timeshedule to Jecture enists because lecture is used in both the add and remove operation of Timeschedule.

		MITARI MATERIA
	Time Schedule	vesudo istaticula
	on a congress of the section	adt wated from
1	of - habstonate	> Course
	The state of the s	West I I have health
	remove (C: weise)	Emanual
	remove (c: weerse)	ar h h b m
	THE RESERVE OF THE PARTY OF THE	No. of the last of



Creneralization Relationship:-

Person

A Cheneralization connects a Subclass to its superclass. It denotes an inheritance of attributes and behaviour from the Superclass to the subclass and indicates a specialization in the Subclass of the more general superclass.

Student

Association Relationship

If two classes in a model need to

communicate with each other, there must be
links between them.

Student

Instruction,

one and only one he can indicate the multiplicity of an association by adding multiplicity adomments to the line denoting the association.

Student J M Instructor

The enample indicates that a chidens how one or more inemietors.

6. Draw and enplain weare diagram notation used in UML?

And These are the notation of we case diagram Actor:

* An Actor is outside or enternal the System. It can be a "

- Human

- Peripheral device

wer .

to hand Johans & of naviole and, SH

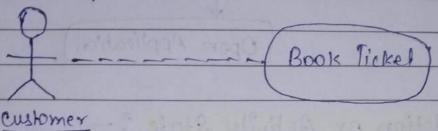
A we care is a summary of scenarios for a singal dask or goal.

It represents a class of funtionality provided by the system at oan event flow.

(Book Ticker)

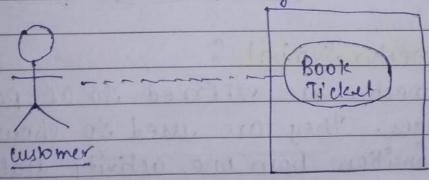
Re	a	4	on	SI	'v	05	0
-						and the same	

Represents communication between actor and use case. Represented by line or double - headed arrow line. It also called association Relationship.



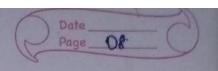
Boundary :

A Boundary Rectangle is place around the porimeter of the system show how the actors communicate with the systems.



7.) Draw and Explain an Activity diagram notation used in UML?

Any These are the notation of Activity diagram



Intial State:
The Starting State before an activity
Itakes place is depicted using the intial
State.

Showt symbol

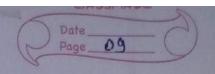
Open Application)

Action or Activity State?
An Activity Represents execution
of an aution on objects or by object.

Open Application & Activity Symbol

Connector Symbol of Connector are referred to as paths and edges. They are used to show the transition from one activity state to another.

Open Application



Decision Symbol:

When we need to make a decision before deciding the flow of control, we use the decision symbol.

Check No Pin Lyes

(login success)

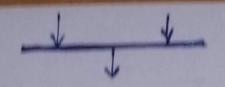
Interuse a rounded solid rectangledor bar to represent a forte notation with incoming amow from the parent actitivity state and outgoing aroows towards the newly created

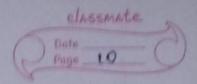
activities.

Joint Symbol?

It is use to combiner stood different concurrent activities and deinhoduces in a flow-where only one activity

Occure at a time.





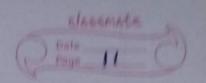
Deticion Symbol : - It is used when an

Mote Symbol: If the creator want to specify additional menage than this symbol

Send Symbol. ? It is use to indicate that a signal is sent.

Receive Signal Symbol :- It demonstrates that the message is ineceived.

Flow control symbol &- It represents the end of a Specific process not viepresents end of all Plan in Octivity.



End Symbol :- It is used to represent of completion of all flow of procen.

8. Q. Draw and Explain Sequence diagram notation used in UMIL. ?

Ave

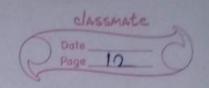
Object Symbol: It represents a class or object

Activation Boy :- It represents the time

needed for an object to complete a

task Activation Boy increase
according to time of task.

Actor Symbol: It shows the entities that interact with the System.



Package Symbol ? - It contain interactive elemente of the diagram. It is also known as frame.

AHribute

LiFeline Symbol & Represents the passage of time as it entends downward. Clashed line show the Sequential events that occur to an object.

:User

Alternative Symbol: Symbolizes a choice needs to be made between two or more message sequences.

[Alternative]
[condition]

M.