Page No.: 3 Leagitional bediamind Maching Leuming of These algorithm have more of m L Algorithm arem regorous mothematical apprount data intensive. P.3. Explain 5 core tasks of machine learning. contract appropriate Data preprocessing Train Test: Improve collection (a) Get data: - (1) depend on your projector datalyse (2) can also use data form internate repositories Sites such as kaggle and others. D. preprocessing !- (Cleanning @ prepare and 3 manipulate 12 Real word data is mostly unorganised with missing or poisy containts-Explain: Removing imagis (smilles) from the atextin 2000 18 B) It is a importent it convert the data sets into valid format for your chosen in L plateform. eg. translate the data into cus rile. 3 Finally you splite your data into training and test data set transing set used to hall the model in the next step while the test data is used to volidate the method in 4th Step. i.e 70 11 -> Traning and

301. -> Testing

	Onte: / /
1000	Page No.: 24
-	C) Totalin model
1 0000	c) Train model: - O Apply dataset to an algorithm a) Algorithm use mythematical activities
The Total Control	(1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	developed prediction.
	dr Test model: 1 validate your trained model,
DATE:	check the model accuracy, it result are not
	accurate go-to the next step.
100	A a real date of the date of the property of the state of
	+ + in prove: 704 need to improve and retrained
	YOU ML modes by below ways.
	@ add more data de la somme
	6) use another algorithm
Pau	@ modify algorithm.and a mulius
	Sand milion Gard - Thirds formate alle
Q.4.	Idhat are the key element or machine learning?
->	Every machine learning algorithm composed
	an of three component
-> >	parities and the sure of the s
Burious	Representation and Branches Laborate
	- 112 Les Dans Contract Local Will Silver Charles
- m 2- 7	i Evaluation
1	
	optimization
	a some sentation splect
	a model a model to represent your knowledge
	of data. (2) In this phase we are trying to Find the
	the shape that its or represent the knowledge.

	1 - 10 M 1/1944	Page No.: 5	
Condition.	(3) Ditterent Knowkalge representation method co		
With the	be used in different hind or	learning proble	
	e.g. decision table, decision t	trees.	
<u> </u>	B Evaluation :- (1) Evaluation (5 H	he way to	
100	evaluate the machine learning	model and	
: - ·	prefer one model us another	8	
	(2) used to distinguish good	Glassities trom	
	a bad one man	- soverquit 50	
	3 It is a technique to optim	nizaing the	
	performance of machine learn	ing model.	
	A Footly ton or land		
	4) Evalution is done using ar	venalntion thu	
	also known abjective funn so	cooling tuni	
	@ Optimization!	to II ne	
	1) optimization is the way	that estimale	
	model parameters using op	Him is a time met	
	1 Determine Highest sconing	1 classifier.	
	3) e.g. greedy search prand	h and bound.	
	i-mollocistion to a series		
	particular of the state of the	11222	
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