	Assignment No:-1B
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	Rollno: 40
	Sem/Branch: VII/I.T Batch:
•	Subject: A.I.
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	Explain PEAS descriptois for WOMPUS world
	i) Performance Mooners Hom Por grabbing goal and coming back to stod.
And the state of t	200 il player is killed
	1 per adion 10 for wing worow.
	ii) Environment Empty Room
	Room with WUMPUS Rooms reighbouring to WUMPUS which are
	Room with bottomber pits. Room nighbouring with bottomless pits
	which are brevery. [.]
ie.	Arrow to choot WUMPUS Senous Cananing Robotic Agent)
	Gnera to get the view Odows revol
ż	ERedory (assuring robotic agest).
	Robot orm to gras Robot Machanism to shoot averous.
	Robot Mechanism to shoot aurow.
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	CUMPUS world agent has following charadors:
•)	
(20	into opposite
6)	Deterministics
()	Static
	Ducrele
	Single Agent.
0.2	Explain Various elements of Cognitive System
->	Cognitive Computing is new type of Computing
	with good of more accurate models of
	how human brain mind senses reasons
;	L'asponds do stimulus
,	Grenerally, torm Cognitive Competing is
	or software that minic tollowing
	functioning of human brain there
	improving hungen decision making
	Cognitive Computing applications timber
	data Analysis or Adaptive page no
	Adaptive mer interface to adjust
	condent for particular type of Audience
a!	Interactive man interact carily with wer
	so that those was can define this ruch
	contodably they may also inderest with
	other processor devices or loud services.
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as well as the people. N Adouptive: They may be engineered to feed on on dynamic data in road time. They may learn as information changes and as goals & requirements.

evolve They may presolve ambiguity and

tolerate unpredictability behaviours Contexual: - They may understand identify ar extead. contexual exements such og meaning aystax location, appropriate domain etc d) Herodive They may used in identify a problem by asking quedions or finaling adolition on source input if problem statement is incomplety 0.3 Write rote on Language Model. -i Grow of language model is to compute probability of token (e.g sentence on conjunce of words) & are we ful in many different NPL Applications.
Larguage model actually gramer of a language as it gives probability of word that will follow. FOR EDUCATIONAL USE Sundaram

THE REAL PROPERTY. in) In case of (M) probability of a solvence of words is P(w)
= P(w, wz, wz... con) of next word in pendence 18 (w) (w, w2, w2, w4) a) A model that computer either at there is language Model. There are various language Model available a few are a) Methods using Markov assumption. - A procen which is stochastic in radure is said to have morrison properly
if conditional probability of future
states depends upon present state. - From Mortgov assumptions, we can formally define models where k-n-1 as fallowing 9 (w, (w, w, w, -1) Unigram model (k:1):P(w, wz wn) = II p(w.) Bigram model (k=2)d- $P(\omega,(\omega_1\omega_2...\omega_{i-1})=P(\omega,(\omega_{i-1}))$ $= (\omega,(\omega_1,\omega_2...\omega_{i-1})=P(\omega,(\omega_{i-1},\omega_{i-1}))$ FOR EDUCATIONAL USE θ $(\omega_i,-1,...\omega)$

a.4 Write a note on Machine Translation? ->i) Machine Translation is clausic test at language understand. It consist of Many machine translation system have huge connecial un tollowing or few of examples:

Googh Translate goes through 100 billion
words per day. chay wer Machine Transation techniques to enable (5055- border trade & corned buy seller around globe Facebook uses Machine Frankation to Translate automatically in order to broak language barrier Systran became 1st software provider to lauch a Madine Translation engène in more than 30 language in 2016. Microsoft bring: AI-powered frankation to end very and developer, on Android, Ios, and Amazon. Tive whiter or They have acces to Internel In traditional Machine Translation system parallel corpus, a collection of trees is well to each of width is translated int one or more other larguage the original. FOR EDUCATIONAL USE Sundaram

6.5 Explain

10	Syntatic Analysis
9)	T HT is done
-	In this sentence are parcial or noun vers,
	adjective and other parts of sentences. In
	His plane granner of sendence is analyzed
	in order to get relationship among
and the second second	
	different words in sentences
	Les Margo ed ne will be rejected
	by analyzer
	is wyor.
و	Word gover disarbiation.
	While using words that have more than on
	meaning we have to solad meaning
	which makes most sent in condext.
	tor e.g we are typically given list of
	word associated words source.
	from didionary or from an online
	Ryource sud as word ret.
	Mourille 26th as work res.
H H2	
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