K.G.C.E.

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		THE
Ф	0	Explain PERS descriptor for wompos coord
	N	i) personnonce measure:
		- + 100 for goodbing good & Coming back to 6ter 1.
		200 if player is hired
		10 for using a mow
to designation of sections in the decimal		OR V OSING STATE
(-		1i) Environent
		- Empy wons
		- Room with wumpus
		- Roams Neighburing to wampup which are Shells
		- Rooms with bottomies pits
		- Room neighbouring with bottom less pits which are
		- Room with gold which is glitary
		- Arow to Shoot wompos.
<u> </u>		iii) Senson Cassuming Robotic agent)
		- Camera toget The view
		-ovder sensor to sher
		- Audio Senson to Lister to since bymp
		iv) Elector (assuming pobotic agents)
		- motor to move left right.
	-	- Robot on to grab.
		· R & Bo I - mechanism to Shot arrow.
	$-\parallel$	
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c) Contextual :

Page No.: K.G.C.E. Karjat - Raigad Date: Explain Various elements of Cognitive system D (ognitive Computing is New type of compaining with goal of more accurate models of box human brain Imind Sensor, reason to stimulus 2) Generally, term Cognitive Computing is used to refer to new hordware 6100 slw that following tunctioning of human brain thereby improving haman decision making agniture Computing applications links dara Analysis of Adaptive page - Followings are elements of Cagnitive system a) tritaractive 3-. They may interact easily with users of those Useus can define their needs Confortably 5) Adoptive : - They may be engineered to Reed on dynamic " 5 real time. They may bear as information. changes & as goods & requirement

They many under Stand, identify or entract

location rappropriate domain al

Consertual elements such as meaning Syntax

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	3)	White a Note on Language model.  DiGoal of Language model 95 to compute  probabling of token Ce-g. Sentance or Dequence of uponds) are useful is many different upplapplication.  Dishanguage model actually a grammer of Language as Pt gives probability of word that usell follow.  3) In case of (LM) probability of a Sendence  as sequence of word is
		p(w): p(w, w), w), w)  4) It can also be used to find probability  of next would in sentence  (p(ws/w), w), w)  r) A model that computes either at these is  danguage mode!  God There are Namous Language model  available a few are:  a) methods using markour assumption:  - process which is stargetic in nature  95 Said to have marker property of Cardinaral
		Probability of Indure States depends upon  present States  b) M. Grams models:  -from morner assumption we can farmally  define models where k'. A-1 as following  p(w, 1 w2 w; -1)  c) original model (k-1):-  P(w, w2 w) IIP(wi)

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	d) Biavous model (k=2):-	
	d) Bignoms Model (k=2):-	
	P(W, /w, w2 wn) = P(wi/wi-1)	1
****		
	(wi/wi-i) = Count (wi-1w)	
<b>9</b> 4	(aun + (as' - w)	
	<u> </u>	
	18/ 66666	
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Karjat - Raigad Date: Worke a note on machine Translation 1) machine Trasletion is classic test of language understand. It Consist of both language analysis & generation, many marking translation systems have huge commercial use following are few eg. - Google Translate goes through too billion words per day - eBay uses martine toronstation techniques to enoble cross-border torade & Convect buyers Sellers ground globe. - Facebook User machine Tronslation to translate text for to points to Comment automatically in order to break language barrier - Systram become 1st software provider to founch a machine toranslation engine in more than Bo longuages in 2016 - microsoft boings AT-powered townslation to end user & derelopers on Android, Jos en observer Amozon whether or not they have to internet. In traditional Machine toponsition Syskin Parallel (collection of types is used to each at with is translate into one on mor other language than original e. q given source language e.g. French & Language eg, English

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95)	Explain Tollowing derms?	
	a) phonology:	
	in an NCP (Natural language processing) Syste	m.
	b) morphology:	
	pormitte meaningful units	
	of Lexical Analysis:	
	- Lexical : 5 words & phase in Language Lexical  Analysis deals with recognision oidentification	
	of Structure of Sensences . It provides programs in	
	Sensance phage	
	- Shire using words that have more than	
	one meaning coe have to select meaning cohoch makes most sense in can text.	
	Pore.g: we are Apically given hist of-	
	on Online Resource Such as word net.	
	e] systemic Analysiss =	
	- In this sendense are parsed as Noun,	
	yer hs objective & other parts of sentences. In this phase grammer of sentence is analyze in	
	order to jet relationship among different worlds.	