Paper / Subject Code: 42957 / AI & ML In Healthcare

B.E. Extc/ IT/Mech(R-2019-20 C Scheme) (Sem VII) / 42957 - AI & ML In Healthcare

(3 Hours)	ST SHIT		Marks: 80]
N.B.: 1) Question No. 1 is compul- 2) Answer any three out of r 3) Assume suitable data if no	emaining questions.		
4) Figures to the right indica		CAT LEAT	
Q1. (a) Discuss in brief the challeng Q1. (b) Differentiate between baggi Q1. (c) Calculate Accuracy, Precision	ng and boosting.		(5) (5) owing data:
True Positive (TP)= 105, True Neg			Negative (FN)=
Q1. (d) List down applications of N	atural Language Proce	essing (NLP).	(5)
Q2. (a) Discuss in detail with examp domain for disease diagnosis Q2. (b) Explain the need of ethics w		\$5 \display	(1
(2. (b) Explain the need of calles w	apprying 711 and 1	viz in neurineare domain	(1
Q3. (a) Illustrate with medical exam	ple how computationa	al intelligence techniques	
algorithms are used. Q3. (b) What are hyperparameters?	Differentiate hyperpar	ameters and model param	(1
Explain any two hyperparan			(1
Q4. (a) Explain high level NLP con	nponents.		(1
Q4. (b) How Virtual and Augmented	d reality are used in he	althcare. Explain by givir	ng example. (10
Q5. (a) Explain Convolution Neural Q5. (b) Sketch the architecture of Ir			(10 plain it. (1
Q6. Explain any Two: i) Explain NLP pipeline ii) Connected Medicine iii) Multivariate Testing	THE CHARLES THE STREET	Branch Control of the	(2
