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B. E. (Third Semester) Examination, April-May 2020

(New Scheme)

(CSE Engg.)

COMPUTATIONAL SCIENCE

Time Allowed: Three hours

Maximum Marks: 80

Minimum Pass Marks: 28

Note: Part (a) of every question is compulsory. Solve any two from (b), (c) and (d).

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(a) What do you mean by flow chart? 2 Explain about coupling and cohesion in detail. (b) (c) State the characteristics of programming languages and explain them in brief.

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(d)	Explain	the	fundamental	concepts	in	software	
	design.						7

Unit-II

2.	(a)	What do you mean by translator?	2
	(b)	Explain the terms : $3\frac{1}{2} \times 2^{\frac{1}{2}}$	=7
		(i) Virtual computer	
		(ii) Binding	
	(c)	Write short note on : $3\frac{1}{2} \times 2^{\frac{1}{2}}$	=7
	ş. =	(i) Compiler	
		(ii) Interpreter	
	(d)		
		different types with example.	7
		Unit-III	
		Cint-111	
3.	(a)	What do you mean by Imperative language?	2
	(b)	Differentiate between functional and imperative	
		programming language.	7
	(c)	Describe about LISP language is brief.	7
	(d)	Write short note on any two:	7

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(ii) H	IA!	SKI	EL
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(iii) Object Oriented Programming

Unit-IV

4.	(a)	What do you mean by neuron?	2
	(b)	Write short note on any two : 7	
		(i) single layer network	
		(ii) Activation network	
		(iii) Auto-associative memory	
	(c)	Explain about Artificial Neural Network.	7
	(d)	Describe supervised and unsupervised learning	
		method.	7
		Unit-V	
5.			
	(a)	What do you mean by fuzzy logic?	2
	(a) (b)	What do you mean by fuzzy logic? Explain Fuzzy set theory with operations and laws	2
	. ,		2
	. ,	Explain Fuzzy set theory with operations and laws	
	(b)	Explain Fuzzy set theory with operations and laws in brief.	7

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(i) ML