## I PUC MID-TERM EXAMINATION, OCT./NOV.-2024

Tim	e: 3 Hours	COMPUTER SO	IENCE (41)	Max. Marks: 70	
		PART-	And the content to your	(2) is another	
I	Answer ALL the questions. Each question carries ONE mark. 20x1=2 Select the correct answer from the choices given: (Repeated answers will not be considered)				
0	Who invented Analytic				
9			c) Charles Babbage	d) John Von Neumann	
2)	1 TB = Relynn	nestion carries TWO	R questions. Each q		
	a) 1024 KB	b) 1024 PB	c) 1024 MB	d) 1024 GB	
3)	is volatile	memory.			
	a) ROM	b) RAM			
4)	Statement (A): Data capturing is process of gathering data from different sources in digital for Statement (B): Heterogeneity among data sources sometime makes data capturing a completask.  a) Both A and B are true  b) Both A and B are false				
	c) A is true but B is false  d) A is false but B is true				
5)	The second secon	1.1112		n languages of the world.	
2	a) UNICODE	b) ASCII	c) ISCII	d) ENCODE	
6)	The base value of hex	adecimal number is	ar 23 Compber 3) 1		
-/-	a) 8	b) 2	c) 10	d) 16	
7)	Binary equivalent of 6	8 is		30) Convert 605 12 <sub>m</sub> u	
	a) 100100 <sub>(2)</sub>	b) 1000110 <sub>(2)</sub>	c) 1000100 <sub>(2)</sub>	d) 1100100 <sub>(2)</sub>	
8)	Machine learning is a		neckusies of a good	(2) Wife any three cha	
	a) IOT	b) WOT	c) Robotics	d) AI	
9)	The predictive typing	feature is example of	for nantung an rooming	34) What me the riles	
	a) NLP	b) AR	c) VR	d) Veracity	
10)	is the pro	cess of examining data	sets in order to draw	w conclusions about the	
	information they contain				
	a) Data capturing				
11)	By analysing problem	you will figure out	CII encoding scireme		
	a) Input and Output  b) Testing and Debugging and Information A soft year 18.1 (88)				
	c) Input and Reading		Writing disconnection		
12)		ol is used for _			
	a) Input or Output	b) Decision	c) Process	d) Start or End	
13)		g is not selection stateme			
OT=	a) While	estion carries II (d m	c) If-Esle	d) If-Else ladder	
14)	We need to debug be	cause			
	<ul><li>a) To increase the size</li><li>b) To write the algorit</li></ul>	2222			
	c) To ensure the progr	am runs without error	tent to calculate area o		
15)	What is the extension	for python program?			
13)	a) .phy	b) .py	c) .exe	d) .php	

	-2-				
П	Fill in the blanks choosing the appropriate word/words from given in brackets.				
M:	(Flowcharts, Flow of control, Algorithm, Decompose, Pseudocode, Syntax)				
16)	is defined as step by step procedure designed to perform an operation.				
17)	is another way of representing algorithm.				
18)	depicts flow of events as represented in flow charts.				
19)	The set of rules or grammer that governs formulation of statements is called				
20)	Breaking down complex problem into sub problems called as				
	a) Herman Hollerth b) Blaize Par <b>B-TRAP</b> Charles Bebeage d) John Von Neur				
Ш	Answer any FOUR questions. Each question carries TWO marks. 4x2=				
21)	Write the difference between primary and secondary memory.				
22)	What are microcontrollers ? Give example.				
23)	Write the major categories of computer programming languages.				
24)	Convert 122, to Decimal. of sub-principles of general sub-principles and s (A) more and s				
25)	Mention any two applications of Robotics. A Stall ground vicing ground H (E) Instructed				
26)	What is Pseudocode? Write any two keywords used while writing pseudocode.				
27)	What are the keywords in Python? Give example.				
	PART-C PART-C				
IV	Answer any FOUR questions. Each question carries THREE marks. 4x3=12				
28)	Define 1) Assembler 2) Complier 3) Interpreter				
29)	Explain any three functions of the operating system.				
30)	Convert 605.12 <sub>(8)</sub> to Decimal.				
31)	Briefly explain cloud services.				
32)	Write any three characteristics of a good algorithm.				
33)	Write an algorithm to find the square of the number.				
34)	What are the rules for naming an identifier in Python ?				
	9) Whe predictive typing foatene is example of the predictive typing foateness of the desirable of the predictive of the				
V	Answer any FOUR questions. Each question carries FIVE marks. 4x5=20				
35)					
36)	Define microprocessors. Explain the features of microprocessors.  Explain different types of operating system user interfaces.				
37)	10.00				
38)	Write a note on ASCII encoding schemes. Mo stugilling used in daily life.				
39)	List any five Artificial Intelligence examples used in daily life.  What are the characteristics of big data?				
40)					
	What are the key steps required for solving a problem in a computer?				
41)	Briefly explain any five features of Python.				
	PART-E noisseles win a gerweller edito roulle (E)				
VI	Answer any TWO questions. Each question carries FIVE marks. 2x5=10				
. 42)	Explain the block diagram of a computer system.				
43)	Convert 23D <sub>(16)</sub> to Decimal, Octal and Binary.				
44)	Draw a neat flowchart to calculate area and perimeter of rectangle.  PART-F  PART-F				
	(For Visually challenged students only)				
VII	12) Which of the following is not a characteristics of a good algorithm.				
	a) Uniqueness b) Primary memory c) Input d) Output				