Dr Prodeel Kuren

[3+3+4]

## JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT SUMMER MID TERM EXAMINATION- JUNE -2018

B.Tech | I Semester

B. I con I Semester	
COURSE CODE: 10B11CI111	MAX. MARKS: 50
COURSE NAME: Introduction to Computers & Programming COURSE CREDITS: 04	MAX. TIME: 2 HRS
Note: All questions are compulsory. Carrying of mobile phone during examinations	***************************************
unfair means.	
1. What do you mean by ENIAC and EDVAC? How they differ with each of	other? Give example of two
most intelligent computing machines. Explain John Von Neumann model	of computers with suitable
diagram.	[2+2+6]
2. Why computer is called as a sequential machine? Give one example	
Differentiate the following terms with example a. Algorithm b. Pseudo code	c. Program [2+2+6]
3. What do you mean by instruction execution cycle? Explain all its phases in d	etail with suitable diagram.
	[2+8]
<ul> <li>4. Do the following number system conversion:</li> <li>a. 4B – Hexadecimal to Octal</li> <li>b. 1001.101 Binary to Decimal</li> <li>c. 536 Octal to Hexadecimal</li> <li>d. 12.625 Decimal to Binary</li> </ul>	
<ul> <li>e. 12 Minus 21 (Using 2's Complement). Also verify your answer.</li> <li>5. a. What would be the output of the following programs?</li> <li>#include<stdio.h></stdio.h></li> </ul>	[5x2=10]
main() { int k,num=30;	
k=(num>5? (num<=10? 100:200) : 500);	•
printf("%d\n", num); } b. Write a program in C to compare three numbers entered through keyboard.	

c. Write a program in C to calculate simple interest. Variables are entered through the keyboard.