

D-8/2110

5535/NJ

<b>Name of the Examination</b>		<b>BSc-I (CSM) 1<sup>st</sup> Sem</b>	
<b>Year of Examination</b>		<b>Dec, 2020</b>	
<b>Subject</b>		<b>Introduction to Information Technology</b>	
<b>Paper</b>		<b>CSM-116</b>	
<b>Title</b>		<b>Introduction to Information Technology</b>	
<b>Time Allowed</b>	<b>3 Hours</b>	<b>Maximum Marks</b>	<b>30</b>
		<b>Min. Pass Marks</b>	

**Note: Attempt 5 questions in all, selecting two questions from each section A and B and the compulsory question of section C.**

<b>Section A</b>			
1.		Define information system. What are the various components of an information system? Explain.	4
2.		How arithmetic operations are performed in binary arithmetic? Explain giving examples.	4
3.		Perform the following conversions as per directions: a. $10111001_2 = ?_{16}$ and $?_8$ b. $1234_8 = ?_2$ and $?_{16}$ c. $FEEF_{16} = ?_8$ and $?_2$ d. $123456_{10} = ?_{16}$ and $?_2$	4*1=4
4.	a.	Distinguish between positional and non-positional number systems.	2
	b.	Define and distinguish between BCD and ASCII codes.	2
<b>Section B</b>			
5.		Define computer networks. What are the features of different types of computer networks? Explain.	4
6.		What are the various types of network communication devices? Explain.	4
7.	a.	What are the different methods of inserting rows and columns in a table in MS Word? Explain.	2
	b.	How images are inserted in word documents? Explain.	2
8.		How a bar graph is created in MS Excel? Explain giving example.	4
<b>Section C</b>			
9.		All questions are compulsory.	
	a.	Distinguish between compiler and interpreter.	2
	b.	Define Moore's law.	2
	c.	What are the features of 4GL?	2
	d.	How fractional numbers are stored in computers?	2
	e.	Define e-commerce.	2
	f.	Define mail merge.	2
	g.	How header and footers are inserted in worksheets?	2