

#### CSE SECOND YEAR THIRD SEMESTER EXAMINATION, 2019

#### Data Structure

Subject code: 520201

Time	1.50 hours	Mid-term Examination-1	Full Marks-	30
D	N.B The figures in the right	margin indicate full marks. Answer ev	ery question properly	<u>'</u> ]
R) E:	What is Data Structure? Write so xplain Floor and Ceiling function Define Factorial function with exa	ns with proper mathematical example.		2 4 3
(d) D		How to calculate the Length of an Arra	y ? Give proper	6
c) F d) V			g data in Linked	5 2 4 4
	2 ° 50			

All the Best

CSE 10<sup>th</sup> Batch



## CSE SECOND YEAR THIRD SEMESTER EXAMINATION, 2019

#### Object Oriented Programming

Subject code: 520203

Time-	1.50 hours Mid-term Examination-1 Full Marks	30
	[N.B The figures in the right margin indicate full marks. Answer every question properly]	
) (d)	Define OOP. What is the benefits of OOP? Write the difference between OOP and SP. What is Class? What are Objects? How are they created? Write a code structure as example. How many ways to declare Member functions? Write with code structure.	3 4 4 4
Z. a)	When do we declare a member of a class Static? What is Static Member functions? Write code structure.  How to create Arrays within a class? What are Arrays of objects? Write a code for both.  How to allocate memory for objects? Draw the diagram	6 6 3

All the Best

CSE 10<sup>th</sup> Batch



#### CSE SECOND YEAR THIRD SEMESTER EXAMINATION, 2019

#### Computer Architecture

Subject code: 520205

Time----- 1.50 hours

Time 1.50 hours	Mid-term Examination-1 Full Marks	
[N.B The figures in the right ma	argin indicate full marks. Answer every question p	properly]
1. a) What is a Stored Program computer b) What are the four main components by What is the key distinguishing featured Describe the IAS and IBM 7094 components.	of any general-purpose computer re of a microprocessor?	1 2 2 10
b) Write the PCI protocol layers. c) What is the Bus Structure of micropi	s and Asynchronous bus operation with diagrams. rocessor? e in Computer components with diagrams.	5 2 3 5
All the	Best CSE 1	10 <sup>th</sup> Batch



# NORTHERN COLLEGE

B A N G L A D E S H

### Department of Computer Science and Engineering

Midterm Examination-1
Subject: Ordinary Differential Equation
CSE 10<sup>th</sup> Batch

Time: 1.5 hours Full Marks: 30

[N.B. — The figures in the right margin indicate full marks. All questions must answer sequentially.]

Solve: 
$$y - x \frac{dy}{dx} = a(y^2 + \frac{dy}{dx})$$

Solve:  $x^2 + x^2 \frac{dy}{dx} = xy \frac{dy}{dx}$ 



## CSE SECOND YEAR THIRDSEMESTER MID TERM EXAMINATION-1, 2019

(Fundamental of Business Studies) Subject Code: 520207

Time----- 1.30 hours

Mid term Examination -1

Full Marks---30

[N.B. ---- The figures in the right margin indicate full marks. Answer any two questions from Section A and any two questions from Section B.]

2. a) What is Business?  What are the characteristics of business  2. a) What is entrepreneur.?		Section A (Short Question)  (Answer any two questions $5 \times 2 = 10$ )	•
b) What are the characteristics of entrepreneur? Briefly discuss it.  3. a) What is Management? b) Write down the importance of management. Briefly discuss it.  4. a) Define motivation. b. Define Small business.  Section B (Broad Question) (Answer any two questions, 2 X 10=20)  5. a. What is the formation of sole proprietorship business? b. Define business law. 6. Do you think that motivation is the important tools increasing production? Discuss it  7. Define franchising. Write down the characteristics of franchising.	1	Ma) What is Business?	3 7
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		<ul><li>7. Define franchising. Write down the characteristics of franchising.</li><li>8. Define environment of business. Write down the social responsibility of business</li></ul>	

Good Luck

Batch 10