University Visvesvaraya College of Engineering, Bangalore.

Department of Computer Science and Engineering

1st Internal Assessment - December 2021

Class: 7th ISE **Subject: Block Chain Technology**

1. Define block chain. Explain layers and structure of block chain? **6M**
2. What is bit coin? With neat diagram explain the block structure of bit coin block chain. **7M**

OR

3. Explain the following. A) difficulty target B) genesis block C) bit coin block **7M**
4. What is etherium and explain design philosophy of etherium ? **7M**

OR

5. Explain the etherium block chain structure.. **7M**

CLOUD COMPUTING(18CIPE75A) First Internal Question Paper

VII Semester B. TECH, (ISE) December- 2021(CBCS Scheme)

Time: 1 Hour **Max. Marks**: 20

3. Define Cloud Computing. What are the characteristics of Cloud Computing? **(8)**

   Or

   Explain the different types of service models of Cloud Computing with examples.

4. Answer any 3 question of the following: **(3*4=12)**

   e. What is Cloud Business Process Management[BPM]? List the BPM opportunities.

   f. Write short notes on Computing on Demand(COD) and its advantages.

   g. With a neat diagram explain Information Lifecycle Management(ILM) and List its objectives.

   h. Explain Virtual Desktop Infrastructure of cloud offerings.

1. Define machine learning. Illustrate Find S algorithm over the Enjoy Sport training instances given. (7)

Example	Sky	AirTemp	Humidity	Wind	Water	Forecast	EnjoySport
1	Sunny	Warm	Normal	Strong	Warm	Same	Yes
2	Sunny	Warm	High	Strong	Warm	Same	Yes
3	Rainy	Cold	High	Strong	Warm	Change	No
4	Sunny	Warm	High	Strong	Cool	Change	Yes

2. Describe ID3 algorithm. Calculate entropy and information gain of A1 and A2 for the following dataset. (7)

Instance	Classification	A1	A2
7.	+	T	T
8.	+	T	T
9.	-	T	F
10.	+	F	F
11.	-	F	T
12.	-	F	T

3. What is linearly seperable and linearly inseparable problem. Design a network of perceptron to implement X AND Y.

OR

Write the Back propagation algorithm for feed forward network with two layers of Sigmoid units. (6)