Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

III SEMESTER

BCA

Java Programming

Marks: 5X5=25

Answer all the question:

1. a. What are the different types of operators in java?

   (Or)
   b. How do you declare a constant variable in java?

2. a. What is a two- way branching statement?
   (Or)

   b. What is a vector in java with an example?

3. a. How many types of inheritance are there in java? Explain with pogroms.

   (Or)
   b. What are java API packages?

4. a. Can we throw exceptions manually? explain briefly

   (Or)
   b. What is applet programming in java?

5. a. Briefly explain about files in java.

   (Or)
   b. What is GUI programming in java?

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

Computer Based Financial Accounting

Answer all the Question: **Marks: 5X5=25**

1) a. Difference between Book Keeping and Accounting

(Or)

   b. Briefly explain about accounting concepts with suitable examples.

2) a. Explain the objectives and Limitations of Trial Balance

(Or)

   b. Define cash Book. Explain the types of Cash Book with suitable examples.

3) a.The following balances are extracted from the books of Nikhil& Co.on31st March,2002. You are required to make the necessary closing entries and to prepare the Trading and Profit and Loss Account and a Balance Sheet son that date:

	Rs.		Rs.
Opening Stock	500	Commission (Cr.)	200
B/R	2,250	Returns Outwards	250
Purchases	19,500	Trade Expenses	100
Wages	1,400	Office Fixtures	500
Insurance	550	Cash in Hand	250
Sundry Debtors	15,000	Cash at Bank	2,375
Carriage Inwards	400	Rent & Taxes	550
Commission (Dr.)	400	Carriage Outwards	725
Interest on Capital	350	Sales	25,000
Stationary	225	Bills Payable	1,500
Returns Inwards	650	Creditors	9,825
		Capital	8,950

The Closing Stock was valued at Rs. 12,500.

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

(Or)

b. Difference between Trading Account and Manufacturing Accounts.

4) a. List down the features in Tally 9

(Or)

b. Explain the elements of the Gateway of Tally screen.

5) a. Define Voucher. Explain the types of Voucher

(Or)

b. Draw the voucher creation screen and explain it.

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

MCA

Data communication and Computer networks

Marks: 5X5=25

Answer all the question:

1) a. What is data communication & network?

(Or)

b. What is the component of data communication?

2) a. What are the advantages of wireless transmission?

(Or)

b. What is data definition language (DDL)?

3) a. Write briefly Routing algorithms?

(Or)

b. Explain about IP protocol?

4) a. Discuss about Hypertext Transfer Protocol?

(Or)

b. List out application layer?

5) a. Discuss about symmetric key cryptography?

(Or)

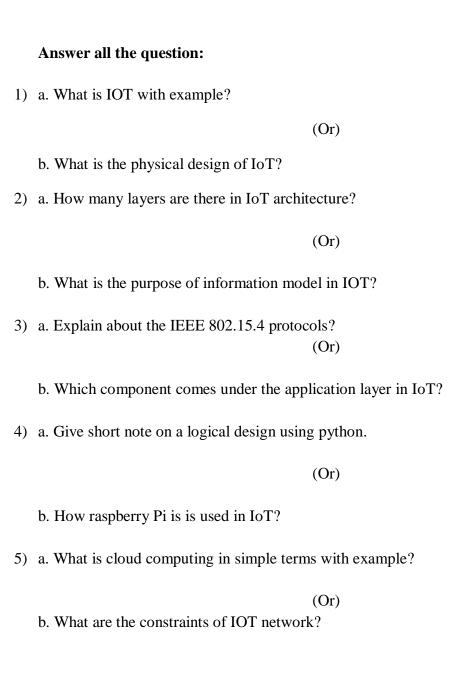b. What is meant by digital signature key management?

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

Internet of things

Marks: 5X5=25

Answer all the question:

1) a. What is IOT with example?

(Or)

b. What is the physical design of IoT?

2) a. How many layers are there in IoT architecture?

(Or)

b. What is the purpose of information model in IOT?

3) a. Explain about the IEEE 802.15.4 protocols?

(Or)

b. Which component comes under the application layer in IoT?

4) a. Give short note on a logical design using python.

(Or)

b. How raspberry Pi is is used in IoT?

5) a. What is cloud computing in simple terms with example?

(Or)

b. What are the constraints of IOT network?

Madurai Kamaraj University

Directorate of Distance Education

Department of Computer Science

ASSIGNMENT

Data warehousing and mining

Marks: 5X5=25

Answer all the question:

1) a. What is data mining? What kinds of data can be mined?

(Or)

   b. Explain about the measuring data similarity and dissimilarity.

2) a. What is data processing explain with a diagram?

(Or)

   b. What are the design prosperities of online analytical processing?

3) a. What is meant by patterns in data mining?

(Or)

   b. How do you write a road map? With examples.

4) a. What are the rules that govern decision trees?

(Or)

   b. List out the model evaluation and selections.

5) a. Write short notes on cluster analysis?
   (Or)
   b. Discuss an evaluation of clustering.