



मैट्स विश्वविद्यालय मुक्त एवं दूरवर्ती शिक्षा कार्यक्रम आरंग, रायपुर (छ0ग0)

MATS UNIVERSITY OPEN & DISTANCE LEARNING CENTRE ARANG, RAIPUR (C.G.)

सत्रीय कार्य / Assignment Work – 2014-15

BSc (IT) FINAL YEAR

Max Marks – 30

Min Marks-12

निर्देश : सत्रीय कार्य के प्रत्येक विषय में कुल 30 अंक हैं। सभी प्रश्नों के अंक समान होंगे। सभी प्रश्न हल कीजिए।
(Assignment Work of each paper carries 30 Marks. All questions carry equal marks. Attempt all questions.)

Computer Network-I

1. What is client/server network? What are its advantages & disadvantages?
2. Write short note on:
(a) Asynchronous Transmission. (b) Synchronous Transmission
3. Define the term LAN, WAN and MAN.
4. Write a note on ATM. Explain the ATM reference model.
5. What are the different types of Firewalls?

Multimedia Systems-II

1. Write five advantages and disadvantages of LCD.
2. What are importance of graphics in Web designing? Explain.
3. What are differences between mono and stereo sound? Explain.
4. What are Monophonic and Stereophonic Sound system? Explain.
5. What is animation? Explain the 2D and 3D animation.

Algorithms And Data Structure- III

1. Explain Big-Oh notation with an example.
2. Describe Stack and write algorithms for push & pop operations.
3. What do you mean by binary tree? Explain giving an example.
4. Explain the following terms:
(a) Graph (b) Directed Graph (c) Simple path (d) Sub graph
5. Write the algorithm of heap sort? Define hash table?

Computer Graphics - IV

1. What is Computer Graphics? Write a short note on Input Devices.
2. Define vector generation? Explain the basic concept in line drawing.
3. What is polygon? Explain different types of polygons.
4. Write short notes on:
(a) Reflection (b) Shearing transformation.
5. Explain the true curve generation algorithm.

Management Information System -V

1. Write short notes on following:
(a) Expert System (b) Management Information System
1. What is information? Why information is needed?
2. Write down features of planning. Explain objectives of planning
3. Write a note on importance of controlling. Explain limitations of controlling.
4. Differentiate between hardware and software suppliers.

Computer Organization and Architecture - VI

1. Describe various types of microprocessors.
2. Write short notes on Integer and Floating-point representation with suitable examples.
3. Describe briefly about the BCD Code.
4. Explain various laws of Boolean Algebra.
5. What is cache memory? Describe RAM, ROM and RAM.