



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**

**MCA (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.)

**Internet Technology & Web Application - I**

1. What do you mean by Internet? Describe the evolution of the Internet.
2. What is packet switching technology? Explain circuit switching.
3. What do you mean by fine Transfer Protocol? Explain public and private ftp services.
4. What do Meta Search Engines do? Name a few meta search engines.
5. What is Firefox? Write important features of Firefox.

**Operation Research - II**

1. Trace the history of Operations Research.
2. Explain Linear Programming Models.
3. Explain the methodology of Johnson and method to solve sequencing problem.
4. Write the Classifications of Decisions theory.
5. What is a decision? Differentiate between programmed and non- programmed decision.

**Digital Logic - III**

1. What is a floating point number? What are the advantages of it?
2. What is the standard form of a Boolean function?
3. Write the logic symbols of NAND/NOR gates and develop its truth table.
4. What is a decoder? Draw and explain the working of a 3-to-8 decoder.
5. Explain ROM family. How it is classified?

**Communication Skill - IV**

1. Define communication. Classify its meaning nature.
2. Write a note on forms of communication motivation.
3. Explain types of communication channels.
4. What – meant by tools for effective communication.
5. Define types of small groups.

**Formal Language and Automata - V**

1. State and explain Pigeon-hole principle with an example.
2. Give examples for regular expressions.
3. Give an example of a CFG.
4. State the properties of Context free languages.
5. Define the term 'move' in a TM.

**Computer Organization and Architecture - VI**

1. Define Computer organization and architecture.
2. Write short notes on Integer and Floating –point representation with suitable examples.
3. Describe briefly on EBCDIC Code.
4. Explain the method of constructing Karnaugh maps.
5. Write a program in assembly language to find maximum in a given series of data.

**Management Information System - VII**

1. How can you relate MIS with Information resource management?
2. Explain the meaning of term system development life cycle.
3. Explain levels of planning.
4. Explain various phase of design process.
5. Explain the concept of post implementation review.

**Linux System Administration - VIII**

1. What is Network Bonding ? Explain.
2. Write on setting up a Linux multifunction server.
3. Explain with Configuring an Authoritative DNS Server.
4. Explain the Apache Configuration Files.
5. Explain the Providing Static IP Address.

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