Fundamental
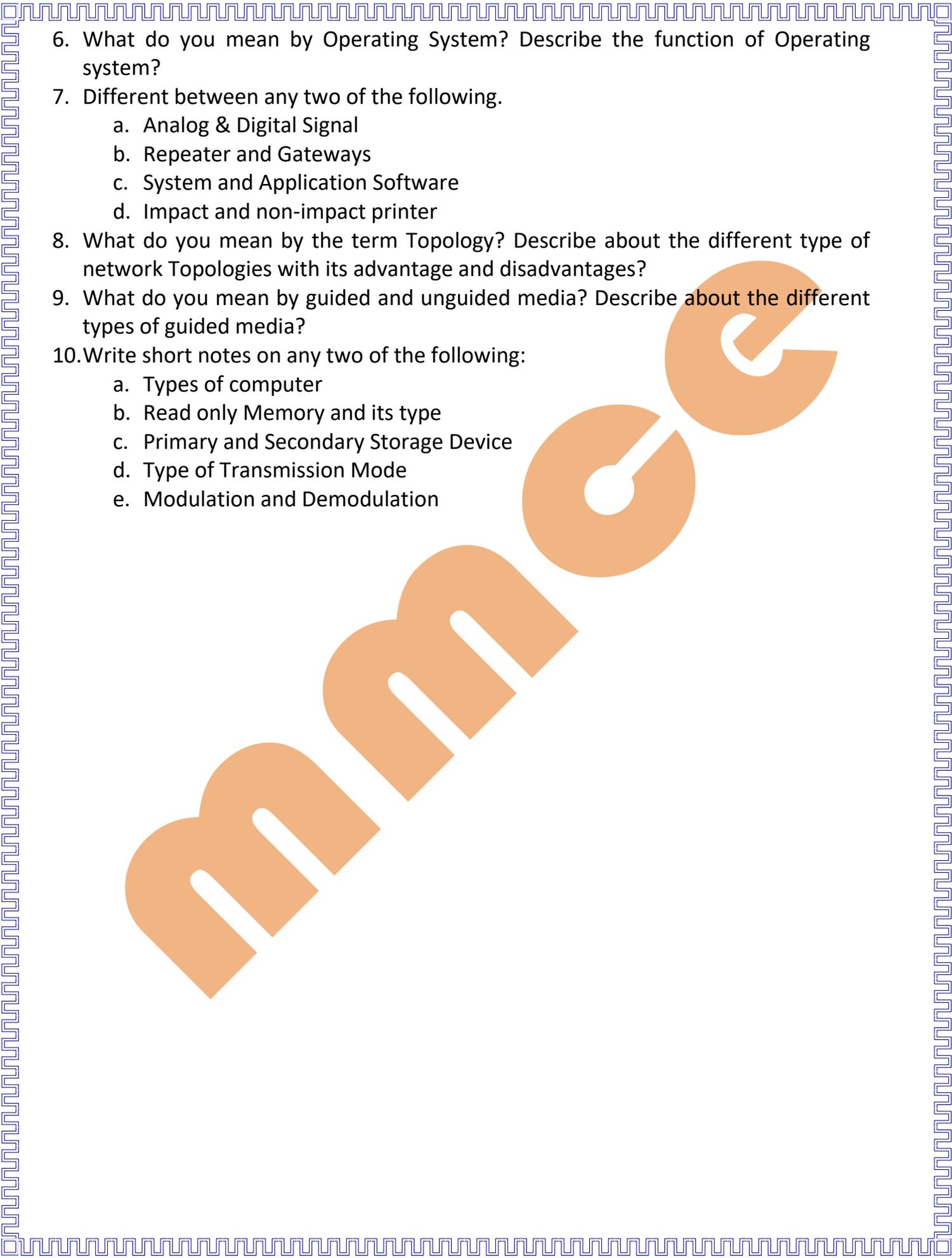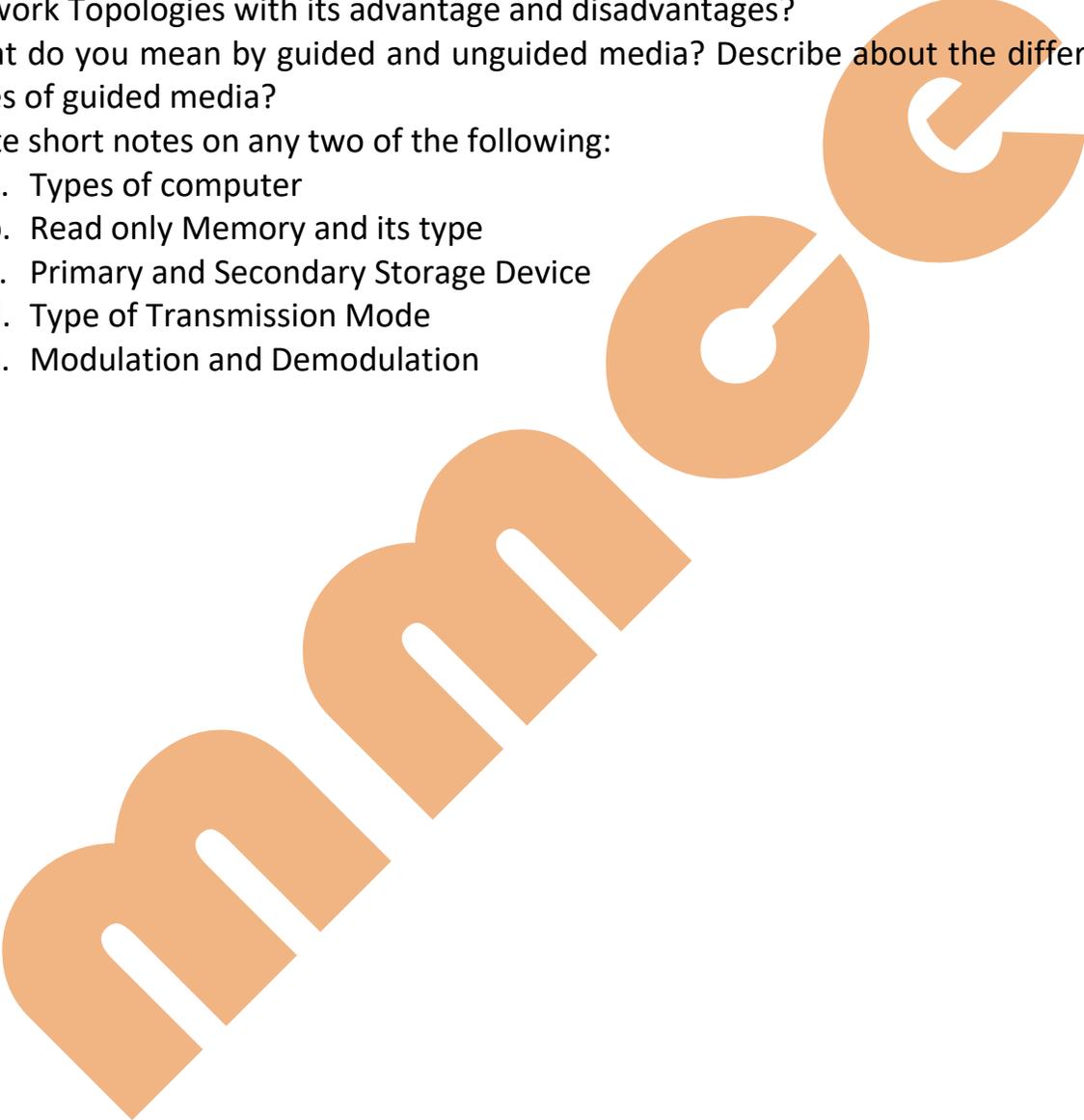
2014-17
Answer any five questions in which question No-1 is compulsory.

1. Choose the correct answer from the following:
   a. Speedometer is an example of
      i. Analog computer
      ii. Digital computer
      iii. Hybrid computer
      iv. None of these
   b. Linkage between the CPU and the users is provided by
      i. Storage
      ii. Control Unit
      iii. Peripheral Device
      iv. Software
   c. Which memory is non-volatile and may be written only once.
      i. ROM   ii. PROM   iii. EPROM   iv. EEPROM
   d. The silicon chip used for data processing is called
      i. RAM Chips
      ii. ROM Chips
      iii. Microprocessor
      iv. PROM
   e. Mouse, trackball and joystick is an example of
      i. Scanning Device
      ii. Multimedia device
      iii. Thermal pointer
      iv. Pointing Device
   f. Which is an example of impact printer?
      i. Laser Printer
      ii. Inkjet Printer
      iii. Thermal printer
      iv. Drum printer
   g. A Central processing Unit consists of
      i. ALU
      ii. CU
      iii. Memory Unit
      iv. All of the above
   h. Which of the following device can be used to directly Input Printed Text?
      i. OCR
      ii. OMR

       iii. MICR

       iv. ALL of the above

i. Data is encoded in 4-Bit units such a Unit is called

       i. Bit

       ii. Byte

       iii. Nibble

       iv. Word

j. Which one of the GUI based Operating system?

       i. Window x

       ii. MS DOS

       iii. Novel Netware

       iv. None of these

k. Which Communication Channels have faster data transfer rate?

       i. Twisted pair wire

       ii. Co-axial Cable

       iii. Fiber Optic

       iv. None of these

l. Which if the Topologies is highly reliable?

       i. Star Topology

       ii. Ring Topology

       iii. Mesh Topology

       iv. None of these

m. Typical data transfer rate in LAN are of the order of

       i. Bit/Sec

       ii. Kilobits/sec

       iii. Megabits/sec

       iv. None of these

n. What is the name given to all the program inside the computer which makes it usable.

       i. Application software

       ii. System software

       iii. Firmware

       iv. Shareware

2. What is Computer? How it works? Explain about the different generation of computer?

3. What is role of Input / Output unit of the computer? Discuss about the different types of printer.

4. What do you mean by Central Processing unit? Explain about the different units of CPU?

5. What do you mean by the term Hardware and Software? Explain about the different types of software?

6. What do you mean by Operating System? Describe the function of Operating system?
7. Different between any two of the following.
    a. Analog & Digital Signal
    b. Repeater and Gateways
    c. System and Application Software
    d. Impact and non-impact printer
8. What do you mean by the term Topology? Describe about the different type of network Topologies with its advantage and disadvantages?
9. What do you mean by guided and unguided media? Describe about the different types of guided media?
10. Write short notes on any two of the following:
    a. Types of computer
    b. Read only Memory and its type
    c. Primary and Secondary Storage Device
    d. Type of Transmission Mode
    e. Modulation and Demodulation