



QP CODE: 24802103



Reg No :

Name :

I.M.C.A DEGREE EXAMINATION, MARCH 2024

First Semester

Faculty of Technology and Applied Sciences

I M C A

CORE - IMCA1C04 - INTRODUCTION TO COMPUTER & PC HARDWARE

2020 ADMISSION ONWARDS

CB757947

Time: 3 Hours

Maximum: 75 Marks

Part A

*Answer any **ten** questions*

*Each question carries **3** marks*

1. Explain the advantage of second generation over third generation?
2. Make a comparison between a Mouse & Trackball?
3. Distinguish between Mainframe and Miniframe Computers?
4. Why do we need a Front-Side bus and Back-Side bus in our CPU? Draw the block diagram of CPU containing the same?
5. Discuss the features of PROM and EPROM in short.
6. Distinguish between DIPP & SIPP.
7. What Is The Purpose Of Bios In A System?
8. Discuss the role of bus in a computer system.
9. What is meant by internal data rate?
10. With neat diagram write note on 1:1 interleaving.
11. What is a BIOS?
12. Write down the uses of zip drive.

(10×3=30 marks)





Part B

Answer *all* questions

Each question carries 9 marks

13. a) Explain Analogue Computers, Digital Computers and Hybrid Computers in detail?
OR
- b) Explain in detail about Mainframe Computers , MicroComputers and Supercomputers?
Which one among the following is best suited for our personal use and why?
14. a) Why do we need Registers in the system? Discuss different types of registers and their purpose with a neat diagram?
OR
- b) Discuss in detail about SRAM and DRAM with its advantages and disadvantages.
15. a) Discuss in detail about the primary and secondary memory units in the system.
OR
- b) What is an operating system? Explain in detail about the factors affecting the performance of the operating systems.
16. a) With neat diagram explain Cylinder skew.
OR
- b) Explain the concept of head, track and cylinder in disk geometry.
17. a) Explain different components of Motherboard.
OR
- b) Explain the installation of processor, Harddisk , RAM,cards and cables on the motherboard.

(5×9=45 marks)

