

SECTION-C

No. of Printed Pages : 4

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Roll No.

Note: Long answer type questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 Explain briefly the following terms:-

- a) Operating System b) Cloud computing
- c) OOPS e) Cache Memory

Q.20 How does computer help in education and research processes.

Level 4 / 1st. Sem. / DVOC**Graphics & Multimedia****Subject : IT Foundations & Programming Concept**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory (10x1=10)

Q.1 What is smallest unit of the information?

- a) bit
- b) byte
- c) block
- d) nibble

Q.2 What is the decimal equivalent of the binary number 10111

- a) 21
- b) 39
- c) 42
- d) 23

Q.3 Which of the following is equal to a gigabyte?

- a) 1024 bytes
- b) 512 GB
- c) 1024 megabytes
- d) 1025 bits

Q.4 What is the full form of DRAM?

- a) Dynamic Remote Access Memory
- b) Dynamic Random-Access Memory

SECTION-B

Note: Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Explain various components of counter system.

Q.12 Explain various input and output devices.

Q.13 Give difference between Primary memory and Secondary memory.

Q.14 Write five basic operations performed by the computer.

Q.15 Distinguish between system software and application software.

Q.16 Discuss various features of C++ Language.

Q.17 Explain various functions of Operating System.

Q.18 Write a short note on

 1. Bluetooth Technology
 2. Utility programs