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KADI SARVA VISHWAVIDYALAYA
LDRP INSTITUTE OF TECHNOLOGY & RESEARCH, GANDHINAGAR

B.E. 2nd SEMESTER MID EXAMINATION MAY-2023

Date: 16/05/2023	Branch : ALL
Subject Name & Code: INTRODUCTION TO INFORMATION & COMMUNICATION TECHNOLOGY (UE 102)	Semester : 2
Time : 01:30PM TO 03:00PM	Max. Marks: 30

Instructions:

- 1) All questions are **compulsory**.
- 2) Figures to the **right** indicate full marks.
- 3) Use of scientific calculator is permitted.
- 4) Indicate **clearly**, the options you attempt along with its respective question number.
- 5) Use the last page of main supplementary for **rough work**.

Marks

- Q.1 (A) Explain various component of computer system. [5]
(B) Explain different types of resistor. [5]

- Q.2 (A) Explain BUS Topology. [5]
(B) Differentiate the POP3 mail and IMAP mail account. [5]

OR

- Q-2 (A) Explain hacking in details. [5]
(B) Draw the chart of classification of modulation systems. [5]

- Q.3 (A) Differentiate analog signal and Digital signal. [5]
(B) Define the Operating System. List and explain all types of operating system. [5]

OR

- Q-3 (A) Explain basic communication system block diagram. [5]
(B) Explain any one wired media. [5]

----- Best of Luck-----

KADI SARVA VISHWAVIDHYALAYA
BE SEMESTER II EXAMINATION July-2022

Sub code: UE-102

Sub Name: Introduction To Information &
Communication Technology

Date: 06/07/2022

Time: 10:30 AM to 01:30 PM

Total Marks: 70

Instructions:

1. Answer Each Section in Separate Answer sheet.
 2. Use of Scientific Calculator is permitted.
 3. All questions are compulsory.
 4. Indicate clearly, the options you attempted along with its respective question number.
 5. Use the last page of supplementary for rough work.
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SECTION I

Q.1 (a) Draw and Explain the chart of types of Resistors. [05]

(b) Explain the comparison between analog and digital signal. [05]

(c) Explain block diagram of the basic communication system. [05]

OR

(c) Explain Amplitude Modulation (AM) in detail. [05]

Q.2 (a) Write down a short note about Twisted Pair cable. [05]

(b) Explain the chart of classification of capacitor. [05]

OR

Q.2 (a) Explain GSM system architecture in detail. [05]

(b) Explain operation of P-N-P transistor. [05]

Q-3 (a) Write down short note on the optical fiber. [05]

(b) Define any five terms from Following List: [05]
Inductor, Diode, GPRS, Electromagnetic spectrum, Modulation,
Communication system, FM.

OR

Q-3 (a) Explain any one Wireless Media. [05]

(b) Explain CDMA in detail. [05]

SECTION II

- Q.4 (a) Explain block diagram of computer system. [05]
(b) Explain any two networking devices. [05]
(c) Differentiate the POP3 and IMAP mail account. [05]

OR

- (c) Define any five terms from following list: [05]
Spread sheet, worksheet, cell, virus, plagiarism, copyright, Trademark.

- Q.5 (a) Define the operating system. List and explain all types of operating system. [05]
(b) Explain Ring Topology. [05]

OR

- Q.5 (a) Explain disadvantage of ICT. [05]
(b) Briefly explain Ethics and Etiquettes of internet usage. [05]

- Q-6 (a) Explain 'hacking' in detail [05]
(b) Explain the use of ICT in Industry and smart city. [05]

OR

- Q-6(a) Explain Bus Topology. [05]
(b) Write a note on Wifi and BlueTooth. [05]
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**KADI SARVA VISHWAVIDYALAYA
LDRP INSTITUTE OF TECHNOLOGY & RESEARCH, GANDHINAGAR**

B.E. 2nd SEM MID-SEMESTER EXAMINATION MAY- 2022

Date : 31/05/2022

Subject Name & Code: INTRODUCTION TO INFORMATION & COMMUNICATION TECHNOLOGY (UE 102)

Branch : ALL

Semester : 2

Time : 09:30 AM TO 11:00 AM

Max. Marks: 30

Instructions:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is permitted.
- 4) Indicate clearly, the options you attempt along with its respective question number.
- 5) Use the last page of main supplementary for rough work.

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|-----|---|------------------|
| Q.1 | (A) List Various Input Devices, output devices and Storage Devices. | Ma
rks
[5] |
| | (B) Draw symbol of Resistor, capacitor, PN junction Diode, inductor, PNP transistor. | [5] |
| | | |
| Q.2 | (A) Explain forward biasing and reverse biasing operation of diode with V-I characteristic. | [5] |
| | (B) Draw the chart of classification of capacitor and Explain it. | [5] |
| OR | | |
| Q-2 | (A) Explain block diagram of Basic communication system. | [5] |
| | (B) Write short note on coaxial cable. | [5] |
| | | |
| Q.3 | (A) What is network? Explain types of networks. | [5] |
| | (B) List and explain different types of social networks. | [5] |
| OR | | |
| Q-3 | (A) Explain any two networking devices. | [5] |
| | (B) Explain Bus Topology. | [5] |