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Course: Diploma, Program: German Language/ English Language
Subject: Fundamental of Computers, Code: CSE-501
Semester: I

Time: 03 Hours**Max Marks: 35****Instructions to the Students:**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of short answer type. All questions are compulsory. Each question carries 01 marks.
3. Section B comprises 8 long answer type questions out of which students must attempt any 5. Each question carries 05 marks.
4. Do not write anything on the question paper.

Q.No.	SECTION –A (SHORT ANSWER TYPE QUESTIONS)	Marks
1. a.	What is a spreadsheet?	(1)
b.	3 bytes are equivalent to bits.	(1)
c.	Give any two applications of computer.	(1)
d.	Define search engines. Give the name of any two popular search engines in use	(1)
e.	State full forms of RAM and ROM.	(1)
f.	Define cell in the excel software.	(1)
g.	Distinguish between application software and system software.	(1)
h.	What is multi-processing operating system.	(1)
i.	What are the types of memory in computer system?	(1)
j.	Define internet.	(1)

SECTION –B (LONG ANSWER TYPE QUESTIONS)

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|----|-----------------------------|-----|
| 2. | Convert the following: | (5) |
| | a. $(67)_{10}$ to binary. | |
| | b. $(61)_8$ to hexadecimal. | |
| | c. $(100011)_2$ to octal. | |
| | d. $(B7)_{10}$ to decimal. | |
| | e. $(A43)_{16}$ to octal. | |

3. Define Operating System. Explain the responsibilities of Operating System. (5)
4. Differentiate between DOS and Windows. (5)
5. Elaborate the steps to create mail merge. (5)
6. Explain the following in brief. (5)
 - a. Firewalls
 - b. Router and Repeater
7. Discuss the process of planning and developing the websites. (5)
8. What is Network topology? Discuss types of network topologies. (5)
9. Sketch the block diagram of computer system and explain the basic components. (5)

===END OF PAPER===