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BCA
(SEM I) THEORY EXAMINATION 2025-26
FUNDAMENTALS OF COMPUTER

TIME: 3 HRS**M.MARKS: 70**

Note: Attempt all Sections. In case of any missing data; choose suitably.

SECTION A**1. Attempt all questions in brief.****02 x 7 = 14**

Q no.	Question	CO	Level
a.	What is a computer? Write any two uses of a computer.	1	K1
b.	Name any two input devices and any two output devices.	1	K1
c.	What is primary memory? Give one example.	2	K1
d.	Convert 1010 (binary) to decimal.	3	K2
e.	Explain the role of an operating system in managing computer hardware and software resources.	4	K1
f.	Write the full form of WWW and FTP.	5	K1
g.	Define multimedia. Give one example.	5	K1

SECTION B**2. Attempt any three of the following:****07 x 3 = 21**

Q no.	Question	CO	Level
a.	Explain any three characteristics of a computer.	1	K2
b.	Write a short note on primary memory and secondary memory.	2	K2
c.	Explain binary, decimal, and octal number systems with simple examples.	3	K2
d.	What is an operating system? Explain any two types of operating systems.	4	K2
e.	Write short notes on Email, Search Engine, and Web Browser.	5	K2

SECTION C**3. Attempt any one part of the following:****07 x 1 = 07**

Q no.	Question	CO	Level
a.	Explain input devices like keyboard, mouse, and scanner in simple words.	1	K2
b.	What is software? Explain system software and application software with easy examples.	1	K2

4. Attempt any one part of the following:**07 x 1 = 07**

Q no.	Question	CO	Level
a.	Explain magnetic disk and optical disk with diagrams or simple examples.	2	K2
b.	What is a programming language? Explain compiler and interpreter in simple words.	2	K2



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TIME: 3 HRS**M.MARKS: 70****5. Attempt any one part of the following:****07 x 1 = 07**

Q no.	Question	CO	Level
a.	Convert the following: (i) 25 (decimal) → binary (ii) 1110 (binary) → decimal	3	K2
b.	Write short notes on ASCII and Unicode.	3	K2

6. Attempt any one part of the following:**07 x 1 = 07**

Q no.	Question	CO	Level
a.	What is a computer network? Explain LAN and WAN in easy language.	4	K2
b.	Explain any three network topologies (bus, star, ring) with easy diagrams.	4	K2

7. Attempt any one part of the following:**07 x 1 = 07**

Q no.	Question	CO	Level
a.	What is the Internet? Explain any four uses of the Internet.	5	K2
b.	Explain any three components of multimedia (text, image, audio).	5	K2

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