PAPER ID-311159

Subject Code: KCA101

Roll No: | | | | | | | | | | | | | |

MCA

(SEM I) THEORY EXAMINATION 2023-24

FUNDAMENTAL OF COMPUTERS & EMERGING TECHNOLOGIES

TIME: 3HRS **M.MARKS: 100**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **2 x 10 = 20**

Q no.	Question
a.	What do you mean by Hardware?
b.	Explain Primary Memory.
c.	Define topology.
d.	Describe computer network.
e.	Explain email with example.
f.	What do you mean by FTP?
g.	Define AWS.
h.	Describe IBM services.
i.	Explain Emerging technology.
j.	What is big data analytics?

SECTION B

2. Attempt any *three* of the following: **10x3=30**

a.	What do you mean by Algorithm with its characteristics and limitations?
b.	How command based is different from GUI based operating system.
c.	Explain any three web browsers with its features.
d.	Describe Crypto currencies with application.
e.	Differentiate between Green computing Vs Grid computing.

SECTION C

3. Attempt any *one* part of the following: **10x1=10**

a.	Explain Pseudo Code. Write Pseudo code for computing largest of two numbers.
b.	Write short note on Compiler and Interpreter.

4. Attempt any *one* part of the following: **10x1=10**

a.	Explain operating system with its various functions.
b.	Differentiate LAN , MAN and WAN.

5. Attempt any *one* part of the following: **10x1=10**

a.	Explain sensors with its types in detail.
b.	How IOT is different from Industrial IOT.

6. Attempt any *one* part of the following: **10x1=10**

a.	Explain block chain with features and limitations.
b.	Describe cloud computing and their benefits.

7. Attempt any *one* part of the following: **10x1=10**

a.	Explain Virtual Reality with example.
b.	Describe Quantum Computing in detail.

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