

Total No. of Questions: 6

Total No. of Printed Pages:3

Enrollment No.....



Faculty of Engineering / Science

End Sem Examination Dec-2023

CA3CO03 Computer Fundamentals

Programme: BCA / BCA - Branch/Specialisation: Computer
MCA (Integrated) Application

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

- Q.1 i. This is processed information that comes out of a computer system. **1**
(a) Input (b) Process
(c) Feedback (d) Output
- ii. All of the following are examples of storage devices except: **1**
(a) Hard disk drives (b) Printers
(c) USB drive (d) DVD drives
- iii. Which one of the following errors will be handle by the operating system? **1**
(a) Lack of paper in printer
(b) Connection failure in the network
(c) Power failure
(d) All of these
- iv. Which of the following devices forwards packets between networks by processing the routing information included in the packet? **1**
(a) Firewall (b) Router
(c) Hub (d) Bridge
- v. A computer _____ is a malicious code which self-replicates by copying itself to other programs. **1**
(a) Program (b) Virus
(c) Application (d) Worm

[2]

- vi. A computer program that copies itself to other computers across the internet is called- **1**
 (a) Computer virus (b) Worms
 (c) Program Virus (d) Trojan Horses
- vii. In which of the following formats data is stored in the database management system? **1**
 (a) Image (b) Text (c) Table (d) Graph
- viii. Which of the following is not an example of DBMS? **1**
 (a) MySQL (b) Microsoft Access
 (c) IBM DB2 (d) Google
- ix. Who is the father of cloud computing? **1**
 (a) Sharon B. Codd (b) Edgar Frank Codd
 (c) J.C.R. Licklider (d) Charles Bachman
- x. Which of the following is not a type of cloud server? **1**
 (a) Public Cloud Servers (b) Private Cloud Servers
 (c) Dedicated Cloud Servers (d) Merged Cloud Servers
- Q.2 i. What is data Processing? **2**
 ii. What are I/O devices in computer? **3**
 iii. What is Memory? Explain its types. **5**
- OR iv. Elaborate hardware & software of computer along with its types. **5**
- Q.3 i. What is internet & WWW? **2**
 ii. Explain operating system with its classification. **8**
- OR iii. What are different communication channels used in computer network? Brief about the factors affecting communication among devices. **8**
- Q.4 i. What is money laundering and E-mail spoofing? **3**
 ii. Brief about different types of viruses & worms in computers. **7**
- OR iii. Discuss about computer ethics & good practices of Internet. **7**
- Q.5 i. Brief about DBA with its role. **4**
 ii. Write difference between Database approach & File oriented approach. **6**
- OR iii. Explain different Database models. **6**

[3]

- Q.6 Attempt any two: **5**
- i. What is cloud computing? Discuss various advantages and disadvantages of cloud computing in detail. **5**
- ii. Explain different service delivery models in cloud with details. **5**
- iii. Explain different cloud deployment models in cloud with details. **5**

Marking Scheme

CA3CO03 (T)-Computer Fundamentals (T)

Q.1	i)	d) Output		1
	ii)	b) Printers		1
	iii)	d) All of the mentioned		1
	iv)	b) router		1
	v)	d) worm		1
	vi)	b) Worms		1
	vii)	c) Table		1
	viii)	d) Google		1
	ix)	c) J.C.R. Licklider		1
	x)	d) Merged Cloud Servers		1
Q.2	i.	Definition or brief introduction about Data processing		2
	ii.	Explain I/O Devices in short	1 Marks	3
		with example of each .	2 Marks.	
OR	iii.	What is Memory	1 Marks	5
		and its types	4 Marks	
	iv.	What is Hardware and Software	1Marks	5
Q.3	i.	Internet	1 Marks	2
		and WWW	1 Marks	
	ii.	What is OS	2 Marks	8
OR		and its classification	6 Marks	
	iii.	Different communication channels used in Computer Network	4 Marks	8
		Brief about the factors affecting communication among devices	4 Marks	
Q.4	i.	Money Laundering	1.5 Marks	3
		E-Mail spoofing	1.5 Marks	
	ii.	Different types of Virus	4 Marks	7
OR		Worms in computers	3 Marks	
	iii.	Computer ethics	3 Marks	7
		Good practices of Internet	4 Marks	

Q.5	i.	What is DBA	1 Marks	4
		and its role	3 Marks	
OR	ii.	6 difference between Database approach & File oriented approach	6 Marks	6
	iii.	Any 6 different Database models	6 Marks	6
Q.6	i.	What is cloud computing?	1 Marks	5
		Discuss various advantages	2 Marks	
		and disadvantages of cloud computing.	2 Marks	
	ii.	3 Service delivery models	(1+2+2) Marks	5
	iii.	5 Cloud Computing Deployment Model.		5
