

COMPUTER PAPER-9th –FLP

Time: 10 Min.

PAPER OBJECTIVE

Marks: 10

No.	Question	A	B	C	D
i	What is the primary function of a system?	To work independently	To create new systems	To achieve common goal	To provide entertainment
ii	How many bits are used in the standard ASCII encoding?	7 bits	8 bits	16 bits	32 bits
iii	Which logic gate outputs true only if both inputs are true?	OR gate	AND gate	XOR gate	NOT gate
iv	Which of these AI algorithms is considered an “Explainable” model?	Neural Networks	Decision Trees	Random Forest	Convolutional Neural Networks
v	What is the first step in the systematic process of troubleshooting?	Establish a theory of probable cause	Implement the solution	Identify problem	Document findings, outcomes
vi	Efficiency of an algorithm is measured in terms of?	Time complexity	Space Complexity	Cost Complexity	Both A & B
vii	Which of the following tag is used for paragraph?		<p>		
viii	What is data?	Processed information	Raw facts gathered about things	Collection of number only	A list of observed events
ix	Which device is used to connect multiple networks and direct data packets between them?	Switch	Hub	Router	Modem
x	What should you do to ensure data security?	Use same password for all accounts	Share password with friends	Use strong & unique password	Avoid using security measures

COMPUTER PAPER-9th –FLP

Time: 70 Min.

PAPER SUBJECTIVE

Marks: 40

SECTION I

Note: While writing answer write Question No. carefully.

Attempt all questions.

Q .2 Write the answer of the following short questions. (Any Four)

(4×2=8)

- 1) Define a system? What are its basic components?
- 2) What are the main components of Von-Neumann Architecture?
- 3) What is Von-Neumann Architecture bottleneck?
- 4) What is the key advantage of Von-Neumann Architecture?
- 5) Describe the function of NOT gate with its truth table and diagram?
- 6) Define the fourth 4th layer of OSI Model.

Q .3 Write the answer of the following short questions. (Any Four)

(4×2=08)

- 1) Differentiate between ASCII and Unicode?
- 2) Define How Negative integers represents in binary
- 3) What is the difference between system software and application software?
- 4) What is the purpose of <head> tag in HTML?
- 5) Explain purpose of Pseudo code.
- 6) Define the basic purpose of CSS.

Q .4 Write the answer of the following short questions. (Any Four)

(4x2=08)

1. Define Explainable Algorithm with an example.
2. Define the Term IoT.
3. Why we use 2FA in data security?
4. Define cloud services.
5. Write down the importance of Qualitative data?
6. What is E-mail marketing?

Section II

Note: Write the answer of the following questions. (Any Two).

(8x2=16)

Q.5 Explain the systematic process of troubleshooting. Describe each step in detail.

Q.6 Discuss the role of digital Technologies in Entrepreneurship. Explain with some examples.

Q.7 Explain Von Neumann architecture of computer. Include a discussion of the main components, their Functions and step by step how the architecture operates.