9th Computer Guess Paper 2025

These guess papers are prepared according to the new paper pattern 2025 issued by the board and based on SLOs.

Your exam paper will be divided as follows:

- **25% Conceptual**
- **75% Knowledge-Based**
- **25% Analytical + Application-Based**

S.No	Most Important Short Questions (Chapter # 1)
1	Define Flow Chart.
2	What is meant by a 'well-defined' problem?
3	Write down the names of any two symbols of a flow chart.
4	Describe the importance of a Flow Chart in problem-solving.
5	How is the efficiency of an algorithm measured?
6	What is the purpose of the "O" symbol in a flow chart?
7	Explain the truth table with an example.
8	What is problem analysis?
9	What is verification?
10	Write a note on the efficiency of an algorithm.
11	What is a candid solution?
12	What is the divide and conquer rule?
13	What are the strategies for defining a problem?
14	Make any two symbols of a Flow Chart with names.
15	Why do we use this symbol?
16	Write down the names of SWs.
17	Differentiate between flowchart and algorithm.
18	Describe valid test data.
19	Compare the advantages and disadvantages of an algorithm.
20	What is the use of a Terminal in a flowchart?
21	What is the use of the processing symbol in a flowchart?
22	Give an example of a wrong data format.
23	Which symbol of a flowchart will be used to represent the condition "n <= 5"?
24	Differentiate between input and output notations in an algorithm.
25	Write two advantages of an algorithm.
26	What is meant by the identification and correction of errors?
27	Why do we use the five "Ws"?
28	What is meant by an algorithm?
29	What is meant by the strategy "Use Guesstimating" in defining a problem?
30	What is the importance of testing?
31	Which solution saves our time?

32	State the importance of flowcharts in problem-solving.
33	How can we solve a problem?
34	What is the usage of symbols in a flowchart?
35	What is a prototype?
36	Draw four flowchart symbols.
37	What is the importance of testing?
38	Draw a flowchart to find the volume of a cube.
39	What is meant by an act-it-out strategy?
40	What is meant by absent data?
41	What is meant by understanding a problem?
42	Write two disadvantages of a flowchart.
43	What is meant by decision-making?
44	What is the Act it Out strategy?
45	Why is testing important in problem-solving?
46	Write a list of types of test data.
47	Describe selecting the best solution.

S.No	Most Important Short Questions (Chapter # 2)
1	Define ASCII code.
2	Convert $(11010)_2$ into Hexadecimal.
3	What is the difference between Bit and Byte?
4	Define number system.
5	Convert $(156)_{10}$ into Binary number system.
6	Write two examples of propositions.
7	Convert $(A23)_{16}$ into Binary number system.
8	Write two examples of secondary memory.
9	Define compound proposition.
10	How is data represented in computer memory?
11	Convert $(69610)_{10}$ into Hexadecimal number.
12	Prove A+B=B+A with a truth table.
13	What is meant by memory?
14	Draw the truth table for a compound proposition.
15	What is a byte?
16	What is the difference between primary memory and secondary memory?
17	Describe non-volatile memory.
18	Define the number system.
19	Convert $(1000001)_2$ into the decimal number system.
20	Differentiate between storage and memory.
21	Write the truth table for the AND operator.

22	What is a compound proposition? Give one example.
23	What is the difference between volatile and non-volatile memory?
24	What is meant by hypertext?
25	Convert $(C921)_{16}$ to decimal.
26	Make a truth table for the NOT operator.
27	Define the Binary Number System.
28	Convert $(156)_{10}$ into Binary.
29	Convert $(1000001)_2$ to the decimal number system.
30	Prepare a truth table for the OR operator.
31	Convert $(65)_{10}$ into the Binary number system.
32	Define non-volatile memory and give an example.
33	Compare volatile memory and non-volatile memory.
34	Write the full name of ASCII.
35	Convert $(AB)_{16}$ into the Binary number system.
36	Convert (65310) into the Binary number system.
37	What is the distribution law of Boolean algebra?
38	How is a statement considered as Boolean?
39	Write down the method to convert a decimal number into a binary number.
40	Prove that $X * Y = Y * X$ using Boolean algebra.
41	Make a truth table for the AND operator.
42	How can we convert a Hexadecimal number to a Binary number?

S.No	Most Important Short Questions (Chapter # 3)
1	What is meant by user communication?
2	What is meant by user communication?
3	What is the use of switch/hub?
4	Explain the concept of network topology.
5	Write a note on Bus Topology.
6	How many bits are there in a byte?
7	Define Memory.
8	What is meant by physical layer?
9	What is the use of communication system?
10	Where do we use Multi Point connection?
11	Describe application sharing.
12	What is the use of HTTP protocol?
13	Write names of any four storage devices.
14	Write names of layers of TCP/IP.
15	What is the purpose of the transport layer?
16	Differentiate between sender and receiver.

17	Describe the difference between Server system and Client system.
18	What is hypertext transfer protocol?
19	Define router.
20	Write one example of an IPv6 address.
21	What are the names of communication medium?
22	Determine two advantages of star topology.
23	Explain Transmission medium.
24	Define protocol.
25	Give four examples of storage devices.
26	What is meant by Hard disk loading?
27	Explain the process of routing.
28	How are computers connected in a computer network?
29	Define Tile sharing in your own words.
30	Which protocol do we use for e-mail?
31	What is meant by plug and play devices?
32	Define communication channel.
33	Write two characteristics of a good password.
34	What is meant by client?
35	Describe the difference between Static and Dynamic IP address.
36	How many layers are there in computer network models?
37	Write different types of transmission medium.
38	What is meant by message?
39	Define File Transport Protocol (FTP).
40	What is meant by receiver?
41	What is meant by transmission medium?
42	Write two differences between memory and storage.
43	What is the use of Transmission Medium?
44	Describe the purpose of Routing process.
45	Explain Routing on the Internet.
46	Define hardware sharing with an example.
47	How does a web server work?
48	What is the use of point-to-point connection?
49	Explain control information.
50	Define the data communication.
51	Compare the server and client system.
52	Describe the Network of Networks.
53	Define URL.
54	Explain the router.
55	Write the examples of IPv4 standard.
56	Define Multipoint-connection with an example.
57	What is meant by Application Sharing?
58	Define FTP Protocol.
59	What is meant by the Internet?
60	What is the use of a transmission medium?
61	What is meant by the Intermet (Internet)?

62	What is meant by a message?
63	What is meant by a web server?

S.No	Most Important Short Questions (Chapter # 4)
1	What is meant by online piracy?
2	Define sabotage.
3	Explain the ciphertext.
4	Write two issues related to data security.
5	Define the phishing attack.
6	What is meant by encryption?
7	Write the purpose of copyright law.
8	Write any two characteristics of phishing emails.
9	What is soft lifting?
10	What is meant by the "Key of Software" in piracy?
11	Explain fraud and misuse.
12	Write any two characteristics of a good password.
13	What is meant by counterfeiting?
14	What is hacking?
15	Describe the purpose of encryption.
16	Define copyright law.
17	How can we avoid transactional fraud?
18	Why is security necessary for data? Describe.
19	What is piracy? Give an example.
20	Define patent.
21	What is meant by copyright?
22	Write two types of software piracy.
23	What do you know about advance fee fraud?
24	What is meant by a software key in piracy?
25	Write the definition of absent data in your own words.
26	What is meant by phishing attack?
27	What is meant by data security?
28	What is meant by a fraudulent transaction?
29	What is meant by digital forgery?
30	What is meant by cybercrime?
31	What is the impact of software piracy?
32	How does encryption protect data?

S.No	**Most Important Short Questions (Chapter # 5)**
1	Describe the head section in a webpage.
2	Write a note on the Head Section.
3	Why is the border attribute added to an image?
4	ASCII stands for?
5	What is meant by making a table in HTML?
6	Write HTML code to make the word "Pakistan" bold.
7	Define the hyperlink.
8	Write the HTML code to change the font size.
9	Define the anchor tag.
10	State the definition list.
11	Which tag attribute is TEXT?
12	Describe the Web Page.
13	Differentiate between hypertext and markup language.
14	What is meant by heading and sub-heading?
15	What is a reason to add CAPTCHA on a website?
16	Which software is needed to create a webpage?
17	Write the basic text formatting tags in HTML.
18	What is meant by a hyperlink?
19	What is the method of creating a graphical webpage?
20	Write the method to create a list in HTML.
21	What is the purpose of the `<ul>` tag?
22	How is an ordered list created in HTML?
23	How is an unordered list created in HTML?
24	What is the function of the `<li>` tag in HTML?
25	Write the HTML code to make the word 'School' italic.
26	Write the code to insert two list items in a web page.
27	What is meant by attributes of tags in HTML?
28	Describe HTML in short.
29	Write the output of the following HTML code.
30	Define the Row span.
31	Compare volatile and non-volatile memory.
32	What is meant by hypertext?
33	Describe definition list.
34	Write HTML tag to create column in table.
35	Write the name of main parts of a web page.
36	What is meant by colspan?
37	Explain the difference between hyperlink and anchor.
38	Which tag is used for adding an image in HTML?
39	Define Rowspan.
40	Write tags to insert space in HTML.
41	What is meant by markup language?
42	Write the difference between paired tag and singular tag.
43	How do you create a hyperlink in HTML?

44	What is meant by hypertext?
45	Explain the concept of nested elements in HTML.
46	Write the HTML code/tag to make the word "Pakistan" italic.
44	HTML stands for what?
48	Write names of two attributes of the `<img>` tag.
49	What is meant by content formatting in HTML?
50	Write down the name of HTML tags.
51	Define the body section.
52	Show the difference between an ordered and unordered list.
53	Describe the nested list.
54	What is the purpose of HTML attributes?
55	Write the output of the following HTML code.
56	Write a tag to create a table in HTML.
57	What is the function of the `<li>` tag in HTML?
58	What is the purpose of the ` ` tag?
59	Explain the use of the `<ul>` tag.
60	Which tag is used to change the text color in HTML?
61	Write the name of HTML elements used for text formatting.
62	How is a list created in HTML?
63	Describe singular tags.
64	What is the purpose of the `<p>` tag?
65	State the Commutative Law.
66	How do you create a table in HTML?

MOST IMPORTANT LONG QUESTIONS

Question no # 5

S.No	Chapter # 1
1	Define flowchart and write its advantages and disadvantages.
2	Explain the formulation of an algorithm.
3	How does an algorithm play an important role in problem-solving?
4	What is test data? Write a note on three types of test data.

5	What is meant by defining a problem? Which strategies can be used to define a problem?
6	Draw a flowchart to find the area of a rectangle.
7	Define flowchart. Draw and describe different symbols of a flowchart.
8	Explain determining requirements for a flowchart.
9	Suppose a problem has multiple solutions. How would you choose the most efficient algorithm to solve it? Explain with an example.

Question no # 6

S.No	Chapter # 3
1	Explain any four components of a communication system.
2	What is network topology? Describe ring topology with a diagram.
3	Why do we need a computer network? Explain in detail (only four needs).
4	Differentiate between Star Topology and Ring Topology. Also, give two advantages of each topology.
5	Explain the protocol in the TCP/IP suite.
6	Write a note on different components of a communication system.
7	What is meant by star topology and how does it work?
8	Write a note on Star Topology and Mesh Topology.
9	What is router? Explain the process of routing with the help of example.
10	Write a note on any four in TCP/IP models

QUESTION NO. 7

S.No	Chapter # 4
1	Explain substitution cipher method with four examples.
2	Describe the importance of encryption in everyday life on the internet.
3	Write a note on the following: 1. Copyright 2. Sabotage.
4	Explain the types of cybercrime.
5	What is encryption? Explain its importance for everyday life on the internet.

6	Write the names of ethical issues related to data security and explain any three in detail.
7	Analyze the personal piracy and security concerns that arise with the use of a computational system.
8	Explain the types of piracy.
9	What is encryption? Explain the importance of encryption for everyday life on.
10	Describe DOS (Denial of Service) attack in detail.
11	State the purpose of password and write characteristics of good password.