

GREENLAWNS HIGH SCHOOL

FINAL EXAMINATION FOR THE ACADEMIC YEAR 2022-2023

COMPUTER SCIENCE

MARKS : 80

STD VIII

TIME : 1 ½ HRS

You will not be allowed to write during the first 10 minutes.

This time is to be spent in reading the question paper.

The time given at the head of this paper is the time allowed for writing the answers.

Q1. Write the following statements using correct usage of the operators (5)

- a. X is greater than equal to Y
- b. X is equal to Y
- c. X is less than Y and X is less than Z
- d. X is not equal to Z
- e. X is less than Y

Q2. Identify the mistakes in each of these lines and correct it (5)

- a. Float a=12.3;
- b. doubles b=15;
- c. String s= 'computer';
- d. cHar s= "8";
- e. Bollean a=true;

Q3. State with reasons why are the following variable names invalid. (5)

- a. book list
- b. 2ndTerm
- c. hash#
- d. long
- e. ?green

Q4. Fill in the blanks: (7)

- i. The practice of delivering computer services over the Internet is called _____.
- ii. The % sign is used to find the _____ of the two operands.

iii. The _____ operator will make the result false if the condition is true.

iv. A _____ converts digital signals to analog signals and vice versa.

v. _____ apps do not need web access and run independently on a computer.

vi. Storage space on mobile phones is _____.

vii. Double data type is double precision _____ byte floating point.

Q5. Name the following: (10)

- a. Two translators.
- b. Two high level language
- c. Two components of network
- d. Two types of LAN Models
- e. Two different types of clouds

Q6. State whether the following statements are true or false. If false correct the first word or the last word only. (5)

- a. Campus Area Network is a computer network that serves the need of an individual person.
- b. Google Store is the store that stores Android applications.
- c. Many web pages contribute to make a website.
- d. Uniform Resource Locator is also known as a webpage.
- e. Intranet is a network which is public.

Q7. Expand the following abbreviations: (5)

- i. NIC
- ii. MAC
- iii. HTTPS
- iv. SMTP
- v. Mbps

Q8. Protocol is a set of rules and procedures that establishes a link to control the data transmission between the sender and the receiver. Some of the protocols are given below: (2)

Internet Protocol	Internet Message Access Protocol	Hypertext Transfer Protocol	File Transfer Protocol
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Identify and name the appropriate protocol for each of the descriptions given below:

- i. A protocol used for non-secure exchange of the data between client and server.
- ii. A protocol is used for storing mails in the computer of the recipient.
- iii. A protocol to exchange files between the computers on the internet.
- iv. A set of rules responsible for transferring hypertext document between two or more computers.

Q9. Given program is to add three numbers and display their sum. Fill in the blanks of the given program with appropriate statements. (5)

(please copy the correct number against the blank to write the answer)

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(i) _____ sum
{
(ii) _____ main()
(iii) _____
(iv) _____ a=10;
int (v) _____ =20;
int (vi) _____ =30;
int (vii) _____ = a (viii) _____ b (ix) _____ c ;
System.out.println("sum is"+d);
}
(x) _____

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Q10. Find the final value of the variables after solving the given equation. (6)

- i. $Z = ++X + --Y + ++Y$ where value of $X = 10$ and $Y = 20$
ii. $A = B -- + C ++ + B * C$ where value of $B = 2$ and $C = 4$

Q11. Answer the following:

- a. What is a Gateway? (1)
b. Explain ISP. (1)
c. What is meant by IP address? (1)
d. Explain any two disadvantages of cloud computing. (2)
e. Write two drawbacks of mobile applications. (2)
f. Explain any two advantages of LAN. (2)
g. Define Web Portal. Write any two features of it. (3)
h. What are tokens? Name the tokens. (3)
i. What is mobile app? How is it different from web app?(2 points) (3)
j. Name two banking application. Write one drawback. (3)
k. Write any two features each of any two Networks. (4)
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