

THE GAUHATI HIGH COURT AT GUWAHATI

(The High Court of Assam, Nagaland, Mizoram and Arunachal Pradesh)

Practical Examination for the post of SYSTEMS ASSISTANT for the District Court Establishments of Assam.

Date: 18-02-2018 (Sunday)

Time: 3.00 pm to 4.00 pm

Total Marks: 30

Duration: 1 Hour

1. What is Data Communication? Define Protocols and Standards. **Mark 5**
2. Write about Virtual Circuit Network ? **Mark 2**
3. If you have to create a LAN with 10 computers in an office, what are the equipments you will need and how will you create a secured LAN, please explain.

4. To create HTML page as per the following : **Mark 8**

- A. Create an HTML page titled "Test Sets for HTML Practice"
- B. Place first level heading, centred and italic "GHC Examination"
- C. Place ghc.jpg image (300px X 400px) below the heading
- D. Write following paragraph below the image. Care the formatting in given text

" In the last few years, we have seen an explosion of social media and networking sites like Face book, Twitter, Instagram and MySpace etc. It is precisely because of rapid penetration of high bandwidth technology to each and every corner of the globe. It is estimated that there are 80 percent of teen Internet users."

- E. Insert a hyperlink to <https://facebook.com> on word Face book .

- F. Place following lines as squared bulleted list below the paragraph.

Gauhati High Court, Guwahati
District & Session Judge Court, Kamrup

5. Write a Java program that reads an integer and check whether it is negative, zero, or positive. **Mark 5**

Test Data

Input a number: 7

6. Write a Java program to convert temperature from Fahrenheit to Celsius degree. **Mark 5**

Test Data

Input a degree in Fahrenheit: 212

Expected Output:

212.0 degree Fahrenheit is equal to 100.0 in Celsius

7. Describe at least 4 steps to harden windows 10 operating system? **Mark 2**

8. How do you carry out the following task on a Linux kernel: **Mark 3**

- a. Disable root Login (so that no one can ssh or log into the server as root user.
- b. how to change the default port of SSH
- c . what will be the output of the command : netstat -npl
- d. How to you disable any unwanted services from command prompt on a Linux kernel.
