



INDIAN SCHOOL AL WADI AL KABIR

Class: XII Comp. Sci.	Department: Computer Science	Date of submission: 20/02/2022
Worksheet No:11	Topic: Computer Networks PART-II (Term-II)	Note: Please answer the following questions in your class notebook

Q.1 What is firewall?

Q.2 What is URL?

Q.3 Full form of DNS and its purpose

Q.4 What is ping command does

Q.5 What is the full form of WiFi and how it is usefull?

Q.6 Name any two remote desktop applications.

Q.7 What is telnet?

Q.8 Name any few free public clouds.

Q.9 What are the advantages of computer network over standalone PC?

Q.10 What is PAN, LAN, WLAN. MAN, WAN?

Q.11 What is IoT?

Q.12 Differentiate between

- HTML and XML
- Website and Web browser
- Web server and webhosting
- GSM and GPRS
- Circuit switching and packet switching
- Web page and web 2.0

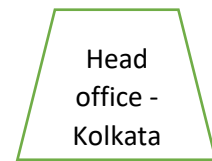
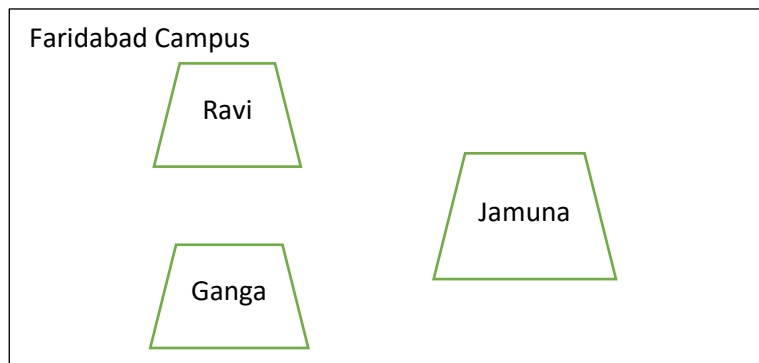
Q.13 Give the full forms for

- LAN,MAN,WAN,GSM,CDMA,GPRS,HTTP,FTP,SMTP,PPP,HTML,XML,DHTML, SIM,NNTP,TDMA,FDMA,DNS,POP,IMAP,NIC,TCP/IP,MODEM,SMS,5G,ISP,MAC,IP, OSS

Q.14 Garuda consultants are setting up a secured network for their office campus at Faridabad for their day to day office and web based activities. They are planning to have connectivity between three buildings

And the head office situated in Kolkata. Answer the questions a) to d) after going through the building positions in the campus

And other details, which are given below.



Distance between the various buildings

Ravi to Jamuna	120 m
Ravi to Ganga	50 m
Ganga to Jamuna	65m
Faridabad campus to Kolkata	1460km

Number of computers

Ravi	25
Jamuna	150
Ganga	51
Head office	10

- Suggest the most suitable place i.e. block to house the server of this organisation. Justify your answer.
- Suggest a cable layout of connections between buildings in the campus
- Suggest the placement of the following devices with justification
 - switch/hub
 - repeater
- The organisation is planning to provide a high speed link with it's head office situated in Kolkata using a wired connection. Which of the following cable will be the most suitable for this job.
 - (i) optical fibre
 - (ii) Co-axial cable
 - (iii) Ethernet cable
- Which wireless media is used to connect head office with the campus.
- If Ravi and Ganga buildings are in hilly region ,which wire less media used to connect.
- What is network type that is formed in the campus?
- When campus and head office are connected ,which type network is formed?
- Which network topology is formed in campus?