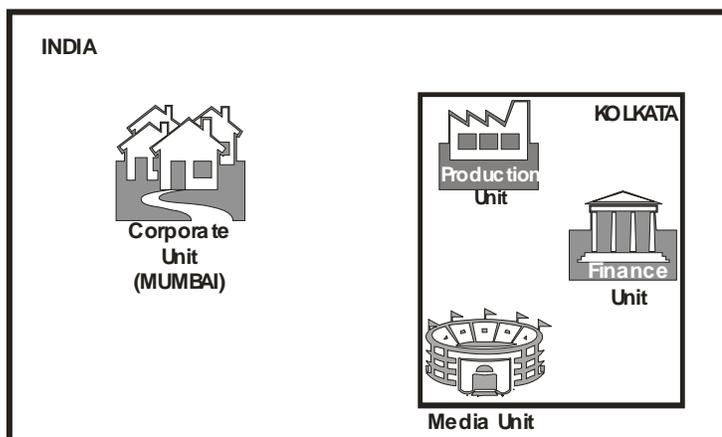


**Note:**

1. This question paper is divided into four questions
2. Answer the questions after carefully reading the text.

**Q1. Answer the following questions**

- (a) Skyline Fashion Technology is planning to expand their network in India, starting with two cities in India to provide infrastructure for distribution of their product. The company has planned to set up their main office units in KOLKATA at three different locations and have named their offices as “Finance unit”, “Media unit” & “Production unit”. The company has its corporate unit in MUMBAI. A rough layout is as follows :-



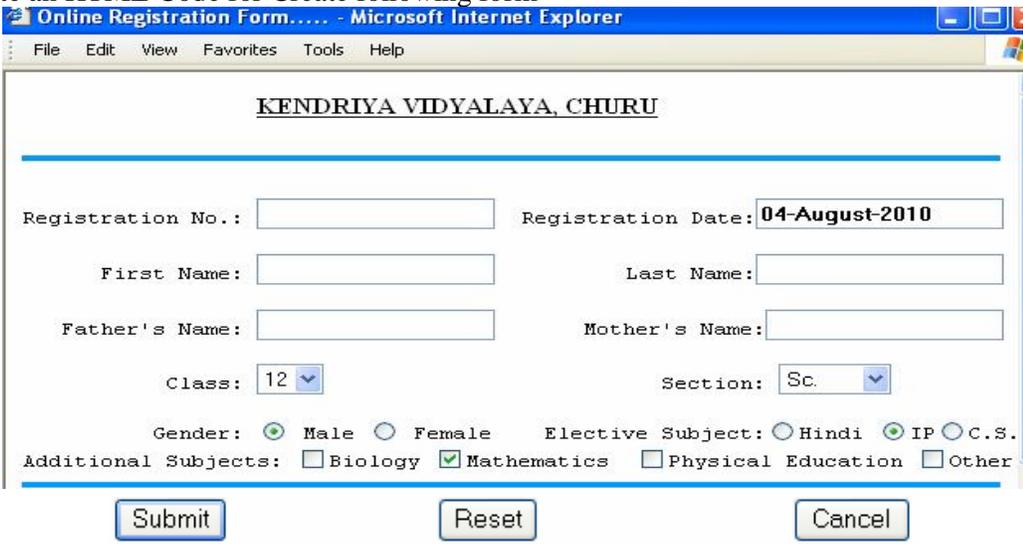
Approximate distance between these units are :

Production unit to Finance unit	150m
Production unit to Corporate unit	1577K M
Production unit to Media unit	15 KM
Finance unit to Media unit	200m
Admission to Hostel	14 KM

Number of computers in each unit are :

Production unit	245
Media unit	15
Corporate unit	26
Finance unit	56

	(b) Suggest the type of networking (LAN, MAN, WAN) for connecting each of the following office units :- <ul style="list-style-type: none"> <li>• Production unit &amp; Media unit</li> <li>• Production unit &amp; Finance unit</li> </ul>	1
	(c) Suggest a cable/wiring layout for connecting the company's local office units located in KOLKATA. Also, suggest an effective method/technology for connecting the company's office unit located in MUMBAI.	1
	(d) Which one of the following devices will you suggest for connecting all the computers within each of their office units? <ul style="list-style-type: none"> <li>➤ Hub/Switch</li> <li>➤ Modem</li> <li>➤ Telephone</li> </ul>	1
	(e) Which of the following communication media, will you suggest to be procured by the company for connecting their local office units in MUMBAI for very effective (High Speed) communication? <ul style="list-style-type: none"> <li>❖ Telephone cable</li> <li>❖ Optical fiber</li> <li>❖ Ethernet cable</li> </ul>	1
	(f) What type of Network and Network Device would you suggest for following type of requirements of KENDRIYA VIDYALAYA, CHURU:- (i). Around 50 Computers in two different labs adjacent to one another are to be connected. (ii). The cost of network should not be very high. (iii). It should be fairly easy to implement.	2
<b>Q2.</b>	<b>Answer the following questions</b>	
	(a) What is Unicode? What is ASCII?	2
	(b) What do you font Standards?	2
	(c) What is difference between Router over a Repeater?	2
	(d) Expand the following terminologies : i) <i>CGI</i> ii) <i>WLL</i> iii. <b>FLOSS</b> iv. <b>SDLC</b>	2
	(e) What is Protocol? How do Protocols affect Internet?	2
<b>Q3.</b>	<b>Answer the following questions</b>	
	(a) What are logical and physical text styles?	2
	(b) What is the difference between container tags and empty tags?	2
	(c) Give the Name and syntax of different control types supported by HTML forms.	2
	(d) What is Client-Server Computing Model? Give different type of Computing Models.	3

Q4. Answer the questions based on the table given below :											
(a)	Write HTML code for display the following expression over Web Page:-										
	i. $H_2O + CaO \rightarrow Ca(OH)_2$ .	2									
	ii. $(a+b)^2 \rightarrow a^2 + b^2$ .	2									
	iii. Less then < and > Greater then and & are special characters that are displayed using escape sequences.	2									
	iv. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table border="1" style="border-collapse: collapse;"> <tr> <td style="padding: 2px;">ITEM1</td> <td style="padding: 2px;">ITEM2</td> <td style="padding: 2px;">ITEM3</td> </tr> <tr> <td style="padding: 2px;">ITEM4</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">ITEM5</td> </tr> </table> </div>	ITEM1	ITEM2	ITEM3	ITEM4		ITEM5	2			
ITEM1	ITEM2	ITEM3									
ITEM4		ITEM5									
v. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2" style="padding: 2px;">S. No.</th> <th rowspan="2" style="padding: 2px;">Name</th> <th colspan="2" style="padding: 2px;">Marks</th> </tr> <tr> <th style="padding: 2px;">PHY.</th> <th style="padding: 2px;">CHEM.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">1.</td> <td style="padding: 2px;">John</td> <td style="padding: 2px;">69</td> <td style="padding: 2px;">70</td> </tr> </tbody> </table> </div>	S. No.	Name	Marks		PHY.	CHEM.	1.	John	69	70	2
S. No.			Name	Marks							
	PHY.	CHEM.									
1.	John	69	70								
(c)	What are Frame Attributes? Explain	2									
(d)	Write an HTML Code for Create following form 	3									