

I. Choose the right answer. [4]

Attributes	Bandwidth	Table	Radio waves
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1. **Table** are made up of rows and columns. are represented by columns.
2. A type of electromagnetic waves that travels at the speed of light **Radio waves**.
3. Characteristics of a field are known as **Attributes**.
4. **Bandwidth** is an amount of data that can be sent and received in a fixed amount of time.

II. State whether the statements are true or false. [4]

- | | |
|---|------------------------------------|
| 5. Digital content can be stored on servers. | <input type="text" value="True"/> |
| 6. Tables are made up of rows and columns. | <input type="text" value="True"/> |
| 7. Photographs are not stored on servers. | <input type="text" value="False"/> |
| 8. Patients can track their health vital signs such heart rate. | <input type="text" value="True"/> |
| 9. The find feature does not help to find the phrases in spreadsheet. | <input type="text" value="False"/> |

III. Match the following. [4]

10. Fiber-optic cable	a. 54 megabits per second (Mbps)
11. Stock control	b. Up to 1 gigabit per second (Gbps)
12. Twisted copper wire	c. keeping track of the products so that they are available.
13. Wi-Fi (home networks)	d. Over 40 terabits per second (Tbps)

10)	11)	12)	13)
d	c	a	b

IV. Answer the following.

[8]

14. A database is being created to manage the bus station's operations. The data below must be stored in a table: /2

- Bus Code
- Number of passengers seated

Complete the table by identifying the data type of each field.

Field name	Data type
Bus Code (2 letters, 3 numbers, e.g. LT256)	Text
Total number of passengers seated (e.g. 252)	Number
Destination (e.g. Soho)	Text

15. Andera is a data analyst. She created the database to maintain the monthly sales so that she can store, access and retrieve the data. /2

List the four important questions that she must be ask herself before creating the database.



A database is a computerised system that makes it easy to store, search for and retrieve information. A database stores data in one or more tables which can be easily updated. Before creating the database, we must ask these questions:

- 1 What is the purpose of the database?
- 2 What data needs to be stored?
- 3 How should the data be organised?
- 4 What would be the column headings in each table?

16. Hassan is a server engineer who maintains the all types of data in a centralised server.



Can you list the different types of digital content? /2

- **Photographs and images** are stored on servers. People can share pictures or photo albums with other people.
- Servers are also responsible for storing and sending **messages** from one device to another over a network. Messages are mainly text-based but can include images and emojis too. Messenger apps are common on mobile devices.
- Files and data for **websites** are stored on servers.
- Email providers like Gmail, Hotmail and Yahoo! Mail store **email messages** on servers. Users can access their emails from computers and other devices connected to the internet.
- **Online software** is stored on servers and used remotely by users. Software such as Google Docs™ allows users to create and edit documents, that are stored on Google's servers.
- All **online games** are stored on servers. Each game generally has its own server.
- **Video content** is stored on servers and includes movies, TV shows and music videos.
- **Audio content** is stored on servers and includes music, **podcasts** and **audio books**. Music is the most popular form of audio.



17. Explain any two digital contents with at least three points each? /2

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Term: I
Session: 2023-24
Total Marks: 20



Name: _____
Date: _____