**2.2 internet and WWW**

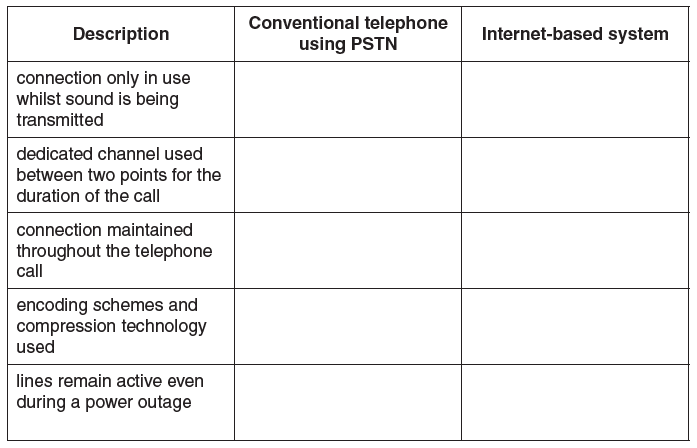
**Name \_\_\_\_\_\_\_\_\_\_\_\_\_ class\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **(a)** Telephone calls can be made by using:

• conventional telephones (using the Public Service Telephone Network (PSTN) system) over a wired network

• a computer, equipped with speakers and microphone, connected to the Internet

Put a tick () in the correct column to match each description to the appropriate communication method.



**(b)** Distinguish between the Internet and the World Wide Web (WWW).

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**(c)** Name the hardware device that is being described:

**(i)** A device that transfers data from one network to another in an intelligent way. It has the task of forwarding data packets to their destination by the most efficient route.

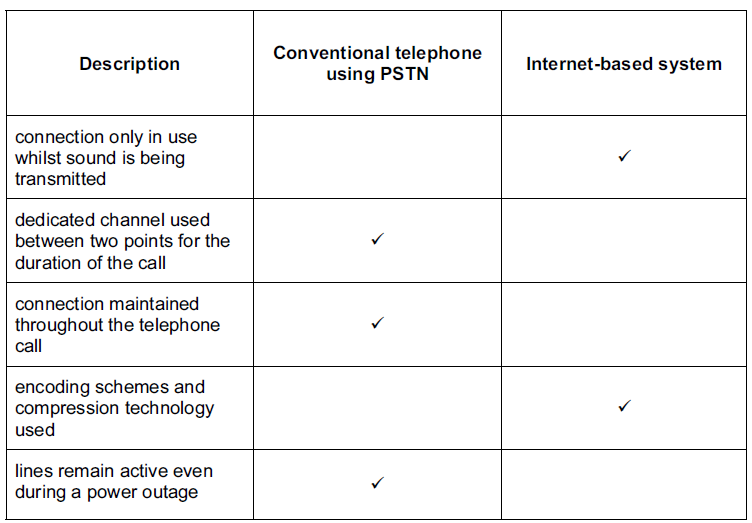
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**(ii)** A device used between two dissimilar LANs. The device is required to convert data packets from one protocol to another.

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**(iii)** A device or software that provides a specific function for computers using a network. The most common examples handle printing, file storage and the delivery of web pages. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(a)



(b)

Internet

• massive network of networks/interconnected network of computer devices

• Internet stands for Interconnected Networks

• uses TCP/IP protocol

World Wide Web (www)

• is a collection of (multimedia) web pages stored on websites

• http protocols used to transmit data

• web pages are written in HTML

• URLs specify the location of the web pages

• web documents are accessed using browsers

(c)

(i) router

(ii) gateway

(iii) server