Cambridge Assessment International Education	**SANSKAR SCHOOL** *The Revival of Tradition*	INTERNATIONAL SCHOOL AWARD 2016-2019

GRADE: IX	SUBJECT: ICT	DATE: 27th June 2020
WORKSHEET NUMBER: 08	Chapter-2 Input and Output Devices.	
INSTRUCTION (IF ANY):	Students are required to write questions and answers in their notebook. They need to submit the screenshots of the answers on classroom	

(a) Identify the following input devices:

Keyboards, Numeric Keypads, Pointing Devices (including mouse, touch pad and tracker ball), Remote Controls, Joysticks, Touch Screens, Magnetic Stripe Readers, Chip Readers, PIN Pads, Scanners, Digital Cameras, Microphones, Sensors, Graphics Tablet, MICR, OMR, OCR, Barcode Readers, Video Cameras, Web Cams, Light Pens.

(b) Identify suitable uses of the input devices stating the advantages and disadvantages of each.

(c) Identify the uses of the following sensors:

Temperature Sensor, Pressure Sensor, Light Sensor.

(d) Identify the following output devices:

Monitors (CRT, TFT), Projectors, Printers (laser, ink jet and dot matrix), Plotters, Speakers.

(e) Identify suitable uses of the output devices stating the advantages and disadvantages of each.

(f) Identify the following control devices in control applications:

Motors, Buzzers, Heaters, Lights/Lamps

(g) Identify suitable uses of the control devices stating the uses of each.

Essay type questions. Students are expected to write in elaborative manner.

1. What are the places where barcode reader will be appropriately used and why RFID is a better choice at some places? Give some examples and scenarios where both these can function well.
2. What are the uses of 3D printers?(At least three with explanation)
3. Which printer is best suited for our home and why?
4. Write at least three uses of actuators and their working methodologies.

Task 1: Identify the most suitable storage media.

Questions 1: Jose needs to make a copy of his school work?

Recommend the storage media:	
Advantage for using this storage Media:	

Questions 2: Pablo wants to format his computer however he needs to back up most of the files on his hard drive?

Recommend the storage media:	
Advantage for using this storage Media:	

Questions 3: The movie industry wants to sell High Definition movies?

Recommend the storage media:	
Advantage for using this storage Media:	

Task 2 – Backing Storage Media

Magnetic Storage Media

Types	General Uses and benefits including performance	Advantages	Disadvantages
Fixed Hard drive			
Portable Hard Disk			
Floppy Disk			
Magnetic Tapes			

Task 2 – Backing Storage Media

Optical Storage Media

Types	General Uses and benefits including performance	Advantages	Disadvantages
CD ROM/DVD ROM			
CD R/DVD R			
CD RW/DVD RW			
DVD RAM			
Blu-ray			

Task 3 – Backing Storage Media

Solid state Storage Media

Types	General Uses and benefits including performance	Advantages	Disadvantages
USB			
Flash Memory Cards			

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GRADE: IX	SUBJECT: ICT	DATE: 14th Aug 2020
WORKSHEET NUMBER: 11	Chapter-4 Networks and effects of using them.	
INSTRUCTION (IF ANY):	Students are required to write questions and answers in their notebook. They need to submit the screenshots of the answers on classroom	

Essay type questions. Students are expected to write in elaborative manner.

1. What is modem and elaborate its use.
2. A device which broadcasts the data packets to every node which is connected is a dumb system, Write the name of such device and its differences with the device which selectively picks the path.
3. What is the use of router?
4. Mark differences between bridge and gateway.
5. What is an IP address and how it is different than MAC address.

Cambridge Assessment International Education	SANSKAR SCHOOL The Revival of Tradition	INTERNATIONAL SCHOOL AWARD 2016-2019
GRADE: IX	SUBJECT: ICT	DATE: 21st Aug 2020
WORKSHEET NUMBER: 12	Chapter-4 Networks and effects of using them.	
INSTRUCTION (IF ANY):	Students are required to write questions and answers in their notebook. They need to submit the screenshots of the answers on classroom	

Essay type questions. Students are expected to write in elaborative manner.

1. Suppose a seminar is about to held in your school premises with around 100 participants. This seminar is about to held in a big auditorium of about 100 metres. Suggest as which networking technique can be used and also mention the steps for the configuration.
2. Differentiate between wifi and Bluetooth on the basis of following points:
   - Transmission frequency
   - Data transfer rate
   - Max no of devices in the network
   - Range of network
3. How internet, intranet and extranet can be differentiated.
4. Differentiate between LAN and WAN.