

## Unit 1 - Concept of ICT

### MCQ Answers

|    |   |    |   |    |   |    |   |    |   |
|----|---|----|---|----|---|----|---|----|---|
| 01 | 4 | 02 | 4 | 03 | 5 | 04 | 2 | 05 | 1 |
| 06 | 2 | 07 | 2 | 08 | 5 | 09 | 1 | 10 | 2 |
| 11 | 4 | 12 | 3 | 13 | 1 | 14 | 5 | 15 | 2 |
| 16 | 1 | 17 | 2 | 18 | 2 | 19 | 4 | 20 | 1 |
| 21 | 1 | 22 | 4 | 23 | 5 | 24 | 3 | 25 | 5 |
| 26 | 4 | 27 | 3 | 28 | 5 | 29 | 5 |    |   |

### Structured Essay Answers

01.(a)

Linux - System Software

Word Processor - Application Software

Web Browser - Application Software

(02 Marks)

(b) Magnetic - Hard disk, Diskette, Tape Drive (Anyone)

Optical - CD, DVD, VCD

Solid State - Flash Drive, Memory cards

(03 Marks)

(c)

| Data Element    | Validation Check                  |
|-----------------|-----------------------------------|
| Employee Number | Presence in Employee Master Table |
| Hours worked    | Range check                       |
| Department code | Presence in Department Master     |
| Week number     | Range check                       |

(03 Marks)

(d) **Video Conferencing:** This is the process by which **two or more individuals**,

located in **different places** carry out a **discussion (communication)** through

network by transmitting audio and video.

(01 mark)

**Copyright:** The right of the author to copy, print and market his/her material.

(01 mark)

(2011)



**02.(a) Privacy means** protection of personal information in computer data bank from abuse. (01 mark)

**Privacy of software means** making of illegal copies of software on which the user has no copyright or any other right. (01 mark)

**(b) Mobile computing** refers to the use of small and portable computing devices in wireless enabled networks that provide wireless connections to a central main server. (03 marks)

**(c)**

**(i) Video Conferencing** (02 marks)

**(ii) Network devices (Modem / Routers / Dongle)**

**Any Audio / Video devices**

**Computer / Servers**

(03 marks)  
(2012)

**03. Write two of the followings.**

- Software as a service / SaaS
- Platform as a service / PaaS
- Infrastructure as a service / IaaS
- Function as a service / FaaS

(1 \* 2 = 02 marks)  
(2020)

**04.(a)**

**(i) Platform as a Service / PaaS**

**(ii) Infrastructure as a Service / IaaS**

**(iii) Software as a Service / SaaS** (1 mark for each 03 marks)

**(b)**

**(i) Encryption**

**(ii) Phishing**

**(iii) Software Piracy**

**Copyright**

(0.5 mark for each - 02 marks)  
(2021)

**05.**

**(a) The longer the time, the less resources are utilized** (01 mark)

**(b) Use of cloud computing** (01 mark)  
(2022)



**06.(a)**

2<sup>nd</sup>: management of data

(0.5 mark)

3<sup>rd</sup>: removal of obsolete data

(0.5 mark)

**(b) Infrastructure as a service / IaaS**

(01 mark)

**(c) Any one from the following:**

\* economic and social inequality with regard to access to, use of, or impact of information and communication technologies

\* the gulf between those who have ready access to computers and the internet, and those who do not

\* the gap between demographics and regions that have access to modern information and communications technology (ICT), and those that do not or have restricted access.

\* unequal access to digital technology, including smartphones, tablets, laptops, and the internet.

\* the gap between people who have access to modern information and communications technology and those who do not.

\* the distinction between those who have internet access and are able to make use of new services offered on the World Wide Web, and those who are excluded from these services.

\* the gap between those with Internet access and those without it.

(02 marks)

**(d) Any one from the following:**

- Reduce the unwanted/extravagant use of electronic equipment (e.g., if one already has a working electronic item, it is good for him/her to not to buy a another one)

- Reuse electronic equipment as much as possible (e.g., a broken computer should be repaired if possible)

- Without throwing electronic items that cannot be repaired to garbage dumps, recycle them/their parts to other uses.

- If the electronic items have to be disposed, give them to designated e-waste recycling locations.

- Without buying new items buy refurbished items



- Extend the lifespan of items by protecting them, using proper maintenance practices, keeping them clean, regularly updating software, protecting them from virus attacks, using protective cases, using screen protectors, using surge protectors etc.
- Donate or sell unwanted electronics.
- Go for digital minimalism (e.g., decluttering and organizing files, reducing unnecessary downloads and backups, and deleting unused applications)

(02 marks)

(2023)

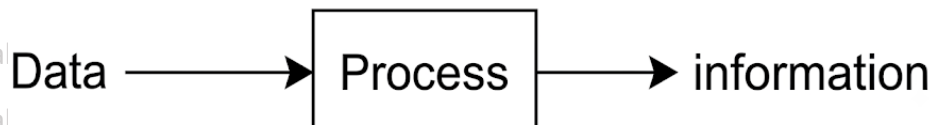
## Essay Answers

01.

(a) Suitable System such as payroll system

Difference – Process, data (input), information (output)

(01 mark)



(01 mark)

(b)

1 - In-Accuracy

2 - In-Efficiency

3 - Data duplication

4 - Need for large physical space

(Any three from above or any other acceptable reason)

(03 marks)

(c)

(1) Hardware - Any physical (tangible) objects in the computer

(01 mark)

(2) Software - Instruction given to the computer

(01 mark)

(3) Firmware - Program required for booting up a computer

(01 mark)

(2012)

