

4/18/2020



# IQRA NATIONAL UNIVERSITY

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**Subject:** Computer application to business  
**Semester:** 4<sup>th</sup>  
**Submitted to:** Sir Zakir Rahim  
**Exam:** Midterm

**Course:** Computer application to business  
**Semester:** 4<sup>th</sup>  
**Total Marks:** 30  
**Due Date:** 19<sup>th</sup> April,2020

**Program:** BBA  
**Major Assignment**  
**Instructor:** Zakir Rahim

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**Instructions:**

- Students are required to solve the provided assignment and upload it on SIC before 20<sup>th</sup> April,2020.
  - The solutions can be type-written or hand-written.
  - In case of handwritten solutions, you are required to copy pictures of the solved assignment in Ms-Word and upload it.
  - The solutions must be uploaded either in Ms-Word format or pdf format.
  - Students are required to save the file with their name and student id. For example, ahmad\_12345.
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**Q1. (a) Discuss the importance of system software and how it helps users? (5)**

**Ans: System software** is a type of computer program that is designed to run a computer's hardware and application programs.

**Examples:**

The operating system (OS) is the best-known example of system software. The most important software for any computer is operating system. System software and application programs are the two main types of computer software. other examples of system software include device drivers, programming tools and all of the other utility programs that allow the computer to function

- It helps to run the computer hardware and application programs.
- It helps to taking care of basic tasks such as input, output and data storage.
- System software allows application developers to focus on specific tasks their software needs to accomplish.
- It helps to manage the resources of the computer system and simplifying application programing.

**(b) Write a few advantages of open source software's? (5)**

**Ans:** The main advantage of Open Source is that it is generally free and you do not have to pay for using it.

- **Avoiding Vendor Lock-in:** One of the greatest advantages of open source software is that it helps organizations avoid vendor lock-ins. This also makes it highly auditable. With open software, organizations have the advantage of long-term viability.
- Open source software can also be efficiently used in coding which reasons make open source software an ideal choice for organizations.
- In open source software no longer need to worry about licenses and you will be free from monitoring, tracking or counting license compliance.

- There are many other advantages of using open-source software such as greater resource availability, great community support, security, simpler license management, integrated.

**Q2. (a) Differentiate between Optical and magnetic storage? (5)**

**Ans: Optical Storage Devices:** Optical storage devices are flat, round disks that spins around its centre Such as CD, DVD etc.

**Magnetic Storage Devices:** The most common type of storage device is magnetic storage device. In magnetic storage devices, data is stored on a magnetized medium such as hard drive, floppy disk and etc.

- Optical media tends to be more durable while magnetic storage devices is faster and easier to write data.
- Optical storage devices use lasers to read the reflections in the disk or "burn" the data pattern into the disks while magnetic storage devices use read or write.
- Optical storage uses disks made of reflective material while magnetic storage uses disks coated with a magnetic material.
- Optical storages can be readable, writable and re-writable while Magnetic storage devices are always readable and re-writable.

**(b) Discuss the importance of main memory? (5)**

**Ans:** The main memory in a computer is called Random Access Memory and it is also known as RAM. A computer uses RAM to hold temporary instructions and data needed to complete tasks. RAM is one of the faster types of memory, and has the capacity to allow data to be read and written when programs and data become active, they are copied from secondary memory into main memory where the processor can interact with them (A copy remains in secondary memory).

**Example:** Suppose we want to run several programs on our computer, tablet or smartphone at the same time. A text editor, a browser with 3 open tabs and a business program. If the RAM is in good condition and has enough capacity, we shouldn't have any problems.

**Q3. Based on the discussion related to internet and its services, elaborate the effective use of internet in current health emergency and how different sectors of life are benefiting from it? (10)**

**Ans:** Internet is the largest computer network in the world, connecting millions of computers. A network is a group of two or more computer systems linked together.

Today, the Internet is the best place to communicate and share information with people from anywhere in the world. It also supplies an endless supply of knowledge and entertainment.

The Internet provides different online services. Some examples include:

- Web – a collection of billions of webpages that you can view with a web browser
- Email – the most common method of sending and receiving messages online

- Social media – websites and apps that allow people to share comments, photos, and videos
- Online gaming – games that allow people to play with and against each other over the Internet
- Software updates – operating system and application updates can typically have downloaded from the Internet

As the largest group of Internet users continues to age and develops a greater need for health services, diagnostics, and treatments, physicians must be prepared for the Internet to play a key role in health care delivery.

Nowadays as there is the spread of Covid-19 and it is spreading with high speed and the internet is the only way which helps to inform us that where are the infected people and how many of them are around the world. From all over the world all the medics are trying to run the campaign for awareness of the deadly disease via internet. We get any kind of information on covid-19 on a daily basis.

Coronavirus, which is also called deadly virus and which took the lives of about 140,000 across the globe, was spreading with high speed back at end of March, but with the help of internet which has awared almost the entire world about this virus, it has become less in spreading as the internet is the only way which tells us about it. It has helped a lot in protecting and guiding people in the entire globe.

Today's health Internet offers a wide range of benefits, to individual consumers and health professionals, as well as to national health systems and global public health. In many countries the public goes online for health information, participates in online communities and buys products and services for health and wellbeing. Health institutions are part of this trend, as patient records are networked and encounters with the health system increasingly take place online.