

# University of Sargodha

M. Sc. I. T, First Term Exam 2014

Subject: Information Technology

Paper: Introduction to ICT (ICT: 2011)

Time Allowed: 2:30 Hour

Maximum Marks: 80

## **Objective Part Compulsory**

Q1. Write short answers of the following questions. (16\*2=32)

1. Differentiate between RAM and ROM?
2. What is protocol, name any two protocols?
3. What is the function of ALU?
4. What are the benefits of video conferencing?
5. What is platter in a hard disk?
6. Why custom software costs more than package software?
7. What is http and where is it used?
8. How the use of computer impacts on labor force?
9. What are the registers?
10. What is the difference between ports and connectors?
11. Name some pointing devices other than a mouse.
12. Differentiate between impact and non-impact printers?
13. Why CLI is not a user friendly environment?
14. What is the function of GPS?
15. What do you mean by consistency check for data validation?
16. How Trojan horse affects the security of computer system?

## **Subjective Part**

Attempt any four questions (4\*12=48)

- Q2. What is an application software? How many types of application software are there, briefly describe all types.
- Q3. Why database systems are more convenient than file processing system? What are the major differences between these two techniques? Give detailed view.
- Q4. Write short note on following network communication standard
  1. Ethernet
  2. Token ring
  3. Bluetooth
- Q5. Why different techniques for processor cooling are used? Explain all the techniques in detail? Briefly describe the parallel processing.
- Q6. Write note on each of following:
  1. Miniature hard disks
  2. Hard disk controllers
- Q7. What are the several types of stand-alone operating systems? Briefly describe any three types.

University of Sargodha

BS 1<sup>st</sup> Term Examination 2015

Subject: Computer Science

Paper: Introduction to ICT (ICT-2021)

Time Allowed: 2:30 Hours

Maximum Marks: 80

Objective Part- Compulsory

Q. 1: Answer the following question briefly.

2×16 = 32

- ☒ i. What is file manager?
- ☒ ii. What is wireless access point?
- ☒ iii. Define Bridge.
- ☒ iv. What is Router?
- ☒ v. Define database.
- ☒ vi. FAT stands for
- ☒ vii. What are smart cards?
- ☒ viii. What is primary key?
- ☒ ix. Define flow chart.
- ☒ x. What is software license?
- ☒ xi. Define internet security risks.
- ☒ xii. What is ethics in computing?
- ☒ xiii. Write names for any two storage devices.
- ☒ xiv. Write names for any two output devices.
- ☒ xv. Write names of any two application software's.
- ☒ xvi. WAN stands for?

Subjective Part -

Attempt any three questions out of five

3×16 = 48

- ☒ Q2. What are output devices? Explain any three in detail.
- ☒ Q3. What is system unit? Explain ports, connectors, buses, in detail.
- ☒ Q4. What is the role of internet in the society? Explain its disadvantages in detail.
- Q5. What is database management system? Explain multi dimensional and web databases in detail.
- Q6. What is ICT? Explain communication devices in detail.



University of SargodhaBS 1<sup>st</sup> Term Examination 2016

Subject: IT

Paper: introduction to ICT (IT-2021)

Time Allowed: 2:30 Hours

Maximum Marks: 60

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Objective Part- Compulsory

Q.1 Answer the following questions briefly.

2\*12=24

1. Define Ring Topology, state it with diagram.
2. Differentiate between Domain & IP
3. Define GUI and CLI with example
4. Differentiate between Super Computers and Mainframe Computers.
5. What is Hard-Disk and Flash Memory
6. Define Electrically Erasable ROM and Electronically Erasable ROM
7. What is the difference between Operating System and Utility Programs?
8. Define Spyware and Adware
9. Differentiate between Domain Name Server (DNS) and Top Level Domain (TLD)
10. What is Phishing Filter
11. How a sector is different from track of a Hard disk?
12. What is stored in-Program Control Register?

Subjective Part

Attempt any three questions.

3\*12=36

- Q.2. Define Operating System, Explain its types, also discuss seven steps for booting.
- Q.3. Define Networks, Explain its types and also discuss network protocols.
- Q.4. What are Computer Security Risks? Explain different types of internet and networks attacks. Also mentions its safety precautions.
- Q.5. Define Database, what are the differences between Relational, Object Oriented, Multidimensional and Web Databases? Also write disadvantages of Traditional File Processing Systems.

Utility Programs in detail.



**University of Sargodha**

**M. Sc. 1<sup>st</sup> Term Exam 2017.**

**Subject: I. T**

**Paper: Introduction to ICT (ICT-2011)**

**Time Allowed: 2:30 Hour**

**Maximum Marks: 60**

**Note:** Objective part is compulsory. Attempt any four questions from subjective part.

**Objective Part (Compulsory)**

**Q1. Write short answers of the following questions. (12\*2=24)**

1. Differentiate between PROM and EEPROM?
2. Why dial-up connection are not being used now a days?
3. How an option of hibernate for shut down is better than sleep mode?
4. What is difference between gTLD and ccTLD?
5. Why shareware is not good for long term use?
6. In which institutes super computers are preferred to be used?
7. What do you mean by preemptive multitasking?
8. What is the function of HDMI port?
9. Why GUI is a user friendly environment?
10. What is the function of VAN (Value added network)?
11. What do you mean by a computing phrase *garbage in garbage out* (GIGO)?
12. How rootkit affects the security of computer system?

**Subjective Part**

**Attempt any four questions (4\*9=36)**

- Q2.** What is E-commerce? How many types of E-commerce are there, briefly describe all types.
- Q3.** What are the optical discs? Give detailed view of CDs, DVDs and Blu-ray discs.
- Q4.** Write short note on following
  1. Cyber café
  2. Voice mail
  3. Groupware
- Q5.** What are the several steps of machine cycle? With the help of an example elaborate all the steps. Why pipe lining provides high speed?
- Q6.** Write note on each of following:
  1. Laser printers
  2. Optical character recognition
- Q7.** What are the several types of server operating systems? Briefly describe any three types.

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**University of Sargodha**

**BS 1<sup>st</sup> Term Examination 2017**

**Subject: Computer Sc./ I.T/Software Engineering**

**Paper: Introduction to ICT (ICT:2021)**

**Time Allowed: 2:30 Hours**

**Maximum Marks: 40**

**Note: Objective part is compulsory. Attempt any three questions from subjective part.**

**Objective Part (Compulsory)**

- Q.1.** Write short answers of the following on your answer sheet in 2-3 lines only. (12\*2)
- i. How is a cold boot different from a warm boot?
  - ii. How Does Society Use Computers in Education
  - iii. What Is the Relationship of an IP Address with Domain Name?
  - iv. What is the difference between a regional ISP and a national ISP?
  - v. Describe term Netiquette?
  - vi. What is malware?
  - vii. What is computer-based training (CBT)?
  - viii. How Are Storage Devices Different from Storage Media?
  - ix. What is system software, and what are the two types of System Software?
  - x. What is a network topology?
  - xi. What are the advantages of object-oriented databases?
  - xii. Describe the ENERGY STAR program?

**Subjective Part (12\*3)**

- Q.2.** What Are the Types of Web Sites? Explain each of them with examples?
- Q.3.** What Are the Seven Forms through Which Software Is Available? Explain each of them with example?
- Q.4.** What Are the Control Unit and Arithmetic Logic Unit Components of a Processor, and What Are the Four Steps in a Machine Cycle? Explain in detail with the help of diagram?
- Q.5.** Explain Wireless Transmission Media and write a detailed note on its various types?
- Q.6.** Explain Operating System and write a detailed note on its various types with examples?



**University of Sargodha**

**BS 1<sup>st</sup> Semester Examination 2018**

**Subject: Information Technology**

**Paper: Introduction to ICT (IT:2021)**

**Time Allowed: 2:30 Hours**

**Maximum Marks: 60**

**Note: Objective part is compulsory. Attempt any three questions from subjective part.**

**Objective Part (Compulsory)**

**Q.1. Write short answers of the following in 2-3 lines each.**

**(2\*12)**

1. What is flash memory?
2. What is search engine?
3. What is the use of OMT technology?
4. What is access time?
5. Define i-time and e-time?
6. Name any two types of ROM?
7. Differentiate between CU and ALU?
8. What is the use of serial port?
9. What is stylus?
10. What is multi-core processor?
11. What is difference between GUI operating System and Command line operating system?
12. Define virtual memory?

**Subjective Part (3\*12)**

**Q.2. What is Wireless Transmission media also write brief note on its types??**

**Q.3. Write short note on**

- a) Data projectors
- b) Interactive white boards

**Q.4. Explain different types of non-impact printers?**

**Q.5. How do you use a search engine to search for information on the web, and what is the difference between a search engine and a subject directory?**

**Q.6. What is application software? Also, explain its different types.**

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# **University of Sargodha**

**BS 1<sup>st</sup> Term Examination 2018.**

**Subject: Computer Sc./Software Engineering/Information Technology**

**Paper: Introduction to Information & Communication Technology (ICT-2021)**

**Time Allowed: 2:30 Hours**

**Maximum Marks: 60**

**(New Scheme)**

**Note: Objective part is compulsory. Attempt any three questions from subjective part.**

## **Objective Part (Compulsory)**

- Q.1.** Write short answers of the following in 2-3 lines each. (2\*12)
- How might you evaluate the accuracy of a Web site?
  - How do Web sites benefit individuals' health care?
  - What are the components of a web address??
  - What types of media might a person use to enhance a presentation?
  - What are the types of application software used in communications?
  - How do program instructions transfer in and out of memory?
  - What are two types of designs of Tablet PCs?
  - What are the various types of pen input, and what are other types of input for smart phones?
  - What are two types of wireless printing technology?
  - What is audio resolution, and what are three examples of audio resolutions?
  - What is the purpose of network attached storage devices?
  - What is one difference between microfilm and microfiche?

## **Subjective Part (3\*12)**

- Q.2.** Describe four embedded operating systems. What are the uses for each of the four types?
- Q.3.** What are various network communications standards? Provided detailed answer.
- Q.4.** What are characteristics of relational, object-oriented, and multidimensional databases?
- Q.5.** What are the characteristics of a user interface? And what are the key features of widely used graphics and multimedia programs?
- Q.6.** Write short note on following:
- Touch sensitive pads
  - Mobile Printers
  - Virtual Reality
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