

Registration No:

SCHOOL OF IT (Networking)
SECOND IN-SEMESTER EXAMINATION – 2017
SUMMER SEMESTER, B. VOC. PROGRAM

Course Code: ITN1001

Time: 1 Hour

Course Name: Introduction to Computers

Max. Marks: 20

Instructions: Attempt All Questions.

Section-A Objective Type Questions

(5x1) Marks

1. Which one of the following is the circuit used to store one bit of data?
A) Register B) Encoder C) Decoder D) Flip Flop
2. Which one of the following registers can interact with the secondary storage?
A) MAR B) PC C) IR D) R0
3. The internal Components of the processor are connected by which one of the following?
A) Memory Bus B) Processor Bus C) RAM Bus D) None of the above
4. Which one of the following is the translator used in assembly language programs?
(A) Compiler B) Interpreter C) Assembler D) None of the above
5. A floppy disk contains which one of the following?
A) Circular tracks only B) Sectors only C) Both (A)&(B) D) None of the above

Section-B Short-Answer Questions

(3x2) Marks

1. What are the basic components of a Microprocessor?
2. Define System Bus, Address Bus and Data Bus.
3. What is an ALU? How does it work?

Section-C Essay Questions

(3x3) Marks

1. What do you mean by high level, middle level and low-level languages? Give an example for each.
2. Discuss the difference between Microprocessor and Microcontroller with diagram.
3. Explain the function of system software and Application software with examples. Write their advantages and disadvantages.

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SECOND IN-SEMESTER EXAMINATION – 2017
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Course Code: ITN002

Time: 1 Hour

Course Name: Computer Assembling & Peripheral Installation

Max. Marks: 20

Instructions: Attempt all questions.

Section-A

5x1 Marks

- A. BIOS is used for which one of the following?
 - a. Updating system information on network
 - b. Loading operating system
 - c. Helping in routing
 - d. Taking inputs from keywords and other devices
- B. Which one of the following are components of Central Processing Unit (CPU)?
 - a. Arithmetic logic unit, Mouse
 - b. Arithmetic logic unit, Control unit
 - c. Arithmetic logic unit, Integrated Circuits
 - d. Control Unit, Monitor
- C. All steps given below are involved in the boot process, except for which one of the following?
 - a. Load the operating system in to RAM
 - b. The power on self-test
 - c. Activate the basic input/ output system (BIOS)
 - d. Load application programs
- D. Ensuring that the essential peripheral devices are attached and operational is the function of which one of the following?
 - a. Configuration
 - b. CMOS
 - c. POST
 - d. ROM
- E. IDE or SATA interface connects the Mother Board with which one of the following?
 - a. CDROM
 - b. RAM
 - c. Processor
 - d. Hard disk

Section-B

3x2 Marks

- A. Name two benefits of having a UPS in a system.
- B. Describe the difference between a brownout and a blackout.
- C. Explain what is meant by a non-volatile BIOS.

Section-C

3x3 Marks

- A. Differentiate between Serial and Parallel Ports.
- B. What is a printer? List its types with examples.
- C. Explain the purpose of BIOS in a system.

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Course Code: ITN1003

Time: 1 Hour

Course Name: Internet Basics

Max. Marks: 20

Instructions: Attempt All Questions.

Section-A Objective Type Questions

(5x1) Marks

1. In HTTPS 'S' stands for which one of the following?
A) Simple B) Secure C) Server D) None of these
2. Which one of the following is NOT an application level protocol?
A) FTP B) S/MIME C) PGP D) HTTP
3. Which one of the following is a private IP address?
A) 172.15.14.36 B) 192.168.24.43 C) 168.172.19.39 D) 12.0.0.1
4. A proxy server keeps copies of responses to which one of the following?
A) Current requests B) Recent requests C) Pending requests D) Received Requests
5. Verification of a login name and password is known as which one of the following?
A) Configuration B) Accessibility C) Authentication D) Logging in

Section-B Short-Answer Questions

(3x2) Marks

1. What is a transparent proxy? Define Firewall.
2. What is DHCP? Define DHCP scope.
3. Expand the following: I) FTP II) HTML III) NFS IV) MIME

Section-C Essay Questions

(3x3) Marks

1. What is a Proxy Server and Why do we need to use it?
2. Explain range of TCP/IP classes. What are Private IP addresses?
3. Differentiate between Domain and Workgroup.

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ITN1004 Basic of Networking

Time: 1 Hour

Max. Marks: 20

Instructions: Attempt all questions.

Section-A Multiple Choice Questions

5x1 Marks

- 1.The ARP is used at which layer of OSI model?
(a) Physical (b) Data Link (c) Network (d) Transport
- 2.The IEEE 802.11 is associated with which one of the following?
(a) Token Bus (b) Token Ring (c) Wireless (d) PAN
- 3.Which of the following is the Number of Hosts possible with 192.168.3.4/26 network?
(a)64 (b)32 (c)62 (d)30
- 4.The Telnet uses which one of the following ports for the remote administration?
(a) 20 (b) 21 (c) 22 (d) 23
- 5.Which one of the following is a connectionless protocol?
(a) ARP (b) TCP (c) UDP (d) ICMP

Section-B Short-Answer Type Questions

3x2 Marks

- 1.Define 10Base5 for cables.
- 2.Describe the 5-4-3 rule for IEEE standard
- 3.Differentiate between TCP & UDP.

Section-C Essay Type Questions

3x3 Marks

- 1.Design a network to connect 500 devices. Calculate network devices required and show the layout.
- 2.Calculate Subnets, Hosts, Broadcast ID, Valid range for IP 192.168.5.3/27
- 3.Describe TCP/IP and FTP protocols.

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ITN1005 Basics of Operating Systems

Time: 1 Hour

Max. Marks: 20

Instructions: Attempt all questions.

Section-A Objective Type Questions

(5x1) Marks

1. Which one of the following is true for the function of a Firewall?
 - (a) It blocks incoming network traffic based on source or destination
 - (b) It blocks outgoing network traffic based on source or destination
 - (c) All of the above
 - (d) None of the above
2. Which one of the following does the Application Proxy work on?
 - (a) Network Layer
 - (b) Application Layer
 - (c) Session Layer
 - (d) Physical Layer
3. Which one of the following are the main goals of an OS?
 - (a) Resource Management
 - (b) Resource Abstraction
 - (c) All of the above
 - (d) None of the above
4. Scheduling Algorithms are used to schedule which one of the following?
 - (a) Processes and threads
 - (b) User Programs
 - (c) Compilers and Interpreters
 - (d) Interrupts
5. Which one of the following is correct for all threads of a process?
 - (a) They can access global data of its process
 - (b) They cannot access global data of its process
 - (c) They can access private data of other threads
 - (d) They cannot access its own private data

Section-B Short-Answer Type Questions

(3x1) Marks

1. What is the function of a program counter (PC)?
2. What is a dispatcher in CPU scheduling?
3. What is meant by the Critical Section of a process/thread?

Section-C Essay Type Questions

(3x3) Marks

1. What are threads? Explain with the help of a diagram.
2. Explain the Process State Transition Diagram.
3. Explain Priority Scheduling and draw a Gantt Chart for it.

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ITN1006 Network Devices

Time: 1 Hour

Instructions: Attempt all questions.

Max. Marks: 20

Section-A Multiple Choice Questions

(5x1) Marks

1. Which one of the following is used to create groups by Active Directory users & computers snap-in?

- a) Left Click the OU in which we want to create a user, select new & choose group.
- b) Right Click the OU in which we want to create a user, select new & choose group.
- c) Registry editor
- d) Msconfig

2. Which one of the following is the number of group scopes in an Active Directory?

- a) Two
- b) Three
- c) Five
- d) Ten

3. Which one of the following is **NOT** one of the Four divisions or container Structures in an Active Directory.

- a) Forests
- b) Web
- c) Domain
- d) OU

4) Group policy settings are divided into two categories. Along with Computer Configuration setting, which one of the following is the other category?

- a) Policy configuration Setting
- b) Organizational configuration Setting
- c) Group configuration Setting
- d) User configuration Setting

5) To which one of the following Active Directory containers can Group Policies be applied?

- a) Sites
- b) OUs
- c) domains
- d) All of the above

Section-B Short-Answer Type Questions

(3x2) Marks

1. Differentiate between Dedicated & Non Dedicated Servers.

2. Describe Workgroup & Domain.

3. What are the different editions of Windows 2012 Server.

Section-C Essay Type Questions

(3x3) Marks

1. Describe clearly the Client Server Model with a diagram.

2. Describe principle, ports and working of DHCP.

3. Explain the requirements & advantages of ADDS. Write the steps for creating it?

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