

**Information Technology Mission
University of Calicut**

GATEWAY TO INFORMATION TECHNOLOGY EXAMINATION, AUGUST 2008

Time : 2¹/₂ hours

Max.Marks:100

Part A

***Answer any 15 Questions
Each question carries one mark***

1. FAT stands for
(a) Floppy Attribute Table (b) File Association Table
(c) File Allocation Table (d) Flexible Application Table
2. Absolute path to a folder starts from directory
(a) home (b) bin (c) / (d) current
3. In DOS.... separates the directories
(a) / (b) \ (c) : (d) _
4. Who developed the punch card machine?
(a) Charles Babbage (b) Herman Hollerith (c) Blaise Pascal (d) William Shockly
5. A user interacts with a computer through the
(a) Operating system (b) Application programs (c) Compilers (d) Assemblers
6. File associations are determined by
(a) name of the file (b) type of the file (c) Size of the file (d) Attribute of the file
7. File extension PDF stands for
(a) Printable document format (b) Playable document format
(c) Plottable document format (d) Portable document format
8. In windows 98, the menu that appears when we right click the mouse is
(a) Main menu (b) Context sensitive menu (c) Clear menu (d) Help menu
9. In standby mode
(a) Programs cannot be executed (b) computer consumes less electricity but is ready for immediate use (c) Shuts down smoothly (d) Consumes more electricity than normal mode
10. A computer connected to the internet acts as a to many interconnected servers
(a) Personal computer (b) Client (c) dumb terminal (d) hub
11. A TCP/IP address has groups of up to three numbers each separated by dots
(a) two (b) three (c) four (d) five
12. An ellipsis following a menu item indicates that
(a) a dialogue box appears after the item is selected
(b) additional menu items
(c) menu selection completes an operation
(d) none of the above
13. Any menu can be accessed by pressing Alt+x, where x stands for
(a) FI key (b) Underlined letter in the menu name
(c) Capital letter in the menu name (d) First letter in the menu name
14. The Linux command for displaying the contents of a folder is
(a) ds (b) du (c) pwd (d) ls
15. Find the odd item in the list
(a) CD (b) DVD (c) Tape drive (d) Modem

16. FORTRAN is generation language
(a) first (b) second (c) third (d) fourth
17. What are the two most common LAN access methods?
(a) TCP/IP (b) IPX/SPX (c) Ethernet (d) Token Ring
18. Which is not correct for Linux?
(a) It is an operating system (b) It is multitasking
(c) Mandriva is a linux distribution (d) It is copy protected
19. Fedora is a
(a) Linux operating system (b) Word processor
(c) Windows based package (d) Multimedia application
20. The file permission to read, write and execute for all is represented by
(a) 555 (b) 755 (c) 777 (d) 577

Part B

Answer any 10 Questions

Each question carries one mark

21. *cat* is a command used inoperating system
22. Integrated circuits were introduced ingeneration computers.
23. A program in andesktop gets updated automatically when connected to internet.
24. A single physical drive can be divided in to two or more drives.
25. The expansion for DLL is
26. DNS stands for
27. The short cut key combination for closing an open window is
28. URL is the short form for
29. MS office is a Generation language
30. A source program is a program written in language
31. The writing speed on a CD is marked as 24X. The X here stands for kilo bytes per second.
32. The binary equivalent of 34 is
33. The command for renaming a file in linux is
34. A file name with the extension .gz indicates that it is a file
35. The default extension of a MS Excel file is

Part C

Answer any 10 Questions

Each question carries one mark

State True or False

36. An analogue computer does not require an operating system.
37. A compiler and interpreter basically do the same job.
38. A joystick is used to store data
39. A scanner is an output device
40. If we cut a portion of a file, the cut portion goes to the recycle bin.
41. A text editor can be used as a word processor whereas a word processor cannot be used as a text editor.
42. The open and import menu does the same job.
43. The height of a single cell alone cannot be changed in Excel.
44. A compiler is a machine which translates a program written in a machine language to a high level language
45. The hard disk is a primary storage area

46. The BIOS is situated on the first hard disk in a computer
47. The smallest unit of information on a computer is a byte.
48. A CD-R cannot be formatted whereas a CD-RW can be formatted
49. On high-speed broad band internet your computer has a permanently assigned IP address but on dial-up internet your computer will have a different IP Address assigned every time it goes onto the Internet.
50. In linux a hard disk can be labeled as C:

Part D

Answer any 10 Questions

Each question carries Three marks

51. What is a desktop?
52. What is the role of a driver program?
53. Quoting suitable examples explain the differences between internal and external commands in DOS.
54. Distinguish between the two specifications Mbps and MBps.
55. What does MP3 stand for? Briefly explain its features.
56. What is meant by mounting a device in linux operating system?
57. Differentiate between http and ftp.
58. Explain the functions of (a) ALU (b) Registers (c) Control unit
59. Distinguish between WAN and LAN
60. What is the difference between half duplex and full duplex modes of communication?
61. What is a modem? Distinguish between an internal and external modem.
62. What is the Bluetooth technology for data transfer?
63. Name any one HTML editor. Explain the use of any two tags.
64. In MS word mention the procedure for adding a Header and Footer.
65. List the different ways of formatting numerical extra in a column.

Part E

Answer any 7 Questions

Each question carries Five marks

66. With the help of an appropriate block diagram explain the major functional parts of a computer
67. Briefly explain the functions of the following files:
(a) autoexec.bat (b) config.sys
68. Explain the peculiarities of different generations of computers.
69. Briefly discuss the various tasks of an operating system
70. What is the GNU project. What are the features of freedom of free software?
71. Explain the directory and file structure of Linux operating system.
72. What are the various types of charts that can be generated using MS Excel?
Explain the various types involved in generating and saving any one chart to a floppy diskette.
73. Briefly explain the underlying principles of various network topologies.
74. Write the appropriate tags for creating a web page containing your photo and a brief one paragraph introduction.
75. Write short notes on the following:
(a) Multiplexer (b) Repeater (c) Internet chat

UNIVERSITY OF CALICUT
Information Technology Mission*Gateway to Information Technology Examination, April / May 2010***Time: Two and half Hours****Max. Marks : 100****Part A****(Answer any 15 questions. Each carries one marks)**

1. Pick the odd man out (a) Hard disk (b) Microprocessor (c) GNU / Linux (d) Mouse
2. -----is known as brain of a Computer System (a) Input devices (b) Micro Processor (c) Memory (d) BIOS.
3. 1 Kilobyte = -----bytes (a) 1000 (b) 1024 (c) 100 (d) 2000.
4. Father of modern Computer is (a) Bill Gates (b) Charles Babbage (c) Richard Mathew Stallman (d) Herman Holerith
5. The Binary Equivalent of 21_{10} is (a) 10101_2 (b) 10111_2 (c) 1100_2 (d) 11110_2 .
6. The loading of Operating System into main memory is known as (a) Starting (b) Heating (c) Booting (d) Self Test
7. ----- is a graphical User Interface (a) DOS (b) Unix (c) Windows (d) C
8. ----- holds objects that represent the built in resources of your computer (a) My documents (b) Recycle bin (c) My Computer (d) Internet Explorer.
9. ----- is used for detecting and correcting errors on hard disks (a) Zip (b) Scandisk (c) Archive (d) Defragmenter.
10. In MS excel, a worksheet contains -----columns (a) 255 (b) 128 (c) 256 (d) 100
11. -----is a device used as an interface between a computer and a communication channel (a) Repeater (b) Modem (c) Switch (d) Router
12. The arrangement or physical layout of Computer, cables and other components on the Computer network is called ----- (a) Topology (b) Geometry (c) cluster (d) Group
13. The first web page we will see every time we open a web page is ----- (a) Drawing page (b) Main page (c) Home page (d) None.
14. Which of the following is not a search engine? (a) Perl (b) Altavista (c) Google (d) Yahoo
15. BASIC is a ----- generation programming language (a) First (b) Second (c) Third (d) Fourth.
16. The technology of second generation computers are based on (a) Integrated Chips (b) Vacuum Tubes (c) Transistors (d) None.
17. Which facility in MS Word helps in creating same letter to be pasted to many addresses (a) word Count (b) Spell check (c) Mail merge (c) Bullets.
18. -----can be defined as a frame work or patterns that defines a document's appearance and some of its contents (a) Standard (b) Form (c) Template (d) Layout.

(P.T.O.)

19. The founder of Free Software Foundation (a) Charles Babbage (b) Donald Knuth (c) Richard Mathew Stallman (d) Billgates.
20. Pick the odd man out (a) Fedora (b) Mandrake (c) Redhat (d) Sun Microsystems.

Part B

(Answer any 10 questions, each carries one marks)

21. O.M.R. stands for -----
22. 1 byte = -----bits
23. The first stored program Computer is -----
24. Fifth generation computers are supposed to have -----
25. -----use the best qualities of digital and analog computers.
26. COBOL stands for -----
27. ----- DOS command graphically displays the path of each directory and subdirectory on the given drive.
28. ----- feature of MS Word provides quick and easy way to store and insert frequently used text and graphics.
29. The first line of a paragraph that is printed at the bottom of a page is called -----
30. ----- is a collection of work sheets saved as a single Excel File.
31. In MS Excel, $\text{ROUND}(30.56,0) = \text{-----}$
32. ----- communication mode allows data transmission in both directions simultaneously.
33. ----- is a computer that provides the data, software and hardware resources that are shared on the network.
34. In GNU / LINUX, GNU stands for -----
35. ----- Communication device is helpful when the signal becomes weaker over the transmission medium after a certain distance.

Part C

(Answer any 10 questions. Each question carries one mark)

State True or False

36. Computers are immune to tiredness and boredom
37. Hard disk is an input output device
38. 1 megabyte > 1 terabyte.
39. Compiler is system software.
40. The file structure of DOS is Network.
41. Firmware is read / write.
42. DOS is a multi – user time – sharing operating system.
43. Deleted files at the command prompt do not go into the Recycle Bin
44. In Windows, it is possible to create more than one file with same name in a folder.
45. In MS Word, Hanging indent is used to describe a format in which a paragraph's first line's left indent is less than all of its subsequent lines.
46. In MS Word, a document cannot be protected from opening or modifying by others.
47. Latex is proprietary software.
48. It is not possible to send E-mail to several recipients at the same time.
49. In Ring Topology, the failure of a computer does not affect others on the network.

50. Browser software is essential for navigating through Internet.

(P.T.O.)

Part D

(Answer any 10 questions. Each question carries three marks)

51. Differentiate Hardware and software with example?
52. Differentiate Analog, digital and hybrid computers?
53. Differentiate compiler, assembler and interpreter?
54. Briefly explain any 3 salient features of GNU / Linux operating system?
55. Briefly explain indents available in MS Word?
56. Explain the protection mechanism of MS Word documents?
57. What is a template? How to create a template in MS Word?
58. Explain different data entry methods in MS – Excel?
59. What is the difference between relative and absolute cell referencing in MS –Excel?
60. Explain any three date and time functions in MS Excel?
61. Differentiate simplex, half duplex and full duplex communication modes?
62. Differentiate LAN, WAN and MAN?
63. Write short notes on (a) Bus Topology (b) Star Topology (c) Ring Topology?
64. What is E – Commerce?
65. What is a search Engine? Explain the steps involved in searching a material from Internet?

Part E

(Answer any 7 questions. Each question carries five marks)

66. With the help of a block diagram explain the components of a computer system?
67. Differentiate Micro, Mini, Mainframe and Super Computers?
68. Briefly explain different generations of computer programming languages?
69. Compare and contrast Proprietary and Free / Open source software?
70. Briefly explain Mail merge feature of MS Word? Explain the steps in creating a merged Document?
71. Explain any five mathematical functions in MS Excel?
72. Explain different types of charts available in MS Excel?
73. Write a short note on popular communication channels?
74. What is E – Mail? Explain the steps in sending and replaying mails in Internet?
75. Write short notes on (a) WWW (B) Internet Chatting (c) Multiplexer

