

SECTION	TERTIARY
FIELD	GENERAL
SPECIALTY	ALL
PAPER	COMPUTER STUDIES
COURSE CODE	
NATURE OF PAPER	WRITTEN
COEFFICIENT	2

### INSTRUCTION TO CANDIDATES

Answer **ALL** the questions in the answer booklet provided. Use the pages provided for rough work only for that purpose. Start answering questions only in the section labelled **WRITING PAPER**.

**For Sections A** write just the **letter** corresponding to the right answer against the question number. At section C start each question on a **fresh page**.

This paper is divided into three sections

#### **SECTION A: Multiple Choice Questions** 40 questions 80mks

Tick on the right answer only cancellation and changing of answer is not allowed

1) For which of the following tasks would you use an operating system

- a) To create a contact list      b) To delete files from a folder  
b) To calculate the return on an investment      d) To edit audio and video files

2) How can you tell where the cursor is on the windows desktop

- a) The start button b) Press the spacebar to view  
c) The white arrow d) the last button on the windows task bar

- 3) How can you display a shortcut menu for an item on the windows desktop
- a) Click the left mouse button b) Click the right mouse button
  - b) Double click either mouse button d) Tab the scroll wheel
- 4) To see the programs installed on your system which options from the start button would you use
- a) Documents b) All programs
  - c) Search d) List of quick start items
- 5) What is the best way to shut down the computer
- a) Press the power switch on the computer case b) Click shut down from the start button and let it complete the process
  - c) Press Ctrl+Alt+Delete d) Press Esc
- 6) What is a service park?
- a) A collection of software updates b) A form of spyware
  - c) A shut down mode designed to conserve battery power d) an embedded operating system
- 7) How can viewing the path of a folder or file be helpful
- a) It tells you which drive the file or folder is stored on b) It tells you whether the file or folder is stored on a network
  - c) It tells you the name of the folder and how many levels you must go through to get to it
  - d) Any of the above
- 8) What would be considered an advantage of using a notebook to keep class notes if you are a student?
- a) Cost b) Portability
  - c) Speed d) Size
- 9) Which hand held device could be considered a productivity tool to manage your messages and music
- a) Cellular phone b) Mp3 device
  - c) Smart phone d) E reader
- 10) What are binary numbers?
- a) 1s and 1s b) 0s and 0s
  - c) 1 to 9 d) 1s and 0s
- 11) While is RAM considered volatile?
- a) It disappears when the computer is shutdown or restarted b) It is unstable
  - c) Its contents cannot be changed d) the amount of RAM cannot be changed
- 12) Imagine you work for ABC company and you need to purchase a computer that will store the company customer and order information and make it accessible to several users within the company which type of system should you consider purchasing
- a) A notebook b) A desktop pc
  - c) A server d) APDA

13) Which internal component performs calculations and logical operations?

- a) Microprocessor b) Rom bios
- c) Ram chips d) System board

14) Which statement about solid state drives is accurate?

- a) Solid state drives are less expensive than comparably sized magnetic drives
- b) Solid state drives are available in larger capacities than magnetic drives
- c) Solid state drives have no moving parts d) Solid state drives never wear out

15) A program is made up of: 2mks

- a) Data and raw facts b) Primary storage and hexadecimal numbers
- c) Data and instruction d) None of the above

16) What is an instruction. 2mks

- a) Information fed into the computer for processing b) Series of 1s and 2s inputted into the computer
- c) Lines of hexadecimal numbers in a computer d) Set of binary codes written to perform a specific task

17) Second generation of computers were using ----- Technology 2mks

- a) Artificial intelligence b) Microprocessor
- c) Integrated circuits d) None of the above

18) Which of the following describes the desktop of a computer 2mks

- a) Primary storage location in a computer b) Graphical user interface of a computer
- c) Primary user interface of a computer d) None of the above

19) Which of the following are examples of adobe application programs: 2mks

- a) Photoshop b) Microsoft Outlook express
- c) Illustrator d) Photocard marker

20) A computer component that can retain its content only in the presence of electricity is called? 2mks

- a) Tertiary storage component b) Secondary storage component
- c) Primary storage component d) none of the above

21) A computer component that can retain its content in the presence or absence of electricity is called?

- a) Tertiary storage component b) Secondary storage component
- c) Primary storage component d) None of the above

22) Which term below is used to describe a **system** with more than one CPU

- a) Multiuser b) Multitasking
- c) Multiprocessing d) None of the above

23) Which of the following memory is closer to the processor 2mks

- a) Main memory b) Secondary memory
- c) Cache memory d) none of the above

- 24) Which of the following RAM module need constant refreshment?  
a) Dual inline solid state memory b) Dynamic random access memory  
c) Static random access memory d) none of the above
- 25) What do you plug into a three-row, 15-pin port?  
a) Joystick b) Keyboard  
c) Monitor d) Mouse
- 26) A modern printer usually plugs into which of the following ports?  
a) DB-9 b) DB-25  
c) Mini-DIN d) USB
- 27) Modern keyboards connect to which of the following ports? (Select all that apply.)  
a) DIN b) FireWire  
c) Mini-DIN d) USB
- 28) What sort of connector does a typical network interface card have?  
a) DB-9 b) Mini-DIN  
c) RJ-11 d) RJ-45
- 29) What do you call the commands that tell the computer what to do?  
a) Data b) Morse code  
c) Programming d) Output
- 30) Your laser printer is printing blank pages. Which item should you check first?  
a) Printer drivers b) Toner Cartridge  
c) Printer settings d) Paper Feed
- 31) Which of the following is an advantage of running Windows on NTFS as opposed to FAT?  
a). Security b) Multiple folders  
d) Long filenames e) Speed
- 32) What folder is a central storage location for user files in XP?  
a) Program Files b) My Documents  
c) My Files d) none of the above
- 33) Which utility is helpful in troubleshooting hardware?  
a) System Properties b) Device Manager  
c) Disk Management d) Security Center
- 34) Which feature of Windows 7 enables you to link folders and view their contents together?  
a) Favorites b) Shortcuts  
c) Libraries d) Windows Explorer
- 35) Which of the following is an example of a hybrid topology?

a) Bus b) Ring

c) Star d) Star bus

36) Internet Explorer, Mozilla Firefox, and Google Chrome are all examples of what?

a) Web servers b) DNS

c) Web browsers d) IP addresses

37) If Windows recognizes a device, where will it appear?

a) Device Manager b) C:\Windows\System32\Devices

c) Desktop d) safely remove hardware applet

38) What program does Microsoft include with Windows to partition and format a drive?

a) Format b) Disk Management console

c) Disk Administrator console d) System Commander

39) What does NTFS use to provide security for individual files and folders?

a) Dynamic disks b) ECC

c) Access Control List d) MFT

40) To make your files unreadable by others, what should you use?

a) Clustering b) Compression

c) Disk quotas d) Encryption

41) The internal computer language is? A) Analogue data B) Digital data C) 0 and 1) D) all of the above

42) Hub is associated with ..... network. A) Bus B) Ring C) Star D) Mesh  
E) All of the above

43) Multiplexing involves ..... path and ..... channel. A) one, one B) one, multiple  
C) multiple, one D) multiple, multiple E) None of the above

44) The advantage of L A N is A) sharing peripherals B) backing up your data C) saving  
all your data D) accessing the [web](#) E) automatic printing of data

45) Which type of network would use phone [lines](#)? A) W A N B) L A N C) W A N D) Wireless  
E) None of the above

46) Servers are those computers which provide resources to other computers connected by: A) network  
B) backup system C) server D) peripheral E) modem

47) A combination of hardware and software that allows communication and electronic transfer of information  
between computers is a: A) network B) backup system C) server D) peripheral E) modem

48) What type of resource is most likely to be a shared common resource in a computer network? A) Printers  
B) Speakers C) Floppy Disk Drives D) [Keyboards](#) E) None of the above

49) A device that connects to a network without the use of cables is said to be: A) distributed B) cabled  
C) centralized D) open source E) wireless

50) Communication between a computer and a keyboard involves \_\_\_\_\_ transmission.

a) Automatic

b) Half-duplex

c) Full-duplex

d) Simplex

## **SECTION B SHORT QUESTIONS (25mks)**

- 1) List three motherboard form factors. 3 mks
- 2) List four parts of a computer hard disk drive. 4 mks
- 3) List the two main types of computer software.2mks
- 4) State two main functions of computer BIOS .4mks
- 5) State two characteristics of first generation of computers.3mks
- 6) List the steps that can be used to verify the capacity of computer hard disk drive.4mks
- 7) List the steps that can be used to verify the RAM capacity and the processor frequency of a PC. 5mks

## **Section C ESSAY (25 marks)**

- 1) What is a computer network? 3 marks
- 2) Give examples of computer network and explain? 8 marks
- 3) Differentiate between synchronous and asynchronous transmission? 4 marks
- 4) Write short notes on the following (10marks)
  - a) WAN.....
  - b) LAN .....
  - c) MAN .....
  - d) TCP .....
  - e) IP.....