

END OF TERM ONE S4 COMPUTER EXAM

Instructions

Answer all questions in section A and any two in section B

1. Distinguish between an off-shelf software package and a customized software package

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2. State the meaning of the following:

a). Computer virus

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b). Anti virus

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3. Give five ways in which a computer may contract a virus.

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4. (a) Define the following terms in relation to Database.

(i) field

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(ii) Record

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(iii) Table

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b) (i) Name two Database management systems you know

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(ii) Identify three uses of database managements systems

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5. What is Presentation software?

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b) Give two examples of Presentation software packages you know

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c) Give three uses of presentation software.

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6. If a DVD has a capacity of 21GB. How many CD-Rs of 660MB would be required to store information on the DVD? (02 marks)

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7. (a) State any two advantages of using hexadecimal numbering system. (02 marks)

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(b) Convert the following bit patterns:

(i) 10010101 to hexadecimal numbering system. (04 marks)

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(ii) 1011011 to octal numbering system. (04 marks)

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8. Differentiate between computer literacy and digital divide.

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9. Write the following in full

CMOS	ASCII	DSL	EDVAC	BASIC	HTML	ISDN
BIOS	EBCDIC	LSI	MIPS	FORTRAN	ASP	CBT
ADSL	FDDI	EDSAC	LARC	VR	DBMS	
LCD	MIDI	UNIVAC	SPX	ISP	GIGO	COBOL
CRT	IPX	VLSI	POST	CAD		
STP	UTP	ATM	URL	OOP	WBT	

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(02 marks)

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Email address

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[illegible]

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TCP.....

Token ring

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IP.....
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HTTP.....
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IPX.....
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SPX.....
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FTP.....
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12. Define the following terms as applied in data communication.

Transfer rate

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Band width

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b) State the factors that affect the transmission rate of a network

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13. Explain the term a software suit as applied in computer software

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b) Identify two software suits that you know

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c) State two advantages of purchasing software suits other than buying a single application

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14. Explain the role of the following communication devices

a) Multiplexer

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b) Hub

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c) Switch

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d) Bridge

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e) Router

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f) Repeater

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g) Gateway

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15. (a) Explain what is meaning of the terms Volatile and non-volatile when referring to Primary memory. (4marks)

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b) State the 4 differences between ROM and RAM

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SECTION C

16. What are the merits and demerits of learning using the Internet over using textbook learning?
17. Your school wants to buy a computer system to help them out in processing student's reports, school fees defaulters, communication and general office work. As a student of computer studies the possible specifications the school should consider before buying that computer set (20marks)
18. Describe how the internet is misused by society and suggest measures that can be adopted to reduce the danger. (20 marks)
19. An Examination Board has decided to use Optical Character Recognition (OCR) software to convert candidates' examination scripts into an electronic format. Examiners will then receive and mark scripts electronically. Outline advantages and disadvantages to the examiner of receiving and marking scripts in this way. (20 marks)