**Name…………………………………………………………………. Adm No………………**

**School…………………………………………………………………Signature…………….**

**Date…………………………………………**

**COMPUTER STUDIES PAPER**

**TIME: 2HRS**

**MID-TERM TERM 1 FORM 3**

**Answer ALL questions in this question paper: 70 MARKS**

1. State three operations that can be performed on relational database files. (3mks)

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2. Differentiate between the following pair of terms as used in database design:

a) Input mask and design. (2mks)

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 b) Table and query. (2mks)

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3. Explain **four** factors to be considered when purchasing an operating system. (4mks)

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4. Write an algorithm to compute the area of a triangle. (2mks)

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5. a) i) State **three** ways of moving round the page in desktop publishing window (3mks)

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ii) State **two** ways on how information & communication technology (ICT) can be used to reduce the spread of HIV/ AIDS (2mks)

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b) i) List **four** types of publications that can be designed by using desktop publishing software. (4mks)

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ii) Name any **three** types of graphs that are supported by spreadsheets (3mks)

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6. State **three** benefits of using a computer in a school library (3mks)

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7. Explain **two** ways in which ICT can enhance commerce. (2mks)

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8. Explain the following software terms:

 i) Portability (2mk)

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 ii) Modularity (2mk)

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9. Explain two ways in which computers have impacted on Education. (4mks)

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 10. Explain the following graphic terms:

 i) Rotate (2mk)

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 ii) Crop (2mk)

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11. a) List **two** arithmetic operations that can be performed on a row of numeric data in a word processing table. (2mk)

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b) In each case of (a) above, write the expression used. (2mks)

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12. State **two** methods of gathering information during system development process. (2mks)

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13. Name **three** types of optical disks. (3mks)

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14. State the purpose of each of the following: (4mks)

 i) File server software

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 ii) Communication software

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15. Explain why input screens are better data entry designs than entering data directly to a table. (3 marks)

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16. List **two** career opportunities associated with databases. (2 marks)

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17. a) Distinguish between:

 i) A table in word-processing application and a table in a database application (2 marks)

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 ii) Mouse pointer and insertion point. (2 marks)

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b) Outline the steps to be followed in order to merge cells in a word processing table. (2 marks)

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18. Give **four** differences between present days’ computers and the older generation of computers

(4mks)

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