**DECEMBER HOLIDAY ASSIGNMENT (2022)**

**COMPUTER STUDIES (451)**

**FORM TWO**

1. Describe three situations under which warm booting of a computer may be necessary **(3marks)**
2. Give three devices under the control of operating system **(3marks)**
3. What is automatic recalculation **(2mark)**
4. Computers evolved through different technological advancement from the first generation to the fifth generation. Differentiate between the 2nd and 3rd generation computers in terms of Inputs, Technology and Programs **(3marks)**
5. Explain the function of a master page as used in desktop publishing software **(2marks)**
6. Describe the term portability with regard to software and hardware **(2marks)**
7. With an aid of an example explain the main parts of an URL **(3marks)**
8. State three causes of data loss in computing **(3marks)**
9. Define the term proofreading **(1mark)**
10. Explain the functions of the following disk management operations **(2marks)**
11. Disk defragmentation
12. Disk partitioning
13. State main functions of the graphic adapters **(2marks)**
14. Write the equivalent R1C1 reference for F17 **(2marks)**
15. The formula **=$A1+C2** is initially typed in cell D1. What will it be when copied to cell E1 **(2marks)**
16. Briefly describe three factors to consider when choosing an ISP **(3marks)**
17. Name three facilities that are needed to connect to the internet **(3marks)**
18. State three ways students can benefit by having internet in school **(3marks)**
19. Write the following abbreviations in full **(3marks)**

URL

WWW

HTTP

1. Use the table below to answer the questions that follow

**Student Details**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| AddNO | Name | DOB | Mark1 | Mark2 | Total |
| 12345 | John Odhiambo | 01/01/1978 | 50 | 40 | 90 |
| 14567 | Walter Sign | 05/09/1987 | 50 | 20 | 70 |
| 13576 | Erick Bakilo | 27/10/2000 | 56 | 40 | 96 |

1. Identify the most appropriate type for AddNO  **(1mark)**
2. Write an expression that will restrict entries of future dates in the DOB column **(1mark)**
3. Given that the data type for Total is calculated write an expression that will be entered in the expression builder to enable the user set this data type **(2marks)**
4. Describe two main functions of a form as a database object **(2marks)**
5. State the spreadsheet function that can be used to obtain each of the following values in a worksheet
6. Assign the students position based on the performance **(1mark)**
7. Calculate the total score of marks that are greater than mean mark **(1mark)**
8. Number of cells with a value in a column **(1mark)**
9. Get the number with the highest value in a row **(1mark)**
10. Name four table formatting features **(4marks)**
11. State three tools in a word processor that would help a user to minimize spelling mistakes when creating a document **(3marks)**
12. A student typed a letter in a word processor and the last line of the letter flowed to the second page. State four ways in which the student could have adjusted the letter to fit on one page without changing the paper size **(4marks)**
13. Define the term warranty (**2marks)**
14. The Head teacher of Mooch intends to buy a printer for the finance office for printing payment receipts
15. Advise him on the appropriate type of printer he would purchase. **(1mark)**
16. Name three consideration he should observe before purchasing the output device **(3marks)**
17. Mention three challenges of using an online record to keep track of patients **(3marks)**
18. Computer is built from three types of physical components, Processor, memory and I/O devices. State the functions of each of the above components **(3marks)**
19. List two characteristics of Static RAM **(2marks)**
20. Mention three features of a USB cable **(3marks)**
21. Enumerate three advantages of standard software over in house developed software **(3marks)**
22. Give two reasons to justify why operating system must be installed first in a computer **(2marks)**
23. State any four differences between older generation computers and present computers **(4marks)**
24. What precautions would you take in the computer room in case of the following **(3marks)**
25. The humidity falls below normal for long periods due to weather changes
26. User complain of backache after long period of using computers
27. Improper air circulation