1. Answer the following questions. [6×2=12]
2. Difference between analog and digital computer.
3. Explain the type of digital computer in short.
4. List the features of fifth generation computer.
5. Who is the first female programmer in the history of computer? Why?
6. Computer operate nearly 100% accurately but why is the phrase ‘garbage in garbage out’ associated with their use? Discuss.
7. List any three weakness of computer.
8. Write True or False. \*\*Don’t use (✓) or (✗)\*\* [6]
9. Computer is a smart machine which can do any work without the instruction of the user.
10. The software enables the hardware to operate; without them, a computer cannot do anything at all.
11. Charles Babbage, an English mathematician, designed and built an automatic, mechanical calculator called Difference Engine in 1823 A.D.
12. The history of computer in Nepal, dates back to 2028, when a second generation IBM 1401 computer, was initially hired on rent by The Government of Nepal, paying Rs.one lakh twenty five thousand per month to use in the census of that year.
13. The LSI (Large Scale Integration) circuit and VLSI (Very Large Scale Integration) circuit was designed in fifth generation of computers.
14. Analog computer is a computer that operates with information and numerical data represented in a digital form (0s and 1s).
15. Fill in the blanks. [6]
16. A computer has a high degree of \_\_\_\_\_\_ because it carries out calculation with high speed and accuracy.
17. A set of instructions that performs a particular task is called a \_\_\_\_\_\_\_\_\_\_.
18. Blaise Pascal, a French mathematician built the first mechanical digital calculator called \_\_\_\_\_\_\_\_\_ in 1642 AD.
19. The first-generation computer began with the development of \_\_\_\_\_\_\_\_.
20. \_\_\_\_\_\_\_\_\_ is a computer that operates on data by measuring changes in a continuous physical quantity such as temperature, speed, voltage, and pressure.
21. \_\_\_\_\_\_\_\_\_\_ are the computer designed to provide service to client machines in a computer network.
22. Match the following [6]

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| --- | --- |
| Information | Maurice V. Wilks |
| hardware | Integrated circuit |
| EDSAC | Meaningful result given by the computer, after processing |
| Mechanical loom | The physical components that make up a computer system. |
| Third generation computer | Joseph-Marie Jacquard |

1. Write short notes on [5×2=10]
2. Hybrid computer
3. Fourth generation computer
4. UNIVAC
5. Server
6. Microcomputer
7. Numerical [5×2=10]
8. [11100]2 = [?]10
9. [101]10 = [??]2
10. [700]8 =[??]10
11. [69]10 = [??]8
12. [101011]2 = [??]10