**Koshi Saint James Residential Secondary School**

Itahari -9, Sunsari

Class :- 8  **Second Terminal Examination – 2079** F.M.:- 50

Subject:- Computer P.M.:- 20

1. **Short Answer Questions.** *(Any ten)* **[10×1=10]**
2. Define virtual reality.
3. Why is computer called information processing machine?
4. Define the term Artificial Intelligence.
5. What are the uses of supercomputers?
6. What is binary number system?
7. Who is known as first computer programmer?
8. Define cyber law.
9. What is polymorphic virus?
10. What were the devices invented by Charles Babbage?
11. List any two hardware technologies used in ICT.
12. List any two source for transmission of computer virus.
13. Write any two operating system used in mobile phones?
14. **Short Answer Questions. (***Any seven)*  **[7×4=28]**
15. Write the full form of:

i. UNIVAC ii. ATM iii. PDA iv. DVD

1. Explain the working principle of computer with block diagram.
2. What is antivirus software? List any four preventive measures against computer viruses.
3. “Computer is a brilliant gift of Science and Technology to our daily life”. Explain this statement in short.
4. Write short notes on: *(Any two)*

i. Third Generation Computer ii. Single User OS

iii. Charles Babbage

1. What are Language Translators? Explain the different types of language processors in brief.
2. What is computer ethics? Write any four commandments of computer ethics.
3. What is generation of computer? What are the main electronic components used in all different generations of computer?
4. What is multimedia? List any four advantages of multimedia.
5. **Long Answer Question.** *(Any two)* **[2×6=12]**
6. i. Perform the binary calculation of the following.
   1. 111×10 b. 10110 - 1001 c. 1010 + 1110

ii. Convert the following as directed.

a. (221)8 = (?)10 b. (119)10 = (?)2 c. (76)10 = (?)8

1. What is ICT? Write any three positive and negative aspects of ICT? Explain the role of ICT in education during COVID-19 pandemic.
2. What is Software? Explain the different types of System Software and Application software.