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| **KIST COLLEGE OF INFORMATION TECHNOLOGY**  **Kamalpokhari, Kathmandu**  **2021**  Bachelor in Information Technology (B.I.T.) Firs Semester / Pre-Board Time: 03:00 hrs. Full marks: 60 / Pass Marks: 30  **BIT101CO:Fundamentals and Information Technology** |

*Candidates are required to give their answers in their own words as far as practicable. Figures in the margin indicate full mark*

**Group A**

**Answer two questions. 2\*12=24**

1. What are the new technologies used on information technology? Explain with example.

2. What is processor and microprocessor? Explain how CPU and memory work.

3. (a) What is operating system? Discuss operating system function in detail.

(b) What are the five-generation of programming languages? Discuss the advantages and disadvantages of assembly languages and high level languages

**Group B**

**Answer six questions. 6\*6=36**

1. Explain the application of computer in various field.
2. What is memory? Explain different types of memory.
3. What do you mean by network protocol? List the different types of protocol? Explain any two of them.
4. Illustrate the components of data warehouse.
5. What is Computer crime? What are the different types of information protection technique?
6. List the different types of input and output devices. Describe the factors that quality of monitor depends on.
7. Explain database management system, data mining, data marts and OLAP.
8. Write short notes on any TWO:
9. BIOS
10. CMOS
11. SMPS