

५. नाफा नोक्सान खाता भन्नाले के बुझिन्छ ? यो खाताको महत्वका बारेमा चर्चा गर्दै बैंकको कूल नाफा (Gross profit) र खूद नाफा (Net profit) बीचका भिन्नताहरु उल्लेख गर्नुहोस् ।

**Rastriya Banijya Bank Limited**

**Level 5, Senior Assistant (Computer Operator), Internal Competition,  
Written Examination**

**Date: 2072-8-5**

**Paper: Second**

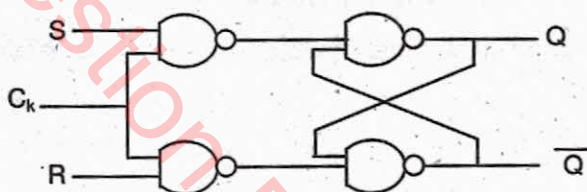
**Time: 3 hours**

**Subject: Computer / IT Knowledge**

**Full marks: 100**

**Attempt all Questions. All questions are equal marks.**

1. a. Draw a truth table of the following where  $C_k = 1$



1. b. A benchmark program is run on a 40 MHz processor. The executed program consists of 1,00,000 instruction executions, with the following instruction mix and clock cycle count:

Instruction type	Instruction count	Cycles per instruction
Integer arithmetic	45,000	1
Data transfer	32,000	2
Floating point	15,000	2
Control transfer	8,000	2

Determine the effective CPI, MIPS rate and execution time for this program.

- Describe network topology. Explain its types with advantages and disadvantages.
- What is an Operating System? Describe in brief different categories of operating system depending upon of its architecture.
- What do you mean by good data model? Explain database normalization with examples.
- State the major concerns about the computer crime and privacy policy in Nepal.