



NORTHERN UNIVERSITY

B A N G L A D E S H

Knowledge for Innovation and Change

ANSWER SCRIPT

ID No: 30180200510

Program: BTX

Course Code: ME-3301

Course Title: Engineering Materials and Practices

Section: A

Semester: Fall

Year: 2020

Examination (Mid/ final): Mid

Teacher's Name (Acronym): ZM

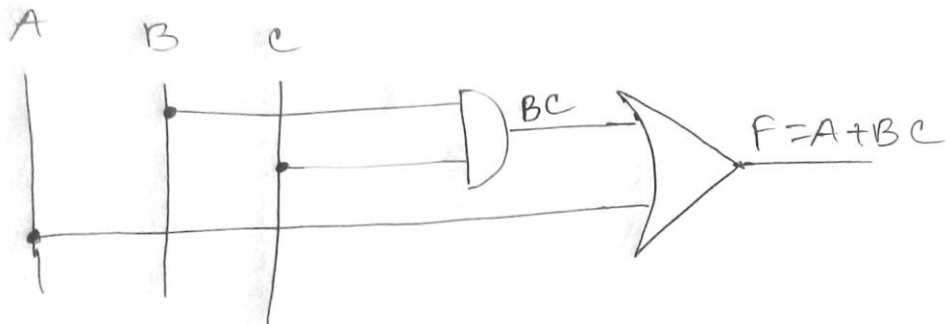
SOP

| AB \ CD | | | | | |
|---------|----|----|----|----|------|
| | 00 | 01 | 11 | 10 | |
| 00 | | | | | |
| 01 | | | 1 | 1 | → BC |
| 11 | 1 | 1 | 1 | 1 | |
| 10 | 1 | 1 | 1 | 1 | → A |

POS

| AB \ CD | | | | | |
|---------|----|----|----|----|---------|
| | 00 | 01 | 11 | 10 | |
| 00 | 0 | 0 | 0 | 0 | → A + B |
| 01 | 0 | 0 | | | → A + C |
| 11 | | | | | |
| 10 | | | | | |

$$F = A + BC$$



$$F = (A+B)(A+C)$$

