

QUESTION PAPER

Introduction to Computing (CS101)

Mid-semester Examination (33 Ques., 100 Max Points)

Time: 1400–1600 (2 hours) Pages: 9

IIT

Guwahati, India

25 Feb. 2014 (Tue.)

INSTRUCTIONS

1. Write answers in the separate ANSWER SHEET provided to you.
2. Write name, Roll No. in the space provided below and also on the answer sheet.
3. Note that there will be NEGATIVE marking for multiple choice type questions.
4. No questions will be entertained during the exam.
5. No partial marks will be awarded for any question.

Roll No.

1	3	0	1	0	8	0	3	0
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Name

Nama Pranay Narish

PART-A

Multiple choice questions. Encircle the correct choice in the answer sheet.

Correct answer = +2 marks. Wrong answer = -1 mark.

1. Which statement will print the string?

Assume char str[10];

- (A) printf("%s", &str);
- (B) printf("%s", str);
- (C) printf("%c", str);
- (D) printf("%s", str[]);

2. What is the output of the following program?

```
#include <stdio.h>
void main() {
    int i = 0, k;
    if (i == 0)
        goto end;
    for (k = 0; k < 3; k++)
        printf("hi\n");
    end: printf("%d", i);
}
```

- (A) 0
- (B) hi hi hi 0 0 0
- (C) 0 hi hi hi 0 0 0
- (D) 0 0 0

3. What is the output of the following program?

```
#include <stdio.h>
void main()
{
    int i = 0, j = 0, k=0;
    printf("k= ");
    for (i = 0; i < 4; i++)
    {
        for (j = 0; j < 2; j++)
        {
            if (i > 2)
                continue;
            k = i+j;
            printf(" %d ", k);
        }
    }
}
```

- (A) k= 0 1 1 2 2 3 3 4
- (B) k= 0 1 2 3 0 1 2 3 4
- (C) k= 0 1 1 2 2 3
- (D) k= 0 1 1 2 3 4 2 3 4