



भारतीय सूचना प्रौद्योगिकी संस्थान इलाहाबाद
Indian Institute of Information Technology Allahabad
An Institute of National Importance by Act of Parliament
Deoghat Jhalwa, Allahabad-211015 (U.P.) INDIA

Ph.: 0532-2922025, 2922067, Fax : 0532-2430006, Web : www.iita.ac.in, E-mail : contact@iita.ac.in

Computer organisation and Architecture Lab assignment (Date: 6th Feb 2020)

Q1.) Write a MIPS program, which will take a number as input i.e. 'n' and print all odd number from 1 to n. [Marks - 4]

Ex. 1

Input: n=6

Output: 1, 3, 5

Ex. 2

Input: 2

Output: 1

Q2.) For the given 'C'-Language program write the equivalent MIPS program [Marks - 4]

```
int tmp = 0;
for (int a = 0; a < 5; ++a)
{
    tmp = tmp * 2 + 3
}
```

= ???