

M.C.A. Sem - IV (Choice Based Credit System 2011 & 2012 Course) :

SUMMER - 2019

SUBJECT : DESIGN PATTERNS & HCI

Day : **Saturday**
Date : **20/04/2019**

S-2019-2175

Time : **10.00 AM TO 01.00 PM**
Max. Marks : **100**

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and attempt **ANY TWO** questions from Section – II.
 - 2) Answers to both the sections should be written in ' *SAME* ' answer books.
 - 3) Figures to the right indicate **FULL** marks.
-

SECTION – I

- Q.1** Explain the use of patterns while solving problem. [15]
- Q.2** Illustrate chain of responsibility pattern with example. [15]
- Q.3** Explain prototype design pattern in detail. [15]
- Q.4** Explain proxy design pattern with example. [15]
- Q.5** Write short notes on **ANY THREE** of the following: [15]
- a) Template Method
 - b) Builder Design
 - c) Lexical Model
 - d) Synchronous Interaction
 - e) Bridge Pattern

SECTION – II

- Q.6** What is adapter design pattern? Illustrate its application with example. [20]
- Q.7** Explain future applications of HCI in different fields. [20]
- Q.8** How HCI plays an important role in social networking? [20]

* * * *