

I.M.C.A. SEM–VIII (2014 Course) CBCS : SUMMER - 2019

SUBJECT : DESIGN PATTERNS & HCI

Day : **Saturday**

Date : **20/04/2019**

S-2019-2143

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.
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SECTION – I

- Q.1** Explain the use of patterns while solving problem. [15]
- Q.2** What is prototype design pattern? Illustrate with example. [15]
- Q.3** Explain use of proxy design pattern. [15]
- Q.4** Explain chain of Responsibility pattern with example. [15]
- Q.5** Write short notes on **ANY THREE** of the following: [15]
- a) Template Method
 - b) Goals of HCI
 - c) Bridge Pattern
 - d) Builder Design
 - e) Error Prevention

SECTION – II

- Q.6** Illustrate strategy design pattern with example. [20]
- Q.7** Explain future application of HCI models in educational field. [20]
- Q.8** How human computer interface is affected by the human diversity? [20]

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