I-MCA. Sem-VIII (CBCS – 2014 COURSE): Winter-2022.
SUBJECT: DESIGN PATTERNS AND HCI

Day : Monday   Time: 10:00 AM TO 1:00 P.M.
Date : 26-12-2022   Max. Marks: 100.

W-10094-2022

N.B.:

1) Attempt any **FOUR** questions from Section-I and any **TWO** questions from Section-II.
2) Both the sections should be written in **SEPARATE** 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 What is Prototype design pattern? Illustrate with example.   **(15)**

Q.3 Explain the use of proxy design pattern.   **(15)**

Q.4 Explain chain of responsibility pattern with example.

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 different HCI models in detail.   **(20)**

Q.8 How human computer interface is affected by the human diversity?   **(20)**

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