Program: Master of Computer Applications

Curriculum Scheme: MCA 2 YEAR COURSE

Examination: MCA FIRST YEAR SEMESTER-1 JANUARY 2022(ATKT)

Course Code: MCA12 and Course Name: Advanced Java

Time: 10:00 am to 12:00 noon Max. Marks: 80

Section I – MCQ (40 Marks) - 40 Minutes (10:00 am – 10:40 am)

Section II – Subjective (40 Marks) - 80 Minutes (10:40 am – 12:00 noon)

==============================================================================

**SECTION II**

|  |  |  |  |
| --- | --- | --- | --- |
| **Q.2** |  | Solve any **TWO** questions among following THREE question. | **[20 Marks]** |
|  | **1** | Explain implicit objects in JSP. |  |
|  | **2** | What is Collections? Explain any two classes. |  |
|  | **3** | Explain spring framework with suitable diagram. |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Q.3** |  | Solve any **TWO** questions among following THREE question. | **[20 Marks]** |
|  | **1** | Explain spring AOP in details. |  |
|  | **2** | Explain Spring Boot RESTful WebService with example. |  |
|  | **3** | Explain Data Access operations with JdbcTemplate and Spring. |  |