| Seat No  |        |       | N         | o. of printed pages: 2 |
|----------|--------|-------|-----------|------------------------|
| 15/A-11) | SARDAR | PATEL | UNIVERSIT | X.                     |

Master of Computer Application
Semester - V ATKT External Examinations

## PS05EMCA02 – Advanced Java Programming

|       |  |   | 16 <sup>th</sup> April, | 2019       | , Tresday                            |      |  |  |
|-------|--|---|-------------------------|------------|--------------------------------------|------|--|--|
| Tim   | e: 10:0  | 00 a.m. to 1:00 p.m.  |                         |            | Max Marks:                           | 70   |  |  |
| 01.   | Choo   | se the most appropriate opti  | on for each quest       | ion.       |                                      | [8]  |  |  |
| i.    |  | is a Software Code  | that controls the       | intera     | ctions between the Model and View.   |      |  |  |
| •••   | A)   |   | В)                      |            | Control                              |      |  |  |
|       | CÌ   | ISP   | D                       | )          | None of these                        |      |  |  |
| ii.   | The  | The file contains the configuration information that you will be modifying as |                         |            |                                      |      |  |  |
|       |  | ns are developed  |                         |            |                                      |      |  |  |
|       | A)   |   | В                       | )          | Struts.xml                           |      |  |  |
|       | c)   | web.xml   |                         |            | None of these                        |      |  |  |
| iii.  | The  | tag generat   | es an iterator bas      | ed on t    | the val attribute supplied.          |      |  |  |
|       | A) -   |   | B)                      | )          | merge                                |      |  |  |
|       | C)   | generator   | D)                      |            | iterator                             |      |  |  |
| iv.   |  | _is a programming technique   | for converting da       | ta betv    | ween relational databases and object |      |  |  |
|       | orier  | nted programming languages.   |                         |            |                                      |      |  |  |
|       | A)   | Object oriented Relation M  | lapping B               | )          | Object Relation programming          |      |  |  |
|       | C)   | Object Relation Mapping   | D                       | )          | Object Relational Mapping            |      |  |  |
| ٧.    | Α  | represents a unit of wo   | rk with the datab       | ase and    | d most of the RDBMS supports         |      |  |  |
|       | trans  | saction functionality.  |                         |            |                                      |      |  |  |
|       | A)   | session   |                         |            | criteria                             |      |  |  |
|       | C)   | transaction   |                         |            | None of these                        |      |  |  |
| vi.   |  | serves as a factory   | for spawning Ent        | ityMar     | nager objects when required.         |      |  |  |
|       | A)   | Entityfactory   |                         | -          | EntityManager                        |      |  |  |
|       | C)   | EntityManagerFactory  |                         | •          | Entity                               |      |  |  |
| vii.  | Pers   | Persistent objects are retrieved using a object                               |                         |            |                                      |      |  |  |
|       | A)   | session   |                         | <i>'</i> . | criteria                             |      |  |  |
|       | C)   | transaction   |                         | ))         | None of these                        |      |  |  |
| viii. | beans represents persistent data storage  A) Stateful B) Stateless |   |                         |            |                                      |      |  |  |
|       | A)   | Stateful  |                         | -          |                                      |      |  |  |
|       | C)   | EJB   | Ĺ                       | ))         | None of these                        |      |  |  |
|       |  |   |                         |            |                                      |      |  |  |
|       |  |   |                         |            |                                      |      |  |  |
|       |  |   |                         |            |                                      |      |  |  |
| Q2.   | Ans  | wer the following questions (   | Any Seven):             |            |                                      | [14] |  |  |
| a.    | List any four advantages of Servlet in comparison with CGI.        |   |                         |            |                                      |      |  |  |
|       |  | any 4 types of Servlet filters.   | 1                       |            |                                      |      |  |  |
| b.    |  | te the code use to declare variations.  | able named "str" i      | n JSP r    | nages.                               |      |  |  |
| с.    |  |   |                         |            |                                      |      |  |  |
| d.    | Exp  | lain proxy J2EE design patter   | 110.                    |            |                                      |      |  |  |