

## EXAMINATION QUESTION PAPER

e-DAC, May 2021

EXAM Type : Main

Module Name : Web Based Java Programming

SET: A

DATE: 09/8/2021

Duration: 3hrs

Max. Marks: 40

### INSTRUCTIONS:

- All Questions are compulsory.
- Create one folder on your machine rename it with your PRN (Pls use complete PRN)
- Copy all the solution files of all questions in the above created folder
- After copying all the files right click on main folder select option "Add to Achieve" and click on radio button in front of zip option.
- It will create zip folder of your PRN. This will be your final folder to upload.
- **Submissions : Only Code and screen shots of output**
- Please note before uploading zip folder make sure you have copied all your relevant files in the respective folders. Once you upload the final folder you will not be able to re upload it.
- Kindly ensure before creating zip file, make sure all the required files should be closed to avoid any corruption of the zip file.
- Zip File should be renamed with FULL PRN No. of the candidate. (For example: 210540181001.zip)

### Marks distribution:

1. Employee & Department POJO with JPA annotations + correct table creation : 8 marks
2. Department Dao & Employee Dao with suitable API : 6 marks
3. Department Service & Employee Service with validation logic : 4 marks
4. HomePage Controller, Dept Controller , Emp Controller with proper D.I : 10 marks
5. JSP based view layer : 6 marks
6. Coding style , comments & correct output : 6 marks

Refer to the page flow diagram below

Develop Spring MVC JPA based web application , preferably using Spring boot for the same.

Layers involved are

Controller --Service --DAO --POJO --DB

Insert details for at least 2 departments , having 2 & 3 emps each.

Spring MVC JPA Based web application using Spring Boot (preferably)

