

CMP514 - Advance Java - Exam Jan 2019

P131/CMP514/EE/20190223

Sem-5

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
2. Each Sub-question carry 5 marks.
3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
4. Question paper of 80 Marks, it will be converted in to your programme structure marks.

1. Solve any **four** sub-questions.

- a) Explain JDBC Architecture. 5
- b) Explain Callable statement with simple example. 5
- c) What do you mean by Metadata? Why we are using it? 5
- d) What is a Servlet Filter? Explain life cycle. 5
- e) What is the difference between GET and POST method? 5

2. Solve any **four** sub-questions.

- a) Explain JSP and tell its uses. 5
- b) Explain handling of runtime exceptions. 5
- c) Explain in brief session maintaining between client and server. 5
- d) What is Hibernate? What are the benefits of Hibernate over JDBC? 5
- e) What is the difference between LOAD() and GET() method in Hibernate? 5

3. Solve any **four** sub-questions.

- a) What is spring? What are benefits of Spring Framework? 5
- b) Write a code for reading attachment message using JavaMail. 5
- c) Write a short note on Construction Injection. 5
- d) Define Spring MVC. Explain MVC framework. 5
- e) What is Dispatcher Servlet? 5

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4. Solve any **four** sub-questions.

- a) What is JavaMail? Which protocols are used in JavaMail API? 5
- b) Explain POP, SMTP and IMAP protocols. 5
- c) Write a code for reading multipart mail using JavaMail. 5
- d) What is JSON? Explain the features of JSON. 5
- e) What is Spring IOC container? What are the benefits of IOC? 5

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Date