Roll No. : ....

Total No. of Questions : **9**] [Total No. of Pages : **3**

3335

B.Tech. (CSE) 6th Semester (Supplementary)
Examination, July–2021
(G Scheme)

ADVANCED JAVA

Paper–PCC–CSE–306–G

Time : **Three** *Hours*] [*Maximum Marks : 75*

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note :– Attempt *five* questions in total. Question No. **1** is compulsory and selecting *one* question from each Unit.

1. Explain the following :

   (a) Generic Servelets

   (b) MVC in JSP

   (c) Spring AOP

   (d) Single thread model

   (e) UI tags

   (f) J2EE design pattern 2½×6=15

   Unit–I 15 each

2. What is Servelet ? Explain the life cycle of Servelet.

3. What is JSP Technology ? How does it work ? Also explain JSP9 objects ?

   Unit–II 15 each

4. Explain the features of struts and struts 2 architecture in detail.

5. What is Java mail API ? Write the methods used for sending and receiving mail using JAVA Mail API.

   Unit–III 15 each

6. Explain the architecture of Hibernate in detail.

7. What is Spring ? Explain dependency injection methods.

Unit–IV   15 each

8. Explain building blocks and architecture of Android.

9. Explain structural and behavioural Java design patterns.

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