NAVRACHANA UNIVERSITY
a UGC recognized University

School: School of Engineering and Technology
Program/s: BTech(IT)
Year: 3rd **Semester:** 5th
Examination: End Semester Examination
Examination year: December - 2021

Course Code: IT312 **Course Name:** Advanced Java Programming
Date: 03/12/2021 **Total Marks:** 40
Time: 08:30 am to 10:30 am **Total Pages:** 01

Instructions:

→ *Write each answer on a new page.*
→ *Use of a simple calculator is permitted.*
→ *Draw all relevant waveforms in answer sheet only.*
→ ** COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping*

Q. No.	Details	Marks	COs*	BTL#
Q.1	**Attempt any five**	**[10]**		
A.	Explain domain names in detail.	[02]	CO2	BT3
B.	Write an example of IPv6 address.	[02]	CO2	BT3
C.	Differentiate between Parameter and Attribute in JSP/Servlet.	[02]	CO3	BT2
D.	Explain different types of comments which can be used in JSP.	[02]	CO3	BT1
E.	Explain any two JSP implicit objects.	[02]	CO3	BT1
F.	Justify. Spring is also called as framework of frameworks.	[02]	CO4	BT3
Q.2	**Attempt any two**	**[10]**		
A.	What is the role of deployment descriptor in web application deployment? Explain in brief.	[05]	CO2	BT1
B.	Write a short note on Java Beans.	[05]	CO3	BT1
C.	Explain different types of directive which can be used in JSP page.	[05]	CO3	BT1
Q.3	**Attempt any two**	**[20]**		
A.	Write a short note on socket programming. Explain with an appropriate example the client – server communication using socket programming.	[10]	CO2	BT3
B.	What do understand by MVC? Explain the role of each java technology in MVC architecture.	[10]	CO3	BT2
C.	Write a short note on java spring framework.	[10]	CO4	BT1

************End of Question Paper************