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NEPNY-44-2023

FACULTY OF SCIENCE AND TECHNOLOGY

M.Sc. (NEP) (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

COMPUTER SCIENCE

Paper-SCMPSC-403

(Advanced Java)

(Tuesday, 26-12-2023)

Time: 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—80

- N.B. := (i) All questions carry equal marks.
 - (ii) Question No. 1 will be compulsory.
 - (iii) Attempt any three from Q. No. 2 to Q. No. 6.
 - (iv) Assume suitable data if necessary.
- 1. Attempt the following questions:

20

- (a) Explain vector class.
- (b) Explain thread synchronization.
- (c) Explain callable statement in brief.
- (d) Explain the concept of meta data.

P.T.O.

WT		(2) NEPNY—44	2023
2.	Atten	npt the following questions:	20
	(a)	Explain thread life cycle in detail.	
	(<i>b</i>)	Explain array list class in detail.	
3.	Atten	npt the following questions:	20
	(a)	Write a JAVA program to describe concept of linked list.	
	(<i>b</i>)	Explain in detail concept of Tree set.	
4.	Atten	npt the following questions:	20
	(a)	Explain role of request parameters in JSP.	
	(b)	Write a program to describe concept of runnable interface.	
5.	Atten	npt the following questions:	20
	(a)	Explain concept of cookies and sessions.	
	(b)	Write a program using servlet to display student data.	
6.	Write	the following questions:	20
	(a)	What is purpose of <% %> in JSP ? Explain in detail	
	(A)	Write a program to describe database connectivity	