Code No.: AI404PC

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Regular) - June- 2022
JAVA PROGRAMMING
(Common to CSC, CSD, & CSM)

[Time: 3 Hours]   [Max. Marks: 70]

Note: 1. Answer any _FIVE_ questions. Each question carries 14 marks.
      2. All questions carry equal marks.
      3. Illustrate your answers with NEAT sketches wherever necessary.

5X14=70

1.	a)	Explain various control structures in Java.	[7M]
	b)	Discuss about the method overriding with an example.	[7M]
2.	a)	Describe the process of creating, importing & accessing packages with suitable examples.	[7M]
	b)	Distinguish between byte stream & character stream classes.	[7M]
3.	a)	Explain the concept of multi threading with suitable examples.	[7M]
	b)	Explain the concept of exception handling mechanism in Java.	[7M]
4.	a)	Define Java Collections Framework? List out the benefits of Collections Framework.	[7M]
	b)	Give the difference between ArrayList & LinkedList in Collection Framework.	[7M]
5.	a)	Define an Applet? Explain the life cycle of an Applet with a neat sketch.	[7M]
	b)	Explain various layout managers in Java.	[7M]
6.	a)	Discuss in brief about the primitive data types in Java.	[7M]
	b)	Explain the concept of polymorphism with an example.	[7M]
7.	a)	Explain the concept of arrays in Java with suitable examples.	[10M]
	b)	Discuss about CLASSPATH environment variable.	[4M]
8.	a)	Explain the concept of classes and objects in Java with suitable examples.	[7M]
	b)	Explain various Awt controls and Swing controls? Also give the difference between Awt and Swing.	[7M]

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