



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 2nd Semester Examination, 2022

CMSACOR03T-COMPUTER SCIENCE (CC3)

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

Answer Question no. 1 and any four from the rest

1. Answer any **four** questions: 2×4 = 8
 - (a) What is an Exception?
 - (b) What is the function of 'super' keyword in Java?
 - (c) What is the purpose of 'new' keyword in Java?
 - (d) Explain the difference between >> and >>> operators.
 - (e) Is there any difference between 'throw' and 'throws'?
 - (f) What is the use of function 'setBackground()'?
2. What is interface? Explain with example. What is event? (2+3)+3
3. (a) Explain run time exceptions. What is the difference between Checked Exception and Unchecked Exception? 2+2
 - (b) When throw keyword is used? 2
 - (c) How finally used under exception handling? 2
4. (a) Write a program in Java to illustrate the use of 'throw' and 'throws' keywords. 4
 - (b) Write a program in Java to check whether a given number is prime or not. 4
5. (a) Write a program to find the Second Highest number in an ArrayList. 3+3+2
 - (b) What is the difference between compile-time polymorphism and runtime polymorphism?
 - (c) Explain public static void main(String args[]) in Java.
6. (a) Distinguish between multiple and multilevel inheritance with example in OOP. 6
 - (b) What is an interface? 2
7. What is Applet? Describe the architecture of an Applet. What is the use of function 'repaint()'? 2+4+2

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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