

B. Tech. / Second Semester (Artificial Intelligence and Data Science) /
B. Tech. 21-22_SOE_ADS - 203 Examination

Course Code : AIDS 2156

Course Name : Object Oriented
Programming

Time : 3 Hours]

[Max. Marks : 40

Instructions to Candidates :—

(1) Do not write anything on question paper except your exam seat number.

(2) Write the answers along with accurate question number in answer book.

(3) Assume suitable data wherever necessary.

(4) Illustrate your answers wherever necessary with the help of neat sketches.

1. (A) Explain various features of OOP with illustrations. 3(CO1)
(B) Differentiate between procedure oriented and object oriented programming. 4(CO1)
2. (A) Write a program to demonstrate the concept of function overloading. 3(CO2)
(B) Write a program to demonstrate the concept run time polymorphism. 4(CO2)
3. (A) Explain exceptions and its hierarchy. With examples. 3(CO2)
(B) Discuss byte streams and its applications. 4(CO2)
4. (A) Differentiate between multithreading and multitasking. 3(CO3)
(B) Discuss generic programming. 4(CO3)

5.

~~(A)~~ Explain MVC architecture in detail.

3(CO4)

~~(B)~~ Discuss various classes useful for graphics programming.

3(CO4)

6.

~~(A)~~ Explain basics of event handling.

3(CO4)

~~(B)~~ Discuss various swing components.

3(CO4)