

EX-276**B.Tech. IIIrd Semester (New Scheme) Inform. Tech.****Examination, 2022-23****OOPs Methodology and Analysis and Design****Paper - IT- 304****Time : 3 Hours]****[Maximum Marks : 60**

1. (a) Write about the following terms - (Any two)

- (i) Objects
- (ii) Abstract classes
- (iii) Method lookup

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(b) Discuss objects as software modules ? with example ?

OR

(a) Write a program that uses class & object to display a decimal number in reverse order (i.e; if 12345, output expected is 54321) ?

(b) What is inheritance ? Discuss the different types of inheritance used ?

2. (a) Discuss the association of objects with another objects ?

(b) What are classes ? Discuss about nested classes with an example ?

OR

(a) Define about the aggregate components of objects ?

(b) Write a program to represent objects & classes as dummy to show the scenario ?

3. (a) Differentiate between procedural oriented programming & object oriented programming.

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(2)

(b) What is association ? Write association ?

OR

(a) Write a program to show argument ?

(b) Discuss class declarations & object declarations with example ?

4. Write the following terms -

(a) Public properties

(b) Private properties

(c) Multiple inheritance

(d) Inherited methods

OR

(a) Write a program on multiple inheritance ?

(b) Discuss the role of disinheritance in detail ?

5. (a) What is virtual function ? Explain with example ?

(b) Write a program using virtual function ?

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(3)

P.T.O.

OR

- (a) Differentiate between arrays & pointers ?
- (b) Write about functions & structures ?
