

| Class No    | Java Fundamentals Module   |
|-------------|--|
| 1           | Java - What   Why   How , Java internals JVM   JRE   JDK                     |
| 2           | Installation   |
| 3           | Java - Printing(Output), variable , data types                               |
| 4           | Java i/o - reading inputs in Java  |
| 5           | Number system - Introduction to decimal and binary and their interconversion |
| 6           | Java operators and their precedence and associativity.                       |
| 7           | Java conditionals if /else/ switch   |
| 8           | Java loops for/while/do-while  |
| 9           | Problems on Java loops - 1   |
| 10          | Problems on Java loops - 2   |
| 11          | Java - Object and Class Introduction   |
| 12          | Java - Methods   |
| 13          | Pass by Value, Pass by ref, scope of variables                               |
| <b>Test</b> |  |
| 14          | Arrays - 1 (basics)  |
| 15          | Arrays - 2 (basics)  |
| 16          | Patterns of questions asked in Array - 1                                     |
| 17          | Patterns of questions asked in Array - 2                                     |
| 18          | Patterns of questions asked in 2D Arrays - 1                                 |
| 19          | Patterns of questions asked in 2D Arrays - 2                                 |
| 20          | Patterns of questions asked in 2D Arrays - 3                                 |
| 21          | ArrayList in Java Collection Framework                                       |
| <b>Test</b> |  |
| 22          | Time and Space Complexity  |
| 23          | Problems on Time and Space Complexity  |