**Name:** Azeem Ullah Baig  
**ID:** 619573

Part I:

1. A, D, B
2. True
3. True
4. False
5. B (default method in the interface)
6. Output:  
   Exception thrown in test method and caught by Exception!  
   In finally block!  
   In test method!
7. The exception is thrown, caught, and finally block is executed before printing from test method.
8. B (true \n null)

Part II (1):

|  |  |
| --- | --- |
| **INDEX** | **ENTRIES** |
|  |  |
| 0 |  |
| 1 |  |
| 2 | 8 -> 16 |
| 3 | 9 -> 18 -> 19 -> 38 |
| 4 | 10 -> 40 |
| 5 | 1 -> 2 -> 11 -> 22 |
| 6 | 2 -> 4 |
| 7 | 3 -> 6 |
| 8 | 4 -> 8 |
| 9 | 5 -> 10 |
|  |  |

Part II (2):

5  
 / \  
2   9  
/ \  /  
1  3 8  
 /  
 7  
 \  
 4