

Q1:

Ans:

C. The program compiles successfully but an exception throws at runtime after displaying "Waiting Thread".

Q2:

Ans:

C. The program displays "run() method..." three times

Q3:

Ans:

- A. When the program runs, all three threads (th1, th2, and th3) executes concurrently, taking time-sliced turns in the CPU.

Q4:

Ans:

- B. The program generates exception at runtime

Q5:

Ans:

- A. The program executes and will never end.

Q6:

Ans:

- A. wait()
- C. join()
- H. sleep()

Q7:

Ans:

- A. Program result in dead lock situation

Q8:

Ans:

- B. Program displays a number greater than or equal to 0

Q9:

Ans:

- C. None of the above

Q10:

Ans:

- A. Program generates compilation error at //1
- B. Program generates compilation error at //2

Q11:

Ans:

- D. The program will display Hello Hello Java as output.

Q12:

Ans:

- A. The program displays Hello followed by Hello with a pause of 1500 milliseconds.

Q13:

Ans:

- B. Program will execute in an infinite loop and display T1 and T2 depending on their time slice.

Q14:

Ans:

- A. The program will display Hello Hello as output.

Q15:

Ans:

- B. The program displays 1 followed by runtime exception

Q16:

Ans:

- A. The program will display Hello as output

Q17:

Ans:

- A. Program displays "Starting thread" 2 times and after 1 seconds, it displays "Time is up" 2 times.

Q18:

Ans:

- A. The program compiles without error and displays My Thread as output.

Q19:

Ans:

The program compiles without error and displays Thread – Active Demo, takes pause and then displays Thread – Inactive Demo

Q20:

Ans:

It compiles without error and displays The interrupt() Method Invoked as output

Q21:

Ans:

B. The program displays The main() method, The run() method and false as output

Q22:

Ans:

The program compiles and executes without any error or deadlock

Q23:

Ans:

A. The program compiles without error but throws IllegalMonitorStateException exception on thread t2 at runtime.