8.

```
class T1 extends Thread
{  int t1;
   T1()
   {  t1 = 10000;
   }
   public void run()
   {  while (t1 <= 100000)
      {  System.out.println("BMSCE");
         try {
              sleep(10000);
             }
         catch(Exception e)
         {  System.out.println("error");
         }
         t1 = t1 + 10000;
      }
   }
}
class T2 extends Thread
{  int t2;
   T2()
   {  t2 = 2000;
   }
   public void run()
   {  while(t2 <= 20000)
      {  System.out.println("CSE");
         try { sleep(2000); }
```

```
        catch(Exception e)
        { System.out.println("error");
        }
        t2 += 2000;
        }
    }
}

class Multithreads
{ public static void main(String args[])
    { T1 a = new T1();
      T2 b = new T2();
      a.start();
      b.start();
    }
}
```

~~Algorithm:~~

Output:

BMSCE
CSE
CSE
CSE
CSE
BMS—
CSE
. . .

8. Write a program which creat a thread, one displaying BMSCE every ten sec & another displays CSE every 2 secs.

Algorithm

Step 1: Start

Step 2: create class T_1 which extends Thread, declare int t_1 & time

Step 3: Inside method T_1, $t_1 = 10000$,

Step 4: create a void method run() which prints BMSCE. inside while($t_1 <$ 100000)

Step 5: Inside the Try block, Thread.sleep(10000) & $t_1 += 10000$ outside the catch block

Step 6: Create class T_2 which extends Thread, declare int t_2 & initialise it to 2000, inside the method $T_2()$

$t_2 = 2000;$

Step 7: create a method & which has a while loop ($t_2 <= 2000$) & prints CSE.

Step 8: Inside the Try, sleep(2000) & inside catch print error

Step 9: increment $t_2 += 2000$; outside the catch block

Step 10: Create a class threads & inside the main method create a, b objects of T_1 & T_2 & call the methods

16.02.24