Operating System and System Administration IT2060
Year two Semester one 2021 Model Paper 02
Online Examination
Sri Lanka Institute of Information Technology
Time: 20 minutes only.

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a) Consider the following program in writing the answer for the following questions.

```
#include <stdio.h>
#include <pthread.h>
#include <stdlib.h>
void * thread1()
{
    printf("Hello World!!\n");
}
int main()
{
    pthread_t tid1;
    pthread_create(&tid1,NULL,……… ,NULL);
    pthread_join(tid1,NULL);
    return 0;
}
```

b) Modify the program to print the main thread id and save the program as Newthread.c

c) Modify the program to print all cubic numbers (1,8,27,64….) less than 100 by the child thread.

Solution:
```
#include <stdio.h>
#include <pthread.h>
#include <stdlib.h>
void * thread1()
{
   int i;
   i=1;
   while(i<10){
     printf("%d\n",i*i*i); //Please allocate marks any other way get the answer
     i=i+1;
   }
   printf("Hello World!!\n");
}
```

```c
int main()
{
    pthread_t tid1;
    pthread_create(&tid1,NULL,thread1 ,NULL);
    printf("Main Thread id is %d\n",pthread_self());
    pthread_join(tid1,NULL);
    return 0;
}
```