# Part 1

## 1

Thread refers to the virtual cores divided from the physical core of a computer IE quad core computer has 4 physical cores and after dividing it will have 8 virtual cores.

In terms of coding, thread refers to the sequence of flow in a code for example from top to bottom.

## 2

Synchronous refers to running multiple tasks simultaneously while asynchronous runs in the background and doesn’t affect the main flow of the program.

## 3

The main difference between action and func delegate is action delegate do not return a value while the func delegate returns a value after being called. Both delegates can accept multiple arguments.

## 4

Normal throw preserves the original error while throwing exception would reset the stack trace and allow handle exception to display errors

## 5

## 6

Thread start is used to start the execution of a thread synchronously while task.run is using asynchronous method by pulling a thread from thread pool and only returning the value after it is done with its operation.

## 7

## 8

We can make threads run synchronously by using task.run

## 9

Threads are segments of an execution while process is any program in execution.

## 10

Declare a new thread and pass in the parameters by using => and in the {} put in the parameter to be passed in.

## 11

Thread suspend will stop the thread from running but not delete it while abort will delete the thread.



# Part 2

1. D
2. A
3. C
4. B
5. D
6. D
7. D
8. A
9. A
10. D
11. D
12. A
13. A
14. C
15. B