Vavuniya Campus of the University of Jaffna

Faculty of Technological Studies

Department of Information and Communication Technology

TICT1224 –Object Oriented Programming (Theory)

In-course Assessment Examination – III

This assessment has nine (09) topics in which a student will be required to create a small video (approximately 15 minutes) to demonstrate about the relevant topic. The video should be created as a video tutorial which explains about the topic in detail. The explanation should be done by you and your face should be shown in the video. You are free to use any tool to create the video.

Finally, upload your video to YouTube (as Unlisted) and upload the link to the VLE.

Please note that marks will be mainly given for the creativity and the clarity of the explanation.

SELECTION OF TOPICS

- The assessment has nine topics, and a student is required to explain about only one of them.
- To choose your topic, the following algorithm should be applied.

Step 1: - Write your registration number (e.g., 2018/ICTS/065)

Step 2: - Take the number part of the registration number (e.g. 065)

Step 3: - Perform the modulo operation on the number with 9 (e.g., 065%9 == 2)

Step 4: - This student's topic is topic 2.

Please use your registration number to identify your topic. **If you get zero (0) as the answer to step 3, your topic will be topic 9.**

If a student picks the wrong topic for the assessment than the intended topic that student will be given zero marks for this assessment.

Submission Date: on or before 06th of August 2021

TOPICS

1. OOP introduction, Basic principles of OOP
2. Compiling and running a java program, JVM, Java main method
3. Variables, Data types, Classes, Objects
4. Methods, Constructors, Destructors, “this” keyword
5. Access specifiers, Static modifier
6. Inheritance, Types of inheritance, Member access and inheritance
7. Method overloading, Method overriding, final keyword
8. super keyword, abstract keyword
9. Type casting, String Classes