# THE KENYA NATIONAL EXAMINATIONS COUNCIL

# SCHOOL BASED ASSESSMENT

## COMPUTER SCIENCE

## (PROJECT)

**Learner's Name:** _____

**Assessment No.** _____ **Grade:** _____

**Date:** _____

### Instructions to Learners

*(a)* *Learners are expected to use a desktop computer system in carrying out the project as instructed in this paper.*
*(b)* *Learners are expected to work in groups not exceeding seven in carrying out the project.*
*(c)* *Learners are expected to actively participate in all the project tasks.*
*(d)* *Learners are expected to consult the supervising teacher where necessary.*
*(e)* *Learners are expected to complete the project within the stipulated time.*
*(f)* *The project will be assessed out of 30 marks.*
*(g)* ***All responses must be in English.***

### FOR TEACHER'S USE ONLY

| Maximum score | Learner's score |
|:---:|:---:|
| 30 | |

**This paper consists of 2 printed pages.**

**TASK: CONNECTING PHYSICAL PARTS OF A COMPUTER**

Grade seven Computer Science learners have been tasked to visit a school's computer user environment (room), interact with the physical parts of a computer that have been provided on the work areas and perform the following tasks in groups:

1. (a) Categorise each of the physical parts of a computer into input and output devices.

   (b) Label each of the physical parts of a computer using appropriate name tags.

2. (a) Connect the physical parts of the computer, power on the computer and start it up.

   (b) Record a video clip showing the process of connecting physical part of a computer in 2 (a) above.

   (c) Name the video recorded as '**my connection'.**

3. Use the computer to:

   (a) (i) Type the names of the physical parts of a computer as categorised in question 1 (a) above in a word processing application. Save the typed document as '**physical parts of a computer'**.

      (ii) Type **four** safety precautions or practices you observed while connecting the physical parts of a computer in the same document. Save your work.

   (b) Draw a block diagram showing the functional relationship between the categories of physical parts of a computer. Save the document as '**functional relationship'**.

   (c) Create a folder and copy the file '**my connection'**, '**physical parts of a computer'** and '**functional relationship'** in it. The folder name should be your Assessment Number.

   (d) Shut down the computer.

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