***KENYA JUNIOR SCHOOL EDUCATION ASSESSMENT.***

**GRADE 8**

**PRETECHNICAL STUDIES- (Theory)**

**Time: 11/2 Hours.**

**Learner’s Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Assessment No:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**FOR EXAMINERS USE ONLY.**

|  |  |  |
| --- | --- | --- |
| **Score Range** | **Performance Level** | **Tick** |
| ***80-100*** | **Exceeding Expectation** |  |
| ***60-79*** | **Meeting Expectations** |  |
| ***40-59*** | **Approaching Expectations** |  |
| ***Below 40*** | **Below Expectations** |  |

|  |  |
| --- | --- |
| **OUT OF** | **50 MARKS** |
| **Learners Score.** |  |
| **Learners %** |  |

**Instructions to Learners.**

1. Write your name, Assessment Number, Grade/Stream and the Date in the spaces provided above.
2. Answer all questions in this question paper.
3. All your answers must be written in the spaces provided below each question.
4. This paper consists of printed pages. Learners should check the questions in each paper to ascertain that all the papers are printed as indicated and that there is no question missing.
5. Answer all the questions in English.

**QUESTIONS.**

1. State the characteristics of computers described in the table below.

|  |  |
| --- | --- |
| **Description** | **Name the Characteristic** |
| A computer can perform millions of tasks without getting tired, fatigue or loss concentration like human beings. | **(2mks)** |
| A computer performs different tasks in different fields such as education, agriculture, military and medical fields. | **(2mks)** |

2. State the solutions you would advice users of computers who experience the following internet challenges. **(2mks)**

|  |  |
| --- | --- |
| **Internet challenge** | **Possible solution.** |
| Data attacks by virus |  |
| Addiction to computer |  |

3. Amina heard the teacher giving explanations of various characteristics of economic resources as given below. Which characteristics was the teacher explaining. **(3mks)**

a.) Economic resources are measures in terms of money.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b.) Economic resources can be transported from one place to another.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c.) Economic resources are not enough to satisfy human wants.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Metallic materials produce a sharp loud sound on knocking. We therefore describe metallic materials as being \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **(2mks)**

5. Classify the following materials as either synthetic or natural nonmetallic materials. **(4mks)**

|  |  |
| --- | --- |
| **Nonmetallic material** | **Indicate if it is natural or Synthetic** |
| Sand. |  |
| Polythene bags |  |
| Ballast |  |
| Drugs. |  |

6. Grade seven learners from Siaya junior secondary want to use various measuring tools. Write down six physical quantities they can use the tools to measure. **(6mks)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. You teacher has asked you to give one example of the following types of goods. Write down the examples you will suggest. **(4mks)**

|  |  |
| --- | --- |
| Type of goods | Example |
| Perishable goods |  |
| Durable goods |  |
| Private goods |  |
| Public goods |  |

8. Identify the factors of production in which the following rewards are issued. **(4mks)**

a.) Profit \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b.) Rent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c.) Wages/Salary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d.) Interest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. Draw the following types of lines. **(6mks)**

a.) Centre line

b.) Break line

c.) Hidden line

10. Name the three types of calipers. **(3mks)**

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11. Name two tools one can use to determine if a surface is vertical. **(2mks)**

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12. Give the four careers one can pursue by learning business studies. **(4mks)**

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13. State three examples of computers. **(3mks)**

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14. A manufacturer wants to make the following items. State the metals that will be used. **(3mks)**

a.) Window pane frames \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b.) Cans \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c.) A bell \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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