BULUNGULI SEED SECONDARY SCHOOL

END OF TERM TWO EXAMS 2023

SENIOR THREE PHYSICS

**TIME: 1 HOUR 20 MINUTES**

***INSTRUCTIONS:***

Answer all questions

Clearly show your working where necessary.

1. (a) define the following as applied to light;
2. Principle focus (1 mark)

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1. Centre of curvature (1 mark)

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1. Virtual image (1 mark)

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(b) An object 2cm high is placed 12cm in front of a concave mirror of focal length 10cm. using graphical method. Determine the position and magnification of the image formed. (4 marks)

(Graph paper needed)

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(c) State two applications of concave mirrors. ( Mark each)

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1. (a) define the following as applied to magnetism:
2. Magnetic pole. (1 mark)

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1. Magnetic field (1 mark)

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1. Magnetic saturation (1 mark)

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(b) State the laws of magnetism. (1 mark)

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(c) Explain what happens to a freely suspended magnet (3 marks)

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(d) Draw the magnetic pattern for a;

Isolated bar magnet ( marks)

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Bar magnet placed in the earth`s field with its north pole point in the north direction of the earth (2 marks)

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1. (a) What is meant by the term pressure? (1 mark)

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(b) At the end of this month, parents will be coming to say bye-bye to our head teacher who is retiring soon. During that time we shall be receiving plenty of rain and people from Kalalu will find it difficult to cross the swamp to Kiwanyi.

As a student of Bulunguli seed S.S who studied pressure, suggest the advice you would give to the parents from Kalalu village giving explanations.

(8 marks)

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(C) A beaker of height 20cm contains water to depth of 6cm. what is the pressure of water on the base of the beaker. (3 marks)

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(d) State applications of atmospheric pressure.

(2 marks)

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END