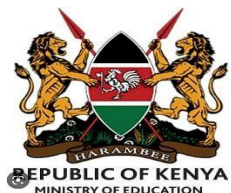


KENYA EDUCATORS CONSULTANCY EXAMS



JUNIOR SECONDARY SCHOOL GRADE 7 END TERM 1 EXAM- 2023 INTEGRATED SCIENCE

Time: 2 hours

Name..... School.....

INSTRUCTIONS TO CANDIDATES:

.Do not open the booklet until you are told to do so.

.Read each question carefully.

.Answer ALL the questions.

.Write your answers, in either blue or black ink, in the spaces provided in the booklet

FOR EXAMINERS ONLY

Questions 1-24 Out of 100 marks	Candidate Score	Candidate performance level
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1. List down 3 components of integrated science. (3mks)

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2. Identify 4 career opportunities related to knowledge and skills gained in integrated science. (4mks)

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3. What is a laboratory? (2mks)

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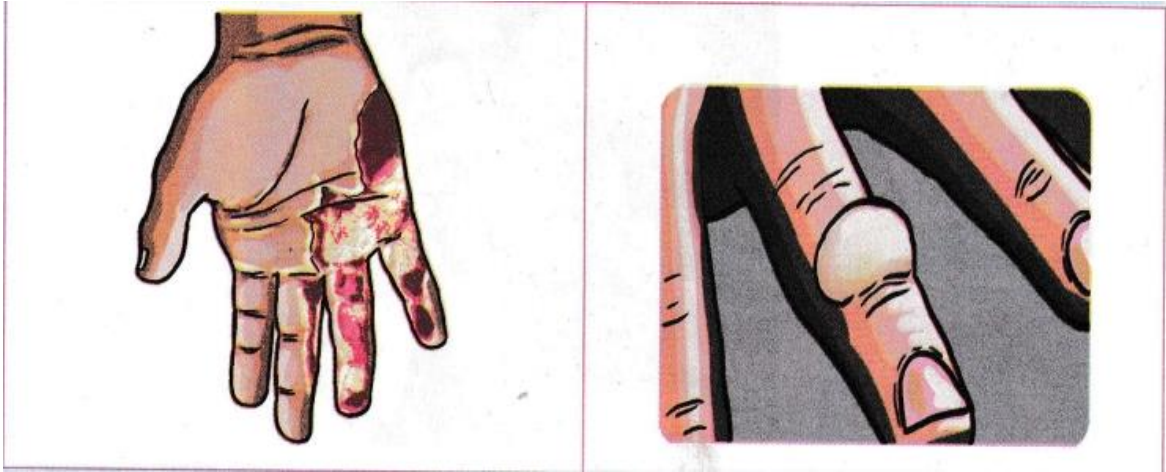
4. List down 4 hazards likely to be found in the laboratory. (4mks)

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5. Describe the first aid procedure for cuts. (8mks)

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6. Study the picture below and answer the questions that follows.



i. Discuss 2 possible causes of the injuries shown in the pictures. (4mks)
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7. List 4 safety measures to be observed in the laboratory. (4mks)
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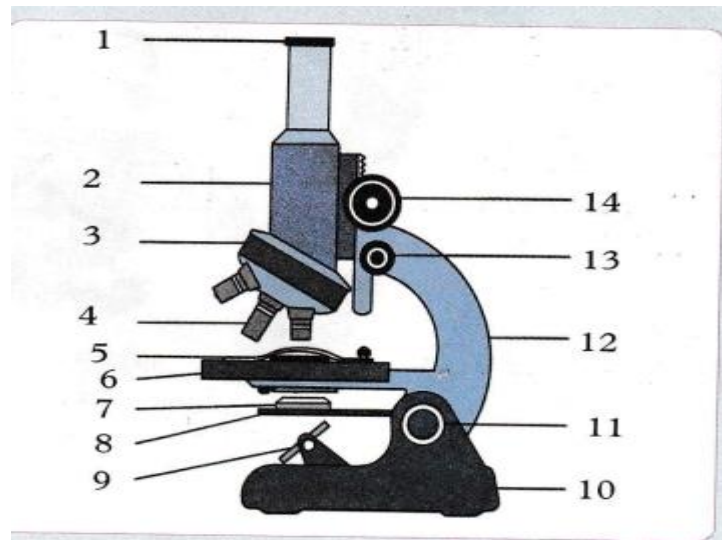
8. State 3 basic skills you need in the laboratory. (3mks)
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9. Draw 4 apparatus and write their names.

(4mks)

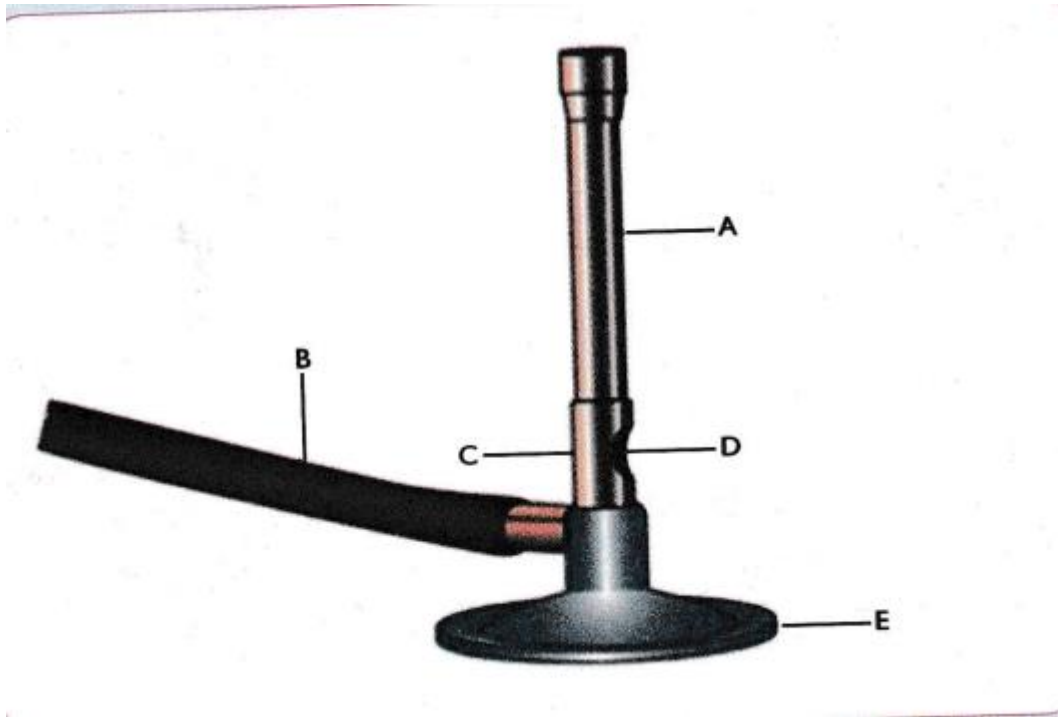
10. Observing the diagram below, identify and discuss the following parts of a microscope.

(5mks)



- Part 12
- Part 1.....
- Part 14.....
- Part 8.....
- Part 3.....

11. Study the picture shown below and answer the questions that follows.



- i. State the uses of the above apparator. (1mk)
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- ii. Name the apparator. (1mk)
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- iii. Name the parts labelled A to E. (5mks)
A.....
B.....
C.....
D.....
E.....

12. During an integrated science lesson, students were making mixtures. Anyango made a mixture of milk and water while Olekete made a mixture of cooking oil and spirit. Describe the types of mixtures that was made by the 2 students. (4mks)

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13. List down 3 examples of heterogeneous mixtures. (3mks)

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14. i. Name 3 basic quantities and their SI units. (3mks)

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ii. Define international system of units (1mk)

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15. List mixtures that can be separated using the following methods.

i. Simple distillation (1mk)

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ii. Decantation. (1mk)

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iii. Chromatography. (1mk)

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iv. Solvent extraction. (1mk)

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16. Briefly explain how a mixture of sand and salt can be separated. (4mks)

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17. Write the meaning of these hazard symbols they observed. (4mks)



a.....
b.....
c.....
d.....

18. Name any 5 safest ways of handling a microscope after use. (5mks)

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19. Discuss how to handle and care for the following types of apparatus and instruments.

i. Glassware (1mk)

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ii. Metallic apparatus (2mks)

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iii. Heating instruments (3mks)

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20. Define field of view as used in the microscope. (1mk)

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21. List down 5 safety precautions to observe when heating using a Bunsen burner (5mks)

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22. State 4 importance of information on packaging of laboratory instruments and chemicals. (4mks)

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23. List 4 methods used in separation of mixtures. (4mks)

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24. List 4 uses of chromatography. (4mks)