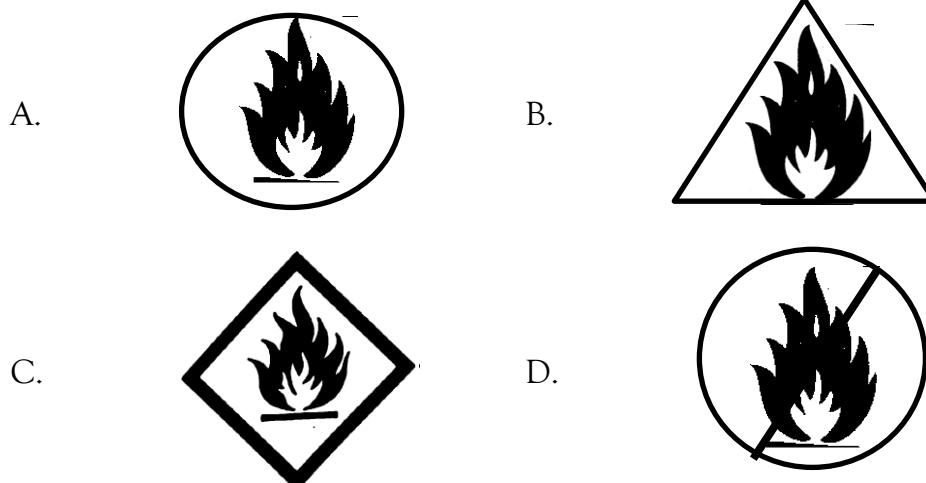


FORM ONE EXAM  
SUBJECT: BIOLOGY

SECTION A  
Multiple Choices and Matching Items

1. For each of the items (i) –(x), choose the most correct answer from the alternatives given write the answer in terms of number against letter as (xx) – K.
- (i) Branches of science usually operate differently due to specialization. The following are categories of specializations except:
- A. Study of Life in matters
  - B. Study of Energy in matters
  - C. Study of ideologies and believes
  - D. Study of composition and decomposition in matters
- (ii) If the eye piece lens reads **ten times** and the total magnification of the image obtained is **four hundred times**, how much objective lens reads? :-
- A. Four times
  - B. Four point five times
  - C. Forty times
  - D. Forty four times
- (iii) The third step of scientific procedures usually involves laboratory investigations”. This aims to :
- A. Find the evidence
  - B. Test the hypothesis
  - C. Confirm the results
  - D. Validate the procedures
- (iv) An object under investigation or reservation for laboratory practical either alive or dead :
- A. Flora
  - B. Slide
  - C. Fauna
  - D. Specimen
- (v) Which of the safety symbol gives similar meaning to the below statement  
“Take care a substance with you is **FLAMMABLE**”:-



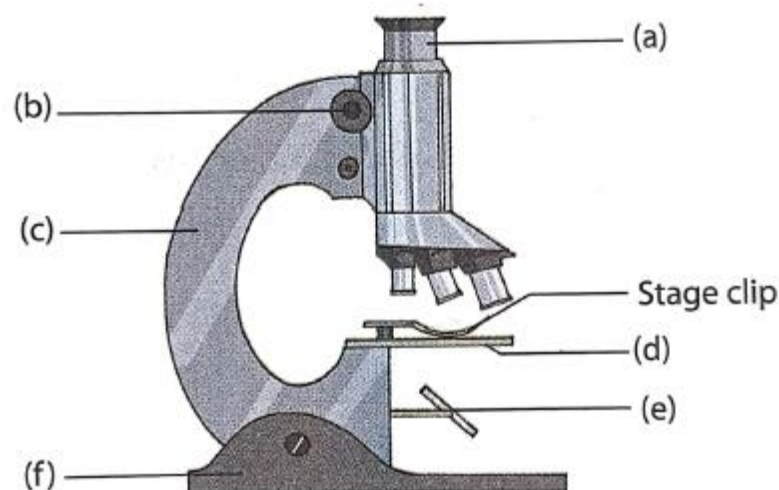
- (vi) Compound Microscope is useless if one of the following is missing :-
- A. Light
  - B. Torch
  - C. Base
  - D. clips

LIST A	LIST B
(i) Physical structures of organisms	A. BOTANY
(ii) Structure and functions of cells	B. ZOOLOGY
(iii) Heredity and variations in living things	C. TAXONOMY
(iv) Relationship between organisms and their environment.	D. ANATOMY
(v) Physical and chemical processes taking place in living organisms.	E. PHYSIOLOGY
	F. GENETICS
	G. CYTOLOGY
	H. ECOLOGY




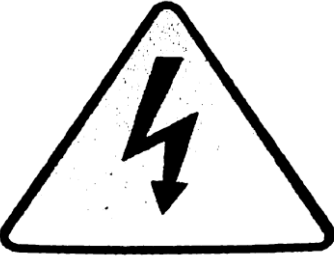
## SECTION B

Answer all questions – Short Answer items.

3. You are provided with brief notes on basic characteristics of life; as a qualified form one student at Mivumoni Islamic Seminary, write the appropriate terminology before the respective notes :—
- (i) Ability to acquire, convert and assimilate the food molecules in body.  
.....
  - (ii) Ability to increase in size and complexity of the body structures and functions. ....
  - (iii) Ability to perceive and respond to changes occurring around them hence modifies behaviours .....
  - (iv) Ability of an individual to give off spring of their own kind  
.....
  - (v) Ability to oxidize ready absorbed glucose molecules into their body cells to release energy .....
  - (vi) Ability to remove cellular wastes from the body through special outlets.  
.....
  - (vii) Ability of an individual partially to shift the body parts or full body displacement from one point to another. ....
4. (i) Define Environment.  
(ii) Mention five common causes of accident in our school environment.  
(iii) Assume you were Serengeti National Park visitors who was carrying Biological visibilities. Finally, you were to record your findings in three major groups animate, inanimate and environment as well. Tabulate your findings by giving one example to each plus their respective environments.
5. You are provided with a modern scientific device, study and then answer the questions underneath:—



- (i) A suitable name for the device is .....
- (ii) Identify each part labeled from (a) to (f) from the above device.
- (iii) "Although Biology is a complex body of knowledge but still the backbone is microscope". Justify this statement.
6. (a) What is meant by *First Aid* and *First Aid Kit*?
- (b) "First Aid and First Aid Kit are like twin brothers if one misses the other cannot exist" Justify by three points.
- (c) Outline five importance of first aid as far as individual life is concern.
7. (a) Distinguish between laboratory and library as far as school facilities are concern.
- (b) List down five safety measures which ensure regular peace and harmonious working in the Biology laboratory.
- (c) Translate the following warning symbols into laboratory rules:—

i.		ii.	
iii.		iv.	

### SECTION C

Attempt only ONE question in this section

8. Write an Essay on Biology using below guidelines :—
- (a) Define the concept.
- (b) Explain economic benefits of taking the subject into your career.
- (c) Write short notes to encourage your colleagues to hire the subject.