FORM ONE EXAM
PHYSICS MARKING SCHEME

- Bachelor of arts (Building economics)
- Architecture
- Medicine

2.no running in the laboratory
No eating in the lab.
No performance of unauthorized experiments

3.It will curve towards the otherside.
The S.T on the otherside will pull the string.

3.Measures to be taken.

(i)   Cuts. –pressure or direct compression should be applied directly to the wound and proper dressing applied.

(ii)   Burns.-Flushing cold water over the affected areas.
         Acid burns to be treated with sodium hydrogen carbonate.

(iii)   Electric shock-cut off the current causing the shock.
         Turning off the current at the main switch.

4.   B

5.   180/116=h/840

     H=1,303.45cm

6. Estimate the area of the irregular surface

No of complete squares + half number of incomplete squares.

7. $22.5/1000 \times 1,000,000/1 = 22,500 KGM^{-3}$

8. Set a stationary objects into motion
Accelerate a moving objects
Stop a moving objects.

9. The pollen grains are hit by invisible air particles which are constantly in motion.

10. (a) $F_1/A_1 = F_2/A_2$

$200/25 = 5000/A_2$

$A_2 = 625 CM^2$

(b) $A_2 = 625cm^2$

$22/7r^2 = 625$

$R = 25cm.$

11. White surfaces are good reflectors of heat and light.

12. Emission of industrial gases into the atmosphere.

Caurses global warming.

13. Warm air rises due to low density.Cold fresh air are dense hence get into the room through the lower part of the door.

14. The higher the temperature the higher the rate of the movement of the smoke particles and vise versa.

15.The area of contact affects pressure.The smaller the contact area the greater the pressure and vise versa holding all other factors constant.

16.when the ring is heated,it expands hence the ball can pass through.

17.(a) $1000Nm^2$

(b) $250Nm^2$