GRADE 8 PRETECHNICAL MARKING SCHEME

1. Obstructed emergency exit. Being

   injured through tripping Assess

2. Motherboard

   CPU

   Hard disk drive

3. Turn off the computer from power source. Disconnected

   the device from system unit. Remove the computer case

   by loosening the screw. Pull the latch gently to will expose

   the items.

4. Gumboots.

   Helmet

   Gloves Eye

   googles.

5. Laptop

   Smartphone

   Tv

6. Manmade

   Natural

   Human

7. 100-agriculture

   200-social services

   500-tourism

   1000-governance

8. Artistic

   Technical

9. Cutting tools - knife, scissors

   Measuring tools - tape measure,

   Vernier calliper

10. Low quality of production Low

    quantity of production

    Overpricing

    Hoarding

11. Re-using.

    Re-cycling

12. Donating cooling method.

    Starvation Smothering

    Interrupting method.

13. The teacher assess

14. Ferrous metals-lack iron.

    Are magnetic. Non-ferrous -

    have iron. Not magnetic.

15. Avoid wastage

    Use non-environment pollutants

    Avoid cutting down trees

16. compass

    Protractor

Set square

17. The process of identifying a business opportunity with an aim of making profit.

18. Specific
Achievable
Realistic
measurable

19. Clean apron

20. Award any Construction tool drawn correctly

21.

Hazard Symbol	Meaning
(flame symbol)	High voltage
(skull and crossbones symbol)	Dangerous
(lightning bolt symbol)	Highly flammable

22. ○ Laptop
 ○ Personal computers
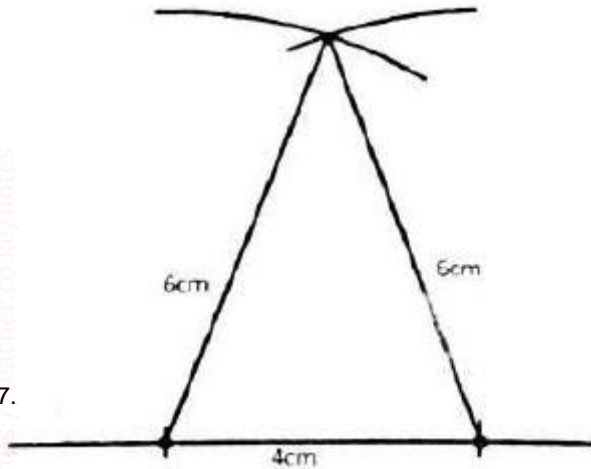 ○ Tablets
 ○ Smartphone
 ○ Ipad.

23. Hand saw used for cutting wood

24. Reducing Accidents and Injuries

25. ○ Cuts
 ○ Burns

- ○ Scalds
- ○ Fractures

26. . Spanner and pliers

27.

28. ○ Motherboard
   - ○ Central Processing Unit (CPU).
   - ○ Hard Disk Drive or Solid State Drive.
   - ○ Power Supply Unit.
   - ○ Random Access Unit (RAM)
   - ○ Optical Drives.
   - ○ Graphic Processing Unit.
   - ○ Sound Card.
   - ○ Cooling fans.

29. To prevent damaging them

30.
   - ○ The size according to the available space.
   - ○ The material, due to durability, aesthetic and weight.
   - ○ Motherboard compatibility
   - ○ Expansion slots that can accommodate additional components.
   - ○ Cooling systems so as to ensure adequate airflow and temperature control.
   - ○ Drive bays to be able to install the hard drive or solid state drive and optical drive.

31.
   - ○ Up cycling by making items such as a coffee table or footstool.
   - ○ By donating to e.g. People who repair computers.
   - ○ Making an art project.
   - ○ Selling.

32. (a).

   - ○ Softcopy: output viewable on a screen.
   - ○ Hardcopy: output printed on paper.

   (b).

   - ○ Primary storage: is used to temporarily store data that the computer is actively using. Example is RAM.
   - ○ Secondary storage: is long term storage of a computer and stores data even when the computer is powered off. An example is hard drive or solid state drive.

   (c).

○ RAM (Random Access Memory): Is the short term memory used to actively run programs or tasks. ○ ROM (Read Only Memory): Is the permanent memory and stores instructions and data even when the computer is turned off.

33. ○ A desktop.
    ○ A Laptop.
    ○ A Tablet.
    ○ A Smartphone..
    ○ A Workstation.

34. ○ **Microwaves** used to warm food.
    ○ **Traffic control computers** - to monitor traffic flow and enhance efficiency.
    ○ **Weather forecast simulators** - to predict weather conditions.
    ○ **Washing machines** - for washing clothes.
    ○ **Surveillance equipment** - to monitor and record activities in an area.

35. Name three Examples of technical drawings:

    a. Architectural

    b. Mechanical systems drawings.

    c. Electrical drawings,

36. Name the Types of Lines used in drawing. (4 mks)

break line
dimension line
leader
cutting plane