## June 2013

# BASIC DESIGN AND TECHNOLOGY 1

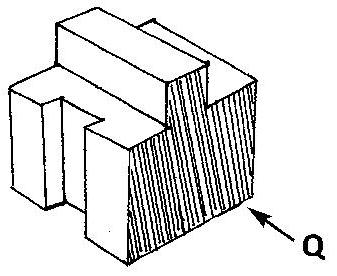
# (Pre-Technical Skills 1)

# Objective Test

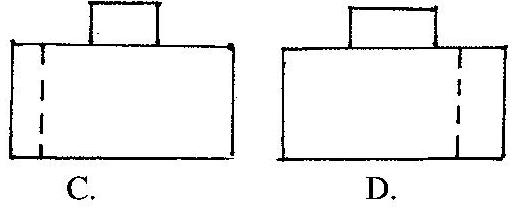
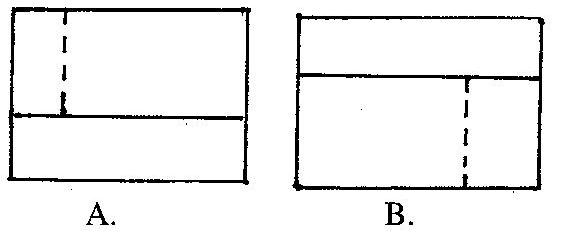
# 40 minutes

1. Which of the stitches can be used to hold down a hem decoratively?
   1. Basting
   2. Hemming
   3. Herringbone
   4. Overcasting
2. The advantage of buying food in bulk is that it
   1. becomes abundant
   2. becomes cheaper
   3. is easier to choose
   4. is easier to store
3. A balanced meal must contain
   1. food from each food group
   2. little fat and oil only
   3. protective foods only
   4. protein foods only
4. Drawing and painting are grouped under
   1. landscape
   2. still life
   3. three-dimensional work
   4. two-dimensional work
5. Identify the drawing tool from the following items
   1. Crayon
   2. Paper
   3. Palette
   4. Ruler

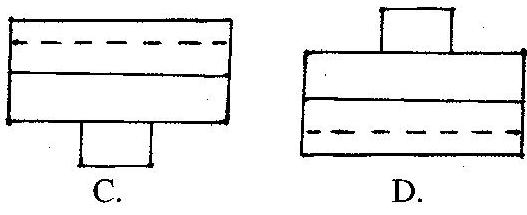
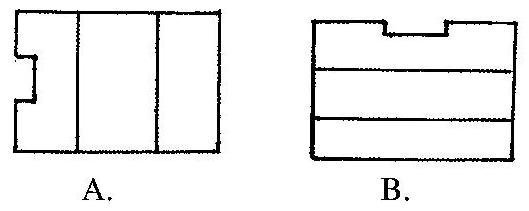
The figure below is a wooden block. Use it to answer Questions 6 and 7.



1. Which of the following represents the front view in the direction of arrow Q?



1. The plan is represented by



1. A sole proprietor
   1. shares profit with friends
   2. shares profit with a partner
   3. takes decisions alone
   4. takes decision with his staff
2. The statement describing the problem in designing is referred to as
   1. design brief
   2. design process
   3. situation
   4. investigation
3. Which of the following is not a type of joint for fixing parts of furniture
   1. movable joints
   2. unmovable joints
   3. Temporary joints
   4. permanent joints
4. In oblique drawing one side of the object is inclined at an angle of
   1. 30°
   2. 45°
   3. 60°
   4. 90°
5. In a circuit diagram, current flows from
   1. neutral to negative
   2. neutral to positive
   3. positive to negative
   4. negative to positive
6. Select a neutral colour from the options below
   1. blue
   2. orange
   3. red
   4. white
7. The first step in designing is
   1. choosing the right materials
   2. colouring the sketches
   3. identifying the problem
   4. making sketch models
8. A dressmaker may also be skillful in
9. embroidery making
10. furnishing homes beautifully
11. making beautiful paintings
12. selecting materials for upholstery
    1. I, II and III only
    2. I, II and IV only
    3. I, III and IV
    4. II, III and IV only
13. Turpentine is mixed with
    1. emulsion paint
    2. lacquer
    3. oil paint
    4. thinner
14. The elevation projected onto the side vertical plane is the
    1. front
    2. plan
    3. end
    4. back
15. Which of the following is not a fastener?
    1. bolts and nuts
    2. soldering bits
    3. screws
    4. rivets
16. Files are cleaned by using the
    1. file card
    2. hacksaw blade
    3. scriber
    4. chisel
17. Which of the following components stores electrical charge?
    1. diode
    2. switch
    3. resistor
    4. capacitor
18. The type of material used to strengthen joints in woodwork is known as
    1. adhesives
    2. abrasives
    3. sanding sealer
    4. wax polish
19. Which of the following types of line is used to indicate the size of a drawing?
    1. Hidden line
    2. Centre line
    3. Construction line
    4. Dimension line
20. Sandcrete bricks are made from
    1. cement and clay
    2. cement and sand
    3. cement and laterite
    4. cement and lime
21. Which of the following is used to protect the head from injury?
    1. apron
    2. gloves
    3. goggles
    4. helmet
22. The funnel is an example of surface development of a
    1. cone
    2. cylinder
    3. square prism
    4. square pyramid
23. Which of the following tools are used for boring wood?
    1. brace and bit
    2. mortice chisel and mallet
    3. hammer and cold chisel
    4. hammer and centre punch
24. The first step to be taken when checking a socket outlet for a fault is to
    1. open the socket outlet
    2. switch off power at the main switch
    3. test the socket outlet
    4. remove the main fuse
25. The soft solder is an alloy of
    1. copper and lead
    2. copper and tin
    3. lead and tin
    4. lead and aluminium
26. Which of the following is a cutting tool?
    1. scrubbing plane
    2. bench vice
    3. rawhide mallet
    4. soldering iron
27. A face side mark on planed wood indicates that the surface
    1. is smooth
    2. is rough
    3. has been tested for flatness
    4. has been tested for squareness