

- In your answer booklet, write only the letter of the answer chosen against the

<b>COMPETITIVE ENTRANCE EXAMINATION INTO HTTTC BAMBILI</b>	
<b>CYCLE:</b> 1 <sup>ST</sup> CYCLE	<b>Session: 2015</b>
<b>LEVEL:</b> 1 <sup>ST</sup> YEAR	
<b>OPTION:</b> WOODWORK	
<b>DURATION: 3hrs</b>	

question number.

- This question paper must be submitted together with the answer booklet.
- Each question carries one (1) mark

#### ENGLISH VERSION

- The queen Anne style is best known for
  - Bamboo stretchers
  - cabriole legs
  - fluted legs
  - fret work
- The two primary concern when designing cabinetry are:
  - Esthetic and function
  - function and solidity
  - function and form
  - equilibrium and function
- Details in drawing are first included when \_\_\_ ideas
  - Brain storing ideas
  - refining ideas
  - analyzing
  - making design decisions.
- What are the dimensions that controls the size of a bed frame?
  - Height of a person
  - mattress size
  - size of the bed room
  - weight of a person.
- Cabinet drawing has \_\_\_\_\_
  - All three views with true shape and size
  - no views with true shape and size
  - one view with true shape and size
  - two views with true shape and size
- A disadvantage of hard wood plywood compared to solid lumber is that;
  - edges must be hidden or taped
  - face veneer do not look like solid lumber
  - plywood is weaker than lumber
  - screws cannot be used with hardwood plywood.
- pencils are made up of wood surrounding writing materials like;
  - charcoal
  - graphite
  - hardened clay and graphite
  - lead

8. the different between softwood and hardwood is that;

- a) hardwood is harder than softwood      b) softwood is harder than hardwood  
c) softwood dent easier than hardwood      d) hardwood has more cells per inch.

9. Remanufactured grade softwoods have a moisture content that ranges from \_\_\_% to \_\_\_\_\_%

- a) 6 to 12    b) 10 to 20      c) 25 to 30      d) 18 to 22

10. The different between cap screws and machine bolts is the;

- a) Length of the thread    b) shank diameter    c) shape of the head    d) treads per head.

11. Explosion proof switches are recommended for use in

- a) Areas of wood working machines    b) finishing rooms    c) storage room    d) ware house

12. How many saw teeth should always be in contact with the work piece when working on a circular saw machine?

- A) one at a time    b) is determined by the width of the board    c) as many as possible    d) only a few

13. The two types of cutter heads available on portable power planes are;

- a) Helical and straight    b) square and circular    c) square and cylindrical  
d) Cylindrical and circular

14. Auger bits will not drill effectively;

- a) at an angle    b) in the width    c) in the thickness    d) in end grain

15. a drill press adaptable for shaping and routing:

- a) must be of variable speed    b) should be a (508mm) model    c) must be able to turn both clockwise and counter clockwise    d) has a chuck threaded to the spindle.

16. Shaper cutter and router bits are ground and honed on:

- a) all surfaces    b) the front of each cutting lip    c) on the back of each cutting lip    d) the level edge of the lip.

17. The difference between a jig and a fixture is that:

- a) Jigs hold work piece in position while fixtures guide the tool
- b) Jigs guide tools or work piece in position while fixtures are holding devices
- c) Jigs perform the same function as fixture
- D) Jigs are temporal devices while fixtures are permanent devices

18. The main advantage of the abrasive planer over a knife planer is:

- a) The abrasive planer smoothens the timber while the knife planer does not
- b) The abrasive planer works on wide surfaces while the knife planer works on small surfaces.
- c) The abrasive planer use abrasive while the knife planer use but cutters
- d) The abrasive planer does not tear grain around knots and elinate planer skip.

19. Wet bending is done at moisture content around:

- a) 50%
- b)25%
- v
- c)15%
- d)10%

20. the most appropriate adhesive for applying plastic laminates is:

- a) Polyvinyl
- b)contact cements
- c) resorcinol
- d)aliphatic resin

21. An example of a synthetic penetrating finish on wooden cabinet is:

- a) Tung oil
- b) alkyd oil
- c) linseed oil
- d) wax

22. For water mixed wood putty, the pot life can be extended using:

- a) Paint thinner
- b) water
- c)mineral spirit
- d)vinegar

23. The change from internal to external-mix nozzle on a spray gone is done by:

- a) using different gun
- b)increasing the an-pressure
- c)replacing the air cap
- d) reducing the air pressure.

24. What type of built-up coating materials may not require a sealer?

- a)shellac
- b)French polish
- c) lacquer
- d)vanish

25. A motor chosen to drive a circular saw directly has a speed of 1450rev/min, and the largest saw which can be used on it has a diameter of 660mm. calculate the periphery speed.

- a) 2.19m/sec
- b)957m/sec
- c)300.73m/sec
- d)5.01m/sec