1. This brass drawer pull was manufactured using which of these processes?

(a) investment casting  
(b) turning  
(c) presswork  
(d) punching
2. Brass plumbing compression fittings are manufactured using which of these processes?

   (a) sand casting
   (b) investment casting
   (c) presswork
   (d) broaching

3. Brass screw cups are manufactured using which of these processes?

   (a) sand casting
   (b) investment casting
   (c) presswork
   (d) milling
4. Volume produced stainless steel sink strainers are manufactured using which of these processes?

(a) drilling
(b) investment casting
(c) presswork
(d) punching

5. Volume produced stainless steel paper clips are manufactured using which of these processes?

(a) sand casting
(b) investment casting
(c) vacuum casting
(d) presswork
6. The bronze statue was manufactured using which of these processes?

(a) sand casting
(b) investment casting
(c) CNC milling
(d) Shell casting

7. Alloy wheels are manufactured using which of these processes?

(a) sand casting
(b) investment casting
(c) presswork
(d) die casting
8. What type of casting process is shown in the figure?

(a) sand casting  
(b) investment casting  
(c) centrifugal casting  
(d) die casting

9. Which of these metals is most commonly sand cast?

(a) titanium  
(b) bronze  
(c) silver  
(d) steel
10. Which is the most likely process used to manufacture the 3 mm thick component shown in the picture?

(a) bending  
(b) presswork  
(c) cnc milling  
(d) casting

11. Die casting mould are usually made from which of these materials?

(a) steel  
(b) aluminium  
(c) cast iron  
(d) bronze
12. Powder coated steel central heating radiators are manufactured using which of these processes?

(a) sand casting  
(b) presswork  
(c) bending  
(d) shaping

13. Steel vices are manufactured using which of these processes?

(a) sand casting  
(b) cnc milling  
(c) presswork  
(d) die casting
14. What does CNC stand for?

(a) Computer Numerically Contact
(b) Computer Numerically Connected
(c) Computer Numerically Coordinated
(d) Computer Numerically Controlled

15. Why do casting processes generally produce minimal waste?

(a) because moulds are carefully designed.
(b) because excess metal can be melted down and used again
(c) because factories are always kept warm
(d) because castings shrink when they cool down
16. The stainless steel tart mould was manufactured using which of these processes?

(a) sand casting  
(b) cnc milling  
(c) presswork  
(d) die casting

17. Cast iron rain grills are manufactured using which of these processes?

(a) sand casting  
(b) broaching  
(c) presswork  
(d) milling
18. Steel washers are manufactured using which of these processes?

(a) sand casting  
(b) shell casting  
(c) presswork  
(d) turning

19. Which of these metals is commonly die cast?

(a) titanium  
(b) lead  
(c) steel  
(d) aluminium
20. What does CAM stand for?

(a) Computer Aided Milling
(b) Computer Aided Machining
(c) Computer Aided Manufacturing
(d) Computer Aided Mechanic

21. The solidification time is a function of the volume of casting and its surface area

(a) true
or
(b) false
22. Ceramic mold are used due to high temperature resistance

(a) true
or
(b) false

23. Which of the following manufacturing processes is most appropriate for producing steel I-beams?

(a) casting
(b) extrusion
(c) forging
(d) broaching
24. The steel connecting rods for an engine need to be strong and lightweight and have a consistent grain. Which initial manufacturing process would be most appropriate for creating these rods?

(a) investment casting  
(b) machining  
(c) hot forging  
(d) broaching

25. Which initial process would be most appropriate for manufacturing of centrifugal pump casings?

(a) sand casting  
(b) machining  
(c) forging  
(d) extrusion
26. Which of these processes is used for manufacturing of bi-metal pipes?

(a) sand casting
(b) turning
(c) forging
(d) centrifugal casting

27. Which of the following manufacturing processes is most appropriate for producing electric motor bodies?

(a) casting
(b) extrusion
(c) forging
(d) milling