1. The _________ process, patented in _______ is commonly known as “lost- _______” process.
2. In the EPC process; _______ are not used, hence it is mostly advantageous in making _______ in automobiles.
3. In the EPC process, the ____________ is used to cover the foam cluster; which acts as a barrier preventing the penetration and sand erosion during pouring.
4. In EPC process, the patters are made from _________________
5. In case of coating materials in EPC, ______________is preferred for rougher sand while ________________ is used for finer sand.
6. In EPC process, as the sand is unbounded, due to the difference in the ______ of the metal; sand may fall down in the generated cavity, leading to a defective casting.
7. The function of a coating material in EPC is to provide _______ and seal the ________.
8. The VAEPC stands for __________________________________________.
9. The V- Process stands for ____________, it was developed in Japan in _____.
10. The V-process does not require __________ methods and equipment to remove the casting out and the sand can be _____ after cooling without further treatments.
11. In the V- Process, _____ is not required on the pattern, thereby reducing the _______ costs.
12. In making mould for the V- process, two _________________ films are used in order to seal the box.
13. The investment casting process initiates with the production of _____________ the required shape of castings.
14. ____________is the last operation before final finishing in the casting process.
15. The major limitations of the investment casting process is the _____ and ______ of the shells, which limits its size and mass obtained.
16. Some common types of wax used in ceramic shell investment casting are ______
17. A ___________ is a machine which makes use of an earlier conditioned wax and injects it into a __________, to produce a wax pattern.
18. The _____________ molding process was invented in Germany and is also known as the ____________.

19. The ___________ resins used for the shell process are costly and make the sand difficult to ______________.

20. In shell molding, the resin sand mix aggregate coating can be prepared by ________, ____________, and ___________ methods.

MODULE 2: Answers to the quiz/ short questions

1. Evaporative Pattern Casting (EPC), 1958, Foam
2. Cores, Cylinder heads and engine blocks
3. Ceramic coating
4. Expendable Polystyrene (EPS)
5. Highly permeable coating, medium and low permeable coating.
6. Evaporation rate and flow rate.
7. Refractory protection, penetration of metals.
9. The Vacuum Sealed Molding process, 1971
10. Shaking out, reused.
11. Draft, material
12. Plastic polyethylene / Ethylene vinyl Alcohol
13. Wax replicas or patterns
14. Fettling (cutting off)
15. Cost and delicacy
16. Bee, paraffin, canauba and montana.
17. Wax injector, die
18. Shell, Croning process
19. Phenolic, reclaim.
20. Hot, cold or warm