Assignment 1

The due date for submitting this assignment has passed. Due on 2021-02-03, 23:59 IST.

As per our record, you have not submitted this assignment.

1) In die casting process:
   - The mold material is sand and the molten metal is poured by pressure
   - The mold material is metal and the molten metal is poured by gravity
   - The mold material is sand and the molten metal is poured by gravity
   - The mold material is metal and the molten metal is poured by pressure
   a) the answer is incorrect
   b) Accepted Answers
   c) The mold material is sand and the molten metal is poured by pressure

   1 point

2) In sand casting process:
   - An unpurified mold is used
   - An untempered mold is used
   - Pure metal is poured by pressure
   - The parts can be produced to net shape
   a) the answer is incorrect
   b) Accepted Answers
   c) An unpurified mold is used

   1 point

3) A pattern is:
   - The inner image of the part to be cast
   - A die in a casting process used to compensate for the shrinkage
   - An assembly used for making identical holes in castings
   - The replica of the part to be cast
   a) the answer is incorrect
   b) Accepted Answers
   c) The replica of the part to be cast

   1 point

4) Shrinkage allowance:
   - Directly proportional to the linear coefficient of thermal expansion of the material
   - Inversely proportional to the length of the casting
   - Does not depend on the ambient temperature
   - Is directly proportional to the heating point of the material
   - Does not depend on the length of the casting
   a) the answer is incorrect
   b) Accepted Answers
   c) The shrinkage allowance is directly proportional to the linear coefficient of thermal expansion of the material

   1 point

5) The shrinkage allowance in the casting will be __________. (Round off answer to the nearest integer)

   1 point

6) A pattern is:
   - The inner image of the part to be cast
   - A die in a casting process used to compensate for the shrinkage
   - An assembly used for making identical holes in castings
   - The replica of the part to be cast
   a) the answer is incorrect
   b) Accepted Answers
   c) The replica of the part to be cast

   1 point

7) A proper put on the surface parallel to the direction of withdrawal of the pattern from the mold cavity carved to as
   a) Machining allowance
   b) Shrinkage allowance
   c) Draft
   d) Tolerance
   a) the answer is incorrect
   b) Accepted Answers
   c) Draft

   1 point

8) Turbulent flow of molten metal into the mold should be avoided along
   a) Begins to form in the solidified metal
   b) Stresses continually grow
   c) Causes internal deformations of the mold
   d) Causes formation of gases
   e) Causes mold erosion
   a) the answer is incorrect
   b) Accepted Answers
   c) Stresses continually grow

   1 point

9) Selection of right combination of answers:
   - a, b, c, d
   - b, c, d
   - a, c, d
   - a, b, c
   a) the answer is incorrect
   b) Accepted Answers
   c) a, b, c, d

   1 point

10) The space in a cylindrical shape:
    - The face to face contact is more than the casting
    - The face to face space
    - The space in a taper shape
    a) the answer is incorrect
    b) Accepted Answers
    c) The space in a taper shape

    1 point

11) A space in a cylindrical shape:
    - The face to face contact is more than the casting
    - The face to face space
    - The space in a taper shape
    a) the answer is incorrect
    b) Accepted Answers
    c) The space in a taper shape

    1 point