Assignment 2

The due date for submitting this assignment has passed. Due on 2018-02-07, 23:59 IST.

Submitted assignment

1) Which of the following property is required for good wax pattern 1 point

- High melting point
- High wettability
- High ash content
- Low hardness

No, the answer is incorrect.
Score: 0

Accepted Answers: High wettability

2) Which of the following statement is/are true for draft allowance? 1 point

(i) The inner surface of the pattern requires lesser draft than the outer surface.
(ii) More draft should be provided for hand moulding compared to machine moulding.

- Only i
- Only ii
- Both i and ii
- None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers: Only ii

3) Muller is used for 1 point

- remove small pieces of metal or foreign particles
- remove iron particles from sand

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4) Permeability of sand can be defined as
- Property of sand due to which sand grains stick together
- Ability to hold firmly in the moulding box when lifted
- Property of sand due to which gases are escaped from sand
- Ability of sand to withstand heat of melt without fusing or breakdown

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Property of sand due to which gases are escaped from sand*

5) Which of the following is used for making cavities and hollow projections in casting?
- Core
- Core print
- Muller
- Padding

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Core*

6) Recess provided in the material for locating and positioning of cores is called as
- Chill
- Slinging
- Core print
- Core

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Core print*

7) Which one of the following is not a property of a sand mould?
- Permeability
- Collapsibility
- Strength
- Fluidity

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Fluidity*

8) Wood flour is added to core sand to improve
- Collapsibility of core
- Dry strength of core
- Shear strength of core
- Tolerance on casting

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Collapsibility of core*
9) Match the following according to the properties of moulding sand (1 point)

(A) Cohesiveness (i) Ability to break the mould with little force
(B) Adhesiveness (ii) Ability to withstand higher temperature without losing strength
(C) Refractoriness (iii) Ability of bond formation of sand particles with other materials
(D) Collapsibility (iv) Ability to form bond between sand particles

- A-iii, B-ii, C-i, D-iv
- A-ii, B-i, C-iii, D-iv
- A-i, B-iii, C-iv, D-ii
- A-iv, B-iii, C-ii, D-i

No, the answer is incorrect. Score: 0

Accepted Answers:
- A-iv, B-iii, C-ii, D-i

10) Match the appropriate statement with the given types of pattern (1 point)

(A) Cope & drag pattern (i) Pattern should be entirely into the drag
(B) Gated pattern (ii) Separate metal or wooden plates are aligned
(C) Single piece pattern (iii) Several patterns may be fixed on single plate
(D) Match plate pattern (iv) Runner system are an integral part

- A-i, B-ii, C-iv, D-iii
- A-iv, B-iii, C-ii, D-i
- A-ii, B-iv, C-i, D-iii
- A-i, B-iv, C-ii, D-iii

No, the answer is incorrect. Score: 0

Accepted Answers:
- A-ii, B-iv, C-i, D-iii