Assignment No. 2

The due date for submitting this assignment has passed. **Due on 2019-08-21, 23:59 IST.**
As per our records you have not submitted this assignment.

1) The metals which can be machined by non-conventional method is/are

- [ ] Ceramics
- [ ] Titanium alloy
- [ ] Super alloys
- [ ] All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
*All of the above*

2) Parameters primarily considered for selection of a manufacturing process for a given product are

- [ ] Product features and operational cost
- [ ] Roughness and tolerance
- [ ] Flatness and accuracy
- [ ] All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
*Product features and operational cost*

3) Primary shape of large size components like Girth gear, large diameter shaft etc. is realized through

- [ ] 1 point
4) Hand tools like wrenches, spanner and hammer etc. are made by the process of  
- Casting
- Forging
- Machining
- Rolling

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Casting

5) Transformation hardening in high carbon steels due to heating and cooling cycle is caused by  
- Precipitates
- Change of phase
- Dislocation
- Second phase particles

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Change of phase

6) Dissolution of precipitates due to external heating of precipitation hardened Al alloy is known as  
- Dissolution
- Reversion
- Recreation
- All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Reversion

7) A component can be produced by any of the four processes I, II, III, IV. The fixed cost and the  
variable cost for each of the processes are tabulated below. The most economical process for producing a  
batch of 100 pieces is
<table>
<thead>
<tr>
<th>Process</th>
<th>Fixed cost (in Rs.)</th>
<th>Variable cost per piece (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>20</td>
<td>3</td>
</tr>
<tr>
<td>II</td>
<td>50</td>
<td>1</td>
</tr>
<tr>
<td>III</td>
<td>40</td>
<td>2</td>
</tr>
<tr>
<td>IV</td>
<td>10</td>
<td>4</td>
</tr>
</tbody>
</table>

8) In a small scale industry, for manufacturing a product the fixed cost is Rs. 5000. The variable cost is Rs. 20 per product and sales price is Rs. 30 per product. The break-even production will be

- 300
- 460
- 500
- 10000

No, the answer is incorrect.
Score: 0
Accepted Answers: 500

9) Sand casted product are characterized as

- High tolerance limit and poor surface finish
- Low tolerance limit and good surface finish
- Low tolerance limit and poor surface finish
- High tolerance limit and good surface finish

No, the answer is incorrect.
Score: 0
Accepted Answers: *High tolerance limit and poor surface finish*

10) Metal having higher specific heat generally offers

- Lower fluidity
- Higher fluidity
- Moderate fluidity
- Can't relate to fluidity

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