2018 GRADE 7 TECHNOLOGY JUNE MEMO

Question 1
1.1. C
1.2. D
1.3. A
1.4. C
1.5. B

[5]

Question 2[a]
2.1.1. D
2.1.2. B
2.1.3. E
2.1.4. A
2.1.5. C

[5]

Question 2[b]
2.2.1. True
2.2.2. True
2.2.3. False
2.2.4. False
2.2.5 False

[5]

Question 3
3.1. Recommend a washing machine capable of washing 13kg of clothes at a go.
3.2. The machine should meet all the criteria and it should be in a proper working condition.
3.3. a. This line shows the outer side of the machine.
b. The line that shows the hidden details inside the machine itself.
c. The line that shows the centre of the machine.
d. The line that shows the length of a certain side.
3.4.
3.5. Acute angle [45°]√
3.6. Learners learn skills, knowledge and values that help them to solve problems that they encounter in their everyday life. √

QUESTION 4
4.1. Who is the product/structure for? √
4.2. What is it for? √
4.3. Will it do what it is meant for [the purpose]? √
4.4. How much will it cost/Is it cost effective? √
4.5. Is it easy to use? √

Question 5[a]

<table>
<thead>
<tr>
<th>Name of structure</th>
<th>Man-made</th>
<th>Natural</th>
<th>Shell</th>
<th>Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Human skeleton</td>
<td>_____ √</td>
<td></td>
<td></td>
<td>√</td>
</tr>
<tr>
<td>B. Cellphone tower</td>
<td>_____ √</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. Egg shell</td>
<td></td>
<td>_____ √</td>
<td>_____ √</td>
<td></td>
</tr>
<tr>
<td>D. Eiffel tower</td>
<td>_____ √</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E. Balloon</td>
<td>_____ √</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[5]

Question 5[b]
5.2.1 a. Shell√
   b. Frame√
   c. Solid√
5.2.2 a. House/tent√
   b. Shelter/bus stop shelter√
5.2.3 a. Electric pylon√
   b. Bridges/chairs√
5.2.4 a. Cupboard/bottles√
   b. Cardboard boxes√

[10]

Question 6
6.1 Wood√ steel√ plastic√
6.2 Wood------varnish/paint√
       Iron------paint√
6.3 Shell√
6.4 a. Hammer/hacksaw√
       b. Screw driver/drill bits√
6.5 a. It must have a table section that is attached to a wooden seat.√
b. Must have a back rest. √
c. Must have a storage space for learners books. √
d. Must be comfortable. √
e. Size must suit learners of different ages. √

Question 7
7.1 a. The base should be broad/wide √ √
    b. It should be lighter at the top and heavier at the bottom. / The height should be as low as possible. √ √
7.2 a. Triangulation √
    b. Cross bracing √
7.3 People want to avoid accidents caused by falling/collapsing steel stands √ √
7.4 a. Poor workmanship √
    b. Poor quality of materials √

GRAND-TOTAL: [80]