Mark Scheme for June 2013
OCR (Oxford Cambridge and RSA) is a leading UK awarding body, providing a wide range of qualifications to meet the needs of candidates of all ages and abilities. OCR qualifications include AS/A Levels, Diplomas, GCSEs, Cambridge Nationals, Cambridge Technicals, Functional Skills, Key Skills, Entry Level qualifications, NVQs and vocational qualifications in areas such as IT, business, languages, teaching/training, administration and secretarial skills.

It is also responsible for developing new specifications to meet national requirements and the needs of students and teachers. OCR is a not-for-profit organisation; any surplus made is invested back into the establishment to help towards the development of qualifications and support, which keep pace with the changing needs of today’s society.

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners’ meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates’ scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

OCR will not enter into any discussion or correspondence in connection with this mark scheme.

© OCR 2013
Annotations

<table>
<thead>
<tr>
<th>Annotation</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image 1" /></td>
<td>Level 1</td>
</tr>
<tr>
<td><img src="image2.png" alt="Image 2" /></td>
<td>Level 2</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image 3" /></td>
<td>Level 3</td>
</tr>
<tr>
<td><img src="image4.png" alt="Image 4" /></td>
<td>Noted but no credit given</td>
</tr>
<tr>
<td><img src="image5.png" alt="Image 5" /></td>
<td>Tick</td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>1</td>
<td>(C) Alpaca</td>
</tr>
<tr>
<td>2</td>
<td>(D) Planned Obsolescence</td>
</tr>
<tr>
<td>3</td>
<td>(C) Risk assessment</td>
</tr>
<tr>
<td>4</td>
<td>(A) Toxic Chemicals</td>
</tr>
<tr>
<td>5</td>
<td>(B) Heat Sensitive</td>
</tr>
<tr>
<td>6</td>
<td>The symbol shown stands for Do not Bleach</td>
</tr>
<tr>
<td>7</td>
<td>Mobius Loop</td>
</tr>
<tr>
<td>8</td>
<td>RFID = Radio Frequency identification Data</td>
</tr>
<tr>
<td>9</td>
<td>Polyester, nylon, lycra, elastane, acrylic &amp; olefin</td>
</tr>
<tr>
<td>10</td>
<td>Biodegradable</td>
</tr>
<tr>
<td>11</td>
<td>FALSE</td>
</tr>
<tr>
<td>12</td>
<td>FALSE</td>
</tr>
<tr>
<td>13</td>
<td>TRUE</td>
</tr>
<tr>
<td>14</td>
<td>FALSE</td>
</tr>
<tr>
<td>15</td>
<td>TRUE</td>
</tr>
<tr>
<td></td>
<td><strong>Total 15</strong></td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
</tr>
</tbody>
</table>
| 16 (a)  | • Sustainable / renewable resource  
          • Can be recycled / reused / broken down into its fibres  
          • Biodegradable / decompose  
          • Natural fibre / no / limited chemicals / no / limited dyes  
          • Low cost to replace / to environment  
          • Life cycle process (grows back) – low CO2 / pollution.  
          • No chemicals / dyes used  
          • Organic material | 3 | Do not accept ‘can use natural dyes’ |
| (b)     | • Dyes from pigments from plants / flowers  
          • Animals / insects  
          • Vegetables  
          • Fruit  
          • Any two specific named sources commonly used for dye: beetroot, onion skins, blackberry, walnut shell. | 2 | |
| (c)     | Embroidery  
          Knitting  
          Crochet  
          Appliqué / reverse applique / mola  
          Patchwork  
          Lace making  
          Weaving.  
          Beads / sequins / buttons  
          Quilting  
          Shisha | 3 | Do not accept machine or CNC embroidery. |
| (d)     | Can be produced at home.  
          Less/no transport to get to work  
          Less use of electricity  
          Keeps alive traditional crafts | 3 | Must be social reasons. |

Do not accept ‘can use natural dyes’.
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
</tr>
</thead>
</table>
| (e)      | • Use of chemicals in the manufacturing process  
• Higher use of finite resources / heavy use of non-renewable resources  
• Becomes a manmade fibre / combination / non-natural  
• Emissions / Pollution / contributions to global warming  
• Needs high temperatures to be made  
• High energy usage in manufacturing  
• Cannot recycle the fabric as it is blended / Non-recyclable.  
• Landfill  
• No longer biodegradable. | 4     | Marks for explanation and the quality of explanation one word answers or a list – no more than 2 marks. |
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
</tr>
</thead>
</table>
| 17 (a)  | Credit any relevant **HOUSEHOLD TEXTILE** product – bags / duvet / cushion / towel / curtains / apron / pillow | 2 | Do **not** credit repeats. 
Product must be a **household textile** product. |
| (b) (i) | **Use of materials** (3):  
- Renewable materials / natural materials  
- Fair-trade  
- Cost  
- Sourcing / recycling components and materials | 9 | Maximum of three marks for each area. 
One point well explained with examples can be three marks. 
A list or bullet points = max of 2 marks. |
| (ii)    | **Carbon Footprint** (3):  
- Low energy usage in manufacturing  
- Minimum use of transport  
- Source locally  
- Use of renewable energy  
- Reduction in CO2 emissions. | | |
| (iii)   | **Disposal and recycling of product** (3):  
- Number and types of materials  
- Amount and type of components used  
- Repair of item  
- Decomposability item / biodegradable  
- Ways in which it can be recycled eg primary, secondary, tertiary  
- No Built in Obsolescence.. | | |
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
</tr>
</thead>
</table>
| (c)      | • Carrying  
          • Fastenings / safety / choking hazard  
          • Size  
          • Materials / colourful  
          • Compartments / pockets  
          • Weight  
          • Ergonomics / anthropometrics.  
          • Durable / strong  
          • Unisex  
          • Easy to wash / care for | 4 |          |
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
</tr>
</thead>
</table>
| 18       | Points relating to:  
  • Long working hours  
  • Poor working conditions  
  • Poor health and safety  
  • Child labour/sweatshop  
  • Suppressed rights of workers  
  • High % of man made fibres/materials  
  • High usage of fossil fuels  
  • Poor health for workers  
  • Poor living conditions  
  • Reference to ETI  
  • Reference to Fairtrade issues. | 6 | **Level 3 (5–6 marks)**  
Thorough discussion, showing clear understanding of how low cost products made abroad can affect the social and moral conditions of the workers.  
Specialist terms will be used appropriately and correctly.  
The information will be presented in a structured format.  
The candidate will demonstrate the accurate use of spelling, punctuation and grammar. |
|          |        |       | **Level 2 (3–4 marks)**  
Adequate discussion, showing an understanding of how low cost products made abroad can affect the social and moral conditions of the workers.  
There will be some use of specialist terms, although these may not always be used appropriately.  
The information will be presented for the most part in a structured format.  
There may be occasional errors in spelling, grammar and punctuation. |
|          |        |       | **Level 1 (1–2 marks)**  
Basic discussion, showing some understanding of how low cost products made abroad can affect the social and moral conditions of the workers.  
There will be little or no use of specialist terms.  
Answers may be ambiguous or disorganised or ‘list like’.  
Errors of grammar, punctuation and spelling may be intrusive. |
<p>|          |        |       | 0 = no response worthy of credit |</p>
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
<th>Marks</th>
<th>Guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 (b)</td>
<td>Safety standard symbols</td>
<td>2</td>
<td>One mark for correct label name and one mark for sketch. Accept any recognisable sketch of the label.</td>
</tr>
<tr>
<td></td>
<td>CE label / European safety label</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BSI kite mark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The BEAB mark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>The Lion mark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Confidence in textiles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 (c)</td>
<td>Globalisation / global / export / exportation / import</td>
<td>1</td>
<td>Answer must relate to international business.</td>
</tr>
<tr>
<td>Question</td>
<td>Answer</td>
<td>Marks</td>
<td>Guidance</td>
</tr>
<tr>
<td>----------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| (d) | • Less transport used within the environment – less cost/less emissions/less CO2  
• Emailing of designs to companies all over the world – money/time/less emissions/energy usage etc  
• Less use of finite resources in transportation  
• Carbon footprint reduced  
• Virtual prototypes – saves using resources  
• Efficient planning eg pattern pieces / templates  
• Pattern lays transferred to machines – reduces fabric wastage  
• 3D modelling programme reduces wastage/quicker/more efficient.  
• Less waste of / use of paper  
• Erase work without disposing of it | 6 | Mark for identification of an advantage and one mark for the quality of the explanation. (3x2) |

Total 15