Appendix-1a

SCORING OF FIGURAL FORM B FOR ORIGINALITY

In the regular scoring system of TTCT, the guide for scoring originality is based on a tabulation of a national sample of 500 subjects ranging from kindergarten through graduate school and adults not attending school. In this study the guide for scoring 'Originality' is based on a tabulation of 480 subjects of primary school of Bangladesh, ranging from grade one to grade five. Responses which were found common for Bangladeshi children are given below. The common response as mentioned in TTCT manual is also given below.

For activity-1 (Picture construction)
Responses which score 'O' (zero) originality points for Form B is listed below:

<table>
<thead>
<tr>
<th>Common responses as found on Bangladeshi sample</th>
<th>Common responses as found in TTCT manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal</td>
<td>Animal</td>
</tr>
<tr>
<td>Bean</td>
<td>Bean</td>
</tr>
<tr>
<td>Boat</td>
<td>Boat</td>
</tr>
<tr>
<td>Human face</td>
<td>Human face</td>
</tr>
<tr>
<td>Bird</td>
<td>Egg</td>
</tr>
<tr>
<td>Mango</td>
<td>Hat</td>
</tr>
<tr>
<td>Banana</td>
<td>Hot dog</td>
</tr>
<tr>
<td>Apple</td>
<td></td>
</tr>
<tr>
<td>Flower</td>
<td></td>
</tr>
</tbody>
</table>
For activity-2 (Picture completion)

Responses which score 'O' (zero) Originality points for Form B is listed below:

For figure-1

<table>
<thead>
<tr>
<th>Common in Bangladesh</th>
<th>Common as mentioned in TTCT manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boat</td>
<td>Banana</td>
</tr>
<tr>
<td>Umbrella</td>
<td>Boat</td>
</tr>
<tr>
<td>Knife</td>
<td>Bowl</td>
</tr>
<tr>
<td>Pot</td>
<td>Knife</td>
</tr>
<tr>
<td>Eye</td>
<td>Letter(s) or alphabet</td>
</tr>
<tr>
<td></td>
<td>Moon</td>
</tr>
<tr>
<td></td>
<td>Mouth</td>
</tr>
<tr>
<td></td>
<td>Number(s)</td>
</tr>
</tbody>
</table>

Figure-2

<table>
<thead>
<tr>
<th>Common in Bangladesh</th>
<th>Common in TTCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>House</td>
<td>Boot</td>
</tr>
<tr>
<td>Shoe</td>
<td>Shoe</td>
</tr>
<tr>
<td>Car</td>
<td>Geometric figures</td>
</tr>
<tr>
<td>Plane</td>
<td>House</td>
</tr>
<tr>
<td>Leg</td>
<td>Alphabet</td>
</tr>
<tr>
<td>Tree</td>
<td>Numberal</td>
</tr>
<tr>
<td>Gun</td>
<td></td>
</tr>
<tr>
<td>Magnet</td>
<td></td>
</tr>
<tr>
<td>Door</td>
<td></td>
</tr>
</tbody>
</table>

Figure-3

<table>
<thead>
<tr>
<th>Common in Bangladesh</th>
<th>Common in TTCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bird</td>
<td>Body parts</td>
</tr>
<tr>
<td>Cow</td>
<td>Human face</td>
</tr>
<tr>
<td>Fish</td>
<td>Alphabet</td>
</tr>
<tr>
<td>Finger</td>
<td>Numberal(s)</td>
</tr>
<tr>
<td>Banana</td>
<td></td>
</tr>
<tr>
<td>Leave</td>
<td></td>
</tr>
<tr>
<td>Ear</td>
<td></td>
</tr>
<tr>
<td>Figure-4</td>
<td>Common in Bangladesh</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Ladder</td>
<td>Ladder</td>
</tr>
<tr>
<td>Scale</td>
<td>Alphabet</td>
</tr>
<tr>
<td>House</td>
<td>Numberal</td>
</tr>
<tr>
<td>Stair</td>
<td>Rail Road</td>
</tr>
<tr>
<td>Table</td>
<td>Rectangle</td>
</tr>
<tr>
<td>Letter</td>
<td>Road</td>
</tr>
<tr>
<td>Pencil</td>
<td></td>
</tr>
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<table>
<thead>
<tr>
<th>Figure-5</th>
<th>Common in Bangladesh</th>
<th>Common as mentioned in TTCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>House</td>
<td></td>
<td>Geometric figure</td>
</tr>
<tr>
<td>Umbrella</td>
<td></td>
<td>Kite</td>
</tr>
<tr>
<td>Arrow</td>
<td></td>
<td>Alphabet</td>
</tr>
<tr>
<td>Letters</td>
<td></td>
<td>X-sign</td>
</tr>
<tr>
<td>Book</td>
<td></td>
<td>Numberal(s)</td>
</tr>
<tr>
<td>Kite</td>
<td></td>
<td>Window</td>
</tr>
<tr>
<td>Flag</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Figure-6</th>
<th>Common in Bangladesh</th>
<th>Common as mentioned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td></td>
<td>Human face</td>
</tr>
<tr>
<td>Egg</td>
<td></td>
<td>Letters</td>
</tr>
<tr>
<td>Flower</td>
<td></td>
<td>Numberal(s)</td>
</tr>
<tr>
<td>Mango</td>
<td></td>
<td>Snail</td>
</tr>
<tr>
<td>Snail</td>
<td></td>
<td>Spiral</td>
</tr>
<tr>
<td>Letter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orange</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Figure-7</th>
<th>Common in Bangladesh</th>
<th>Common as mentioned in TTCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apple</td>
<td></td>
<td>Human face</td>
</tr>
<tr>
<td>Alphabet</td>
<td></td>
<td>Alphabet</td>
</tr>
<tr>
<td>Mango</td>
<td></td>
<td>Numberal</td>
</tr>
<tr>
<td>Snail</td>
<td></td>
<td>Snail</td>
</tr>
<tr>
<td>Leave</td>
<td></td>
<td>Snake</td>
</tr>
<tr>
<td>Ear</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Figure-8</td>
<td>Common in Bangladesh</td>
<td>Common as mentioned in TTCT</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Leave</td>
<td>Bird</td>
<td></td>
</tr>
<tr>
<td>Mango</td>
<td>Flower</td>
<td></td>
</tr>
<tr>
<td>Flower</td>
<td>Human face</td>
<td></td>
</tr>
<tr>
<td>Fire</td>
<td>Leaf</td>
<td></td>
</tr>
<tr>
<td>Bird</td>
<td>Alphabet</td>
<td></td>
</tr>
<tr>
<td>Figure-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flower</td>
<td>Box</td>
<td></td>
</tr>
<tr>
<td>Face</td>
<td>House</td>
<td></td>
</tr>
<tr>
<td>Jug</td>
<td>Human face</td>
<td></td>
</tr>
<tr>
<td>Glass</td>
<td>Alphabet</td>
<td></td>
</tr>
<tr>
<td>Bag</td>
<td>Numberal(s)</td>
<td></td>
</tr>
<tr>
<td>Leave</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Letter(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dress</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Figure-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flag</td>
<td>Book</td>
<td></td>
</tr>
<tr>
<td>Door</td>
<td>Flag</td>
<td></td>
</tr>
<tr>
<td>Kite</td>
<td>Geometric figures</td>
<td></td>
</tr>
<tr>
<td>Gun</td>
<td>Hangman, gallows etc.</td>
<td></td>
</tr>
<tr>
<td>Jug</td>
<td>Numeral(s)</td>
<td></td>
</tr>
<tr>
<td>House</td>
<td>Shoe, Boot</td>
<td></td>
</tr>
<tr>
<td>Letter(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Umbrella</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Originality Points

**For activity-3: (Circles)**

<table>
<thead>
<tr>
<th>Common in Bangladesh</th>
<th>Common as mentioned in TTCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sun</td>
<td>Animal</td>
</tr>
<tr>
<td>Ball</td>
<td>Apple</td>
</tr>
<tr>
<td>Clock</td>
<td>Ball</td>
</tr>
<tr>
<td>Flag</td>
<td>Balloon(s)</td>
</tr>
<tr>
<td>Flag</td>
<td>Car</td>
</tr>
<tr>
<td>Flower</td>
<td>Cat or kitten</td>
</tr>
<tr>
<td>Coin</td>
<td>Circle</td>
</tr>
<tr>
<td>Circle</td>
<td>Clock or watch</td>
</tr>
<tr>
<td>Ballon</td>
<td>Coin</td>
</tr>
<tr>
<td>Egg</td>
<td>Dots</td>
</tr>
<tr>
<td>Face</td>
<td>Earth, Globe, Planet, Egg, including Easter</td>
</tr>
<tr>
<td>Eyes</td>
<td>Eyeglasses</td>
</tr>
<tr>
<td>Wheal</td>
<td>Eyes, eyeball</td>
</tr>
<tr>
<td>Moon</td>
<td>Fruity</td>
</tr>
<tr>
<td>Eye glasses</td>
<td>Geometric design</td>
</tr>
<tr>
<td>Clock</td>
<td>Human face or figure</td>
</tr>
<tr>
<td></td>
<td>letter(s) of the alphabet</td>
</tr>
<tr>
<td></td>
<td>Moon</td>
</tr>
<tr>
<td></td>
<td>Number(s)</td>
</tr>
<tr>
<td></td>
<td>Pie</td>
</tr>
<tr>
<td></td>
<td>Sign or symbol</td>
</tr>
<tr>
<td></td>
<td>Snowman</td>
</tr>
<tr>
<td></td>
<td>Stoplight</td>
</tr>
<tr>
<td></td>
<td>Sun</td>
</tr>
<tr>
<td></td>
<td>Wheel or fire</td>
</tr>
</tbody>
</table>
STREAMLINED SCORING SHEET
TORRANCE TESTS OF CREATIVE THINKING, FIGURAL FORMS A and B

<table>
<thead>
<tr>
<th>Name</th>
<th>Test Date</th>
<th>Form</th>
<th>Grade</th>
<th>Age</th>
<th>Sex</th>
<th>School</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Raw Score</th>
<th>Standard Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fluency</td>
<td>Act 2 ___ + Act 3 ____ = _______</td>
<td></td>
</tr>
<tr>
<td>2. Originality</td>
<td>Act 1 ____ + Act 2 __ + Bonus ___ + Act 3 ____ + Bonus ___ = _______</td>
<td></td>
</tr>
<tr>
<td>3. Abstractness of Ideas</td>
<td>Act 1 ______ + Act 2 ______ = _______</td>
<td></td>
</tr>
</tbody>
</table>

4. Elaboration (Circle appropriate number 1-6 for A or B)

<table>
<thead>
<tr>
<th></th>
<th>Act 1</th>
<th>Act 2</th>
<th>Act 3</th>
<th>Act 1</th>
<th>Act 2</th>
<th>Act 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1(0 5)</td>
<td>2(10 8)</td>
<td>1(0 7)</td>
<td>1(0 5)</td>
<td>2(10 8)</td>
<td>1(0 7)</td>
</tr>
<tr>
<td></td>
<td>2(15 12)</td>
<td>2(15 12)</td>
<td>2(15 12)</td>
<td>2(15 12)</td>
<td>2(15 12)</td>
<td>2(15 12)</td>
</tr>
<tr>
<td></td>
<td>3(13 19)</td>
<td>3(18 28)</td>
<td>3(17 27)</td>
<td>3(14 21)</td>
<td>3(20 29)</td>
<td>3(25 34)</td>
</tr>
<tr>
<td></td>
<td>4(20 26)</td>
<td>4(20 26)</td>
<td>4(20 26)</td>
<td>4(20 26)</td>
<td>4(20 26)</td>
<td>4(20 26)</td>
</tr>
<tr>
<td></td>
<td>5(27 33)</td>
<td>5(40 50)</td>
<td>5(38 47)</td>
<td>5(30 37)</td>
<td>5(40 50)</td>
<td>5(45 54)</td>
</tr>
<tr>
<td></td>
<td>6(34+)</td>
<td>6(51+)</td>
<td>6(48+)</td>
<td>6(38+)</td>
<td>6(50+)</td>
<td>6(55+)</td>
</tr>
</tbody>
</table>

5. Resistance to Premature Closure | Act 2 ______ |

<table>
<thead>
<tr>
<th>TOTAL</th>
<th>MEAN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Activity 1. PICTURE CONSTRUCTION

Instruction for Activity-1

On the opposite page is a curved shape. Think of a picture or an object which you can draw with this shape as a part. Try to think of a picture that no one else will think of. Keep adding new ideas to your first idea to make it tell as interesting and as exciting a story as you can. When you have completed your picture, think up a name or title for it and write it at the bottom of the page in the space provided. Make your title as clever and unusual as possible. Use it to help tell your story.
Activity 2. PICTURE COMPLETION

Instruction for Activity-2

By adding lines to the incomplete figures on this and the next page, you can sketch some interesting objects or pictures. Again, try to think of some picture or object that no one else will think of. Try to make it tell as complete and as interesting a story as you can by adding to and building up your first idea. Make up an interesting title for each of your drawings and write it at the bottom of each block next to the number of the figure.

কার্য-২ (সাফল্যের উদাহরণ)

এই পৃষ্ঠা ও তার পৃথকীকৃত পৃষ্ঠায় দেয়া অসম্পূর্ণ ছবিয়ের সাথে রেখা যোগ করে কিছু চমকক্ষ ও মজার তিলিক অন্ধা ছবি আক। তোমার আকার ছবিগুলো একসাথে আকার দেব যা নয়ন তার দৃষ্টির ভিত্তি। তোমার প্রথম চিত্রাতার সাথে অন্যতম চিত্রাতার যোগ করে প্রত্যেকটি আকার যার অর্থ একটি সম্পূর্ণ ও চিত্রাতার্কিক গম্ভীর করা যায়। সেক্ষেত্রে মিলিত করে (ছবির সম্পর্কের পাশে) তোমার ছবিতে একটি সুদৃশ্য বাম দাঁড়।
Activity 3.CIRCLE
Instruction for Activity 3
In ten minutes see how many objects or pictures you can make from the circle below and on the next page. The circle should be the main part of whatever you make. With pencil add lines to the circle to complete your picture. You can place mark inside the circle, outside the circle, or both inside and outside the circle where ever you want to in order to make your picture. Try to think of thing that no one else will think of. Make as many different pictures or object as you can and put as many ideas as you can in each one. Make them tell as complete and as interesting story as you can, add names or titles below the object. All right go ahead you have ten minutes.

কাজ-৩ (চুড়া)
দশ মিনিট সময়ে হীরের ও পান্তকচী পৃষ্ঠায় চূড়াগুলোর সাহায্যে চূড়াগুলো ছবি তৈরী করে দেব যেতে হবে যা চূড়া চূড়ায় মূল অংশ হিসেবে পরিণত হয়। পেশিদল অন্যা কেয়ের সাহায্যে চূড়াগুলোর সাথে লাইব্রের যোগ করে ছবিগুলো তৈরী হবে। চূড়া চূড়ার তিনটি, বাইরে অথবা তিনটির বাইরে চূড়া তিনটি দিকে দশ মিনিটে ছবিগুলো তৈরী করে। স্তোত্র ছবিগুলো অন্য স্তোত্র ছবি থেকে বয়স্ত স্তোত্র বিষয় এবং সেদিনের সাথে বিভিন্ন চিত্রায়ণ যোগ কর। ছবিগুলো নিয়ে দেব সম্পূর্ণ ও মজার গলা তৈরী হয়। হীরের মিনিট ছবির নাম দেব।