COURSE CODE: PSY 410

COURSE TITLE: TESTS AND MEASUREMENT.

EXAM VENUE: STREME: (BED )

DATE: EXAM SESSION: DECEMBER 2016

TIME: 2 HOURS

Instructions:

1. Answer Question ONE (COMPULSORY) and ANY other 2 questions
2. Candidates are advised not to write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.
QUESTION 1

In Kisii High School, the marks for an English Examination are as shown below;

<table>
<thead>
<tr>
<th>Class</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>40-44</td>
<td>5</td>
</tr>
<tr>
<td>45-49</td>
<td>5</td>
</tr>
<tr>
<td>50-54</td>
<td>7</td>
</tr>
<tr>
<td>55-59</td>
<td>6</td>
</tr>
<tr>
<td>60-64</td>
<td>13</td>
</tr>
<tr>
<td>65-69</td>
<td>3</td>
</tr>
<tr>
<td>70-74</td>
<td>5</td>
</tr>
<tr>
<td>75-79</td>
<td>3</td>
</tr>
<tr>
<td>80-84</td>
<td>3</td>
</tr>
</tbody>
</table>

i) Calculate the;
   a) Mode (2 mks)
   b) Mean (5 mks)
   c) Median (5 mks)

ii) Give a brief description of the result (5 mks)

iii) In a class of 45 students, 30 students got a question correctly. Calculate the difficulty index. Discuss your result. (3 mks)

iv) a) Define reliability (2 mks)
    b) Briefly discuss four factors influencing reliability (8 mks)

QUESTION 2

a) Discuss the importance of tests in schools (10 mks)

b) Discuss the characteristics of a good test (10 mks)

QUESTION 3

a) Differentiate between criterion and norm referenced testing (10 mks)

b) Discuss the uses of tests in an education system (10 mks)

QUESTION 4

a) Discuss the educational objectives according to Bloom’s taxonomy (10 mks)

b) Describe a normal distribution with the help of a diagram. (10 mks)
QUESTION 5

The following were marks scored in English test by 40 pupils

<table>
<thead>
<tr>
<th>Marks</th>
<th>0-9</th>
<th>10-19</th>
<th>20-29</th>
<th>30-39</th>
<th>40-49</th>
<th>50-59</th>
<th>60-69</th>
<th>70-79</th>
<th>80-89</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>2</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>11</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

Calculate the

i) Standard deviation (10 mks)

ii) Variance (5 mks)

iii) Briefly explain your answer (5 mks)