



ASSESSMENT OF DIFFERENTIAL ITEM FUNCTIONING IN SOCIAL STUDIES MULTIPLE CHOICE QUESTIONS IN BASIC EDUCATION CERTIFICATE EXAMINATION

Patrick U. Osadebe¹ⁱ,

Bright Agbure²

¹PhD, Department of Guidance and Counselling,
Delta State University Abraka,
Nigeria

orcid.org/0000-0002-6365-4285

²Delta State University Abraka,
Nigeria

Abstract:

The study examined Differential Item Functioning in Social Studies multiple choice questions in Basic Education Certificate Examination. Five research questions and five hypotheses guided the study. An ex-post facto research design was adopted. The population of this study consisted of all Junior Secondary class three students in Delta central senatorial district. The proportionate stratified random sampling technique was employed. The instruments used for collecting data were the 2014 BECE Social Studies multiple choice questions and socio-economic status whose validity and reliability was ensured. Data were analyzed using SPSS and WINSTEPS. Descriptive statistics was used to answer the research questions while Independence Chi-square test was used to test the hypotheses. The finding revealed that there is incidence of gender, location, socio-economic, school type and school ownership differential functioning in 2014 BECE Social Studies multiple choice test. It was recommended that examination bodies should be mindful of the disparities that exist between gender, location, socio-economic status, school type and school ownership. Some recommendations were made.

Keywords: assessment, DIF, gender, location, school ownership.

1. Introduction

Over the years test has been used to analyse the academic performance of students. Educational institutions have used test on students' performance to examine how well they compare to other students. In educational system, test conducted are expected to

ⁱ Correspondence: email drosadebeuzo@gmail.com

establish the characteristics of examinees. In Nigeria there exist a number of national examination bodies who are responsible for conducting test for various reasons such as promotion, selection, placement among others. The examination bodies cater for candidates of various backgrounds in Nigeria, hence for personal and environment reasons, these examinations are differently toned (Emaikwa, 2012). As a result of this, there are some instances where an item in these examinations could be more difficult for a particular group of examinees who are on the same ability level but from different subgroups to perform differently, such item can be said to be showing differential item functioning (DIF). Ability is the quality of being able to do something. Hence, the recorded level of accomplishment an individual reaches is referred to as ability level. There is perhaps, no issue more visible among national examinations conducted in a heterogeneous country like Nigeria than differential item functioning (DIF). The problem that necessitated this study centres around the effect of a test differentially functioning.

Differential item functioning can simply be said to occur when test takers from different groups that have been matched on ability levels are performing differently in test items. The effect is that some examinees will be doing well while some will not be doing well. This has created the problem of equal opportunity among the examinees. According to the Federal Government of Nigeria (FGN) (2004) in the national policy on education which states that every Nigerian child shall have a right to equal educational opportunities irrespective of any real or imagined disabilities each according to his or her ability and there shall be the provision of equal access to educational opportunities for all citizens of the country at the primary level, secondary level, and tertiary levels both inside and outside the formal school system. The problem of testing not providing equal opportunity for examinees has been created as a result of the test items functioning differentially. There is no question that education is a key ingredient in improving the lives of children, families, communities and nations. When some examinees are failing while some are passing as a result of the difficulty posed by the test, it has distorted the chance of those who failed to be promoted. This has proved the notion of how DIF could be harmful and dangerous.

There is also the problem of class differentiation. Class differentiation in this context deals with dividing people in the society into groups such that they have certain economic or/and social characteristics in common. The focus of education is to bridge the gap of classes. This could lead to the purpose of education being defeated as a result of the threat being posed by the effect of DIF. The presence of DIF as also led to differential drop out in schools, since the test items are proving difficult to the examinees thereby causing failure not because of their ability to answer the items correctly but because of the unfairness of the test, it has results to many withdrawing out of school. According to Odili (2010) He revealed that interest in analysis of differential item functioning in test derives from the consideration that education is perceived as instrument for achieving egalitarianism among persons. In achieving these demands test items should measure traits which are taught in school subjects and not those that are alien to it. Examinees are failing as a result of the test unfairness and not because of their ability to answer the test

correctly, thereby leading to drop out. The consequence of school dropouts has led to increase in crimes and vices in the society. According to the Bureau of Labour statistics, high school dropouts are having a harder time finding and keeping jobs than individuals with higher levels of education. In fact, the national unemployment rate for high school dropouts in July 2009 was 15.4 percent compared to 9.4 percent for high school graduates. This statistic tends to show the effect of a test differentially functioning and as a result of not providing equal opportunity for students, increased class differentiation, differential drop out leading to different crimes and vices by the students who are not in school. The implication of this is that items in the test should be fair to all subgroups in the population. There should be nothing in the test items that would make the items to favour one group above the other group that are of equal ability level.

Atar (2006) explained that it is critical that test items do not differentiate among examinees based on their gender, race, and ethnic background but rather differentiate between them based on their abilities. A fair test is one that is comparably valid for all groups and individuals and that affords all examinees an equally opportunity to demonstrate the skills and which are relevant to the test purpose. The presence of large number of items with DIF is a serious threat to the validity of a test and any inference made from such test scores may not be valid.

There are two types of DIF, which are Uniform and non-uniform DIF. Uniform DIF is said to occur when differences in correct response probability are found across all ability levels for a particular item. Non-uniform DIF on the other hand occurs when there is interaction between the ability and group membership such that an item may seem difficult for those at the higher level in one group and after a particular point, it becomes more difficult for those at lower level in the other group. Odili (2003) identified some of the sources of systematic error, which could lead to detection of DIF in a test to be test wiseness, culture, language ability.

Gender refers to specific central patterns attributed to both males and females in terms of behaviour and mechanism (Okoro, 2011). It is the psychological and socio-cultural interpretation of male and female. Gender is the socio-cultural interpretation of male and female based on their expected role, contributions and assigned duties (Ija, 2009). The literature review about gender and differential item functioning conducted nationally have revealed that test items contained differential item functioning whether the test is meant for classification, admission, recruitment, or placement purposes (Abiam & Odok, 2006).

According to Alordiah (2015) socio-economic status (SES) is the way people are divided into groups in a society such that they may have certain economic or/and social characteristics in common. Socio-economic status of a family is usually linked with the family's income, parents' educational level, parents' occupation, and social status (Okafor, 2007). Socio-economic status of parents is said to be related to high expectation. The location (urban/rural) which a child finds himself/ herself goes a long way to determine one's academic achievement than those from poor location (Ndifon, Umoinyang & Idiku, 2013). Urban areas are well equipped with learning facilities,

qualified teachers, good roads and good communication networks which puts them at advantage position when compared to their rural counterparts where such opportunities are inadequate or somehow lacking. Iyang (1991) investigated items in the 1986 common Entrance Examination Mathematics items do exhibits location DIF.

The type of school a student attends (single-sex school or mixed-sex school) could to a large extent, influence one's academic performance. Single-sex school refers mostly generally to education at the elementary, secondary, or post- secondary level in which males or females attend school exclusively with members of their own sex. Mixed-sex school on the other hand refers generally to education in which both male and female attend.

School ownership comprises public and private owned schools. Public schools are owned and founded by government while private schools are owned and founded by individuals or organizations. Research has shown that private schools do perform better than their public counterparts. This study will, therefore, contribute meaningfully to address the issue posed by differential item functioning to ensure the balance of content reflecting the intent ability of candidate in Basic Education Certificate Examination (BECE).

2. Research Questions

The following questions guided the study:

- 1) What is the incidence of DIF for male and female students in Social Studies multiple choice test used in BECE in Delta State in 2014?
- 2) What is the incidence of DIF for urban and rural students in social studies multiple choice test used in BECE in Delta State in 2014?
- 3) What is the incidence of DIF for students with high and low socio-economic status in Social Studies multiple choice test in BECE in Delta State in 2014?
- 4) What is the incidence of DIF for students in single-sex and mixed-sex schools in Social Studies multiple choice test in BECE in Delta State in 2014?
- 5) What is the incidence of DIF for students in public and private schools in Social Studies multiple choice test in BECE in Delta State in 2014?

2.1 Hypotheses

The following hypotheses were formulated;

- 1) The number of items that function significantly different for male and female students is not significantly different from the number that did not differentially function.
- 2) The number of items that function significantly different for urban and rural students is not significantly different from the number that did not differentially function.

- 3) The number of items that function significantly different for high and low socio-economic status students is not significantly different from the number that did not differentially function.
- 4) The number of items that function significantly different for students in single-sex and mixed-sex schools is not significantly different from the number that did not differentially function.
- 5) The number of items that function significantly different for students in public and private schools is not significantly different from the number that did not differentially function.

3. Method

This study adopts ex-post-facto correlation design. This is because the data was gathered after the events of interest have occurred. The independent variables cannot be manipulated. It was used also to collect data that enabled the researcher to determine the incidence of Differential Item Functioning in Delta State Ministry of Education, Basic Education Certificate Examination Social Studies multiple choice tests. The population of this study comprises the entire junior secondary school three (JS3) students in all 8 local government areas of Delta Central Senatorial Districts. This population was chosen because they must have covered the syllabuses. There are 179 junior secondary schools in Delta central senatorial district with a population of 22,467 junior secondary school three students at the time of this study (Ministry of Education, Primary and secondary, Asaba). Of this number 13481 are students in the urban areas while 8986 are students in the rural areas.

The sample size of this study is five hundred (500) students of the population who are JS3 students from schools in Delta Central Senatorial District. A proportionate stratified random sampling technique was adopted for the study. The population was stratified according to location (urban/rural). The junior secondary school students were randomly selected from schools in public and private schools in the Local Government Areas in Delta Central Senatorial District of Delta State. The instruments used for data collection are 2014 BECE Social Studies multiple choice test and Socio-Economic Status Questionnaire. The 2014 BECE Social Studies multiple choice test contains 60 choice type questions, which cover the JSSCE Social Studies syllabus of Junior Secondary Schools in Delta State. The Socio-Economic Status questionnaire has 20 items on a 4-point scale, Strongly Agree (SA), Agree (A), Disagree (D) and Strongly Disagree (SD).

In order to ensure the validity of the instruments, the 2014 BECE Social Studies multiple choice test items were examined to see whether they cover the Social Studies syllabus for JS3 and it was found to be so. Content validity for the Socio-economic Status questionnaire was established by ensuring that the yardstick for classification of individuals into high and low Socio-economic Status. To ensure further content and face validity, the SES questionnaire was given to the researcher's supervisor and two experts

in the Department of Guidance and Counselling for, opinion, comments, recommendations, and modification.

The BECE Social studies 2014 multiple choice test was administered to forty (40) JS III students in order to ensure reliability. Their responses were scored and analysed using Kuder-Richardson formula 20. A value of 0.82 was obtained, thus, making it suitable for the study. The reliability for SES questionnaire was established using Cronbach Alpha. A value of 0.68 was obtained.

The BECE social studies multiple choice test for 2014 was used to collect data from the sample students. Social studies teachers in the schools visited assisted the researcher in the administration of the 2014 BECE Social studies test. The test was administered within the time limit specified by the examination body. The correct response for each item was assigned 1, while the incorrect response was assigned 0. The SES questionnaire has 4-point scale, Strongly Agree (SA), Agree (A), Disagree (D) and Strongly Disagree (SD). The maximum score of the SES questionnaire is 80 while the minimum is 20 if all the items are responded to. The student with 41 and above was grouped as high SES while student with 40 and below was group as low SES. The method used for analyzing the data is Rasch model. The technique was used to answer the research questions and Independence Chi-square was used to test the hypotheses using SPSS and WINSTEPS statistical package at 0.05 levels of significance.

4. Results

Research Question One: What is the incidence of DIF for male and female students in Social Studies multiple-choice test used in BECE in Delta State in 2014.

Table 1: Rasch Model DIF Statistics for Gender

Items	Bm	Bf	Δb	Probability	DIF Incidence	Favoured group
1	-2.78	-2.55	-0.22	0.57	1	F
2	-2.63	-2.01	-0.62	0.69	1	F
3	0.56	0.27	0.29	0.14	1	M
4	1.02	1.28	-0.26	0.20	1	F
5	0.78	1.26	-0.47	0.02	2	F
6	-1.92	-1.47	-0.45	0.11	1	F
7	-0.97	-0.52	-0.46	0.04	2	F
8	1.00	1.26	-0.26	0.20	1	F
9	0.88	0.32	0.55	0.01	2	M
10	-1.46	-1.87	0.41	0.14	1	M
11	-0.61	-0.38	-0.22	0.29	1	F
12	1.14	1.45	-0.32	0.13	1	F
13	-1.10	-1.37	0.27	0.26	1	M
14	0.81	0.81	0.00	1.00	1	M
15	0.41	-0.03	0.44	0.03	2	M
16	0.01	0.25	-0.23	0.24	1	F
17	0.82	1.15	-0.33	0.10	1	F
18	-0.72	-0.65	-0.06	0.78	1	F

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19	0.05	-0.01	0.06	0.76	1	M
20	0.25	-0.21	0.47	0.02	2	M
21	-2.05	-1.92	-0.13	0.66	1	F
22	-1.84	-1.74	-0.10	0.72	1	F
23	-1.20	-1.58	0.38	0.14	1	M
24	1.12	0.67	0.44	0.03	2	M
25	2.24	1.92	0.32	0.19	1	M
26	0.81	0.81	0.00	1.00	1	M
27	-1.20	-1.74	0.54	0.04	2	M
28	1.30	1.41	-0.11	0.61	1	F
29	-0.16	-0.36	0.20	0.32	1	M
30	-1.43	-1.82	0.39	0.15	1	M
31	0.84	0.95	-0.11	0.59	1	F
32	1.15	1.15	0.00	1.00	1	M
33	-0.32	-0.07	-0.12	0.22	1	F
34	0.63	0.63	0.00	1.00	1	M
35	1.64	1.76	-0.12	0.58	1	F
36	0.13	0.21	-0.08	0.68	1	F
37	-1.02	-1.15	0.13	0.57	1	M
38	0.18	-0.01	0.19	0.33	1	M
39	1.52	1.52	0.00	1.00	1	M
40	-0.83	-0.78	-0.05	0.81	1	F
41	1.81	1.52	0.29	0.19	1	M
42	0.09	0.23	-0.14	0.48	1	F
43	-1.34	-0.83	-0.52	0.03	2	F
44	-1.15	-1.09	-0.06	0.81	1	F
45	-0.02	-0.02	0.00	1.00	1	M
46	0.94	0.94	0.00	1.00	1	M
47	0.09	0.21	-0.12	0.55	1	F
48	-0.74	-0.74	0.00	1.00	1	M
49	2.37	2.11	0.25	0.31	1	M
50	1.61	1.52	0.09	0.67	1	M
51	0.03	0.67	-0.64	0.00	2	F
52	1.66	2.05	-0.39	0.09	1	F
53	-0.47	-0.49	0.02	0.92	1	M
54	0.32	0.32	0.00	1.00	1	M
55	-1.02	-1.12	0.10	0.66	1	M
56	-1.18	-1.62	0.44	0.08	1	M
57	-0.16	-0.30	0.14	0.49	1	M
58	-0.44	-0.21	-0.22	0.27	1	F
59	0.54	0.36	0.17	0.37	1	M
60	-0.24	-0.47	0.23	0.25	1	M

Note: bm = measure for male, bf = measure for female, Δb = DIF contrast.

Table 1 shows the DIF statistics of the Rasch model method for each of the 60 items for gender. There is incidence of DIF if the probability is less than 0.05. There is incidence of DIF in 9 items at 0.05 levels of significance. That is 15% of the 2014 BECE Social Studies

multiple choice test items functioned differentially for male and female examinees. The DIF items are 5, 7, 9, 15, 20, 24, 27, 43 and 51.

Research Question Two: What is the incidence of DIF for Urban and Rural Students in Social Studies multiple Choice test used in BECE in Delta State in 2014?

Table 2: Rasch Model DIF statistics for Location

Item	Bu	br	Δb	Probability	DIF incidence	Favoured group
1	-2.34	-2.84	0.50	0.20	1	U
2	-2.55	-2.22	-0.33	0.40	1	R
3	1.05	-0.04	1.09	0.00	2	U
4	1.07	1.21	-0.13	0.51	1	R
5	0.88	1.13	-0.25	0.22	1	R
6	-1.46	-1.82	0.36	0.21	1	U
7	-0.29	-1.02	0.72	0.00	2	U
8	1.12	1.12	0.00	1.00	1	U
9	0.79	0.47	0.32	0.10	1	U
10	-1.51	-1.70	0.19	0.19	1	U
11	-0.62	-0.43	-0.20	0.38	1	R
12	1.40	1.19	0.22	0.29	1	U
13	-1.36	-1.16	-0.20	0.44	1	R
14	0.79	0.81	-0.02	0.17	1	R
15	0.03	0.30	-0.28	0.17	1	R
16	0.66	-0.23	0.89	0.00	2	U
17	1.52	0.56	0.95	0.00	2	U
18	-0.59	0.74	0.15	0.52	1	U
19	-0.21	0.16	-0.37	0.07	1	U
20	-0.21	0.18	-0.39	0.06	2	R
21	-1.80	-2.07	0.27	0.38	1	U
22	-2.16	-1.65	-0.51	0.12	1	R
23	-1.80	-1.20	-0.60	0.04	2	R
24	1.12	0.71	0.40	0.04	2	U
25	1.84	2.39	-0.54	0.03	2	R
26	0.55	1.03	-0.49	0.02	2	R
27	-1.68	-1.33	-0.35	0.22	1	R
28	1.25	1.46	-0.21	0.32	1	R
29	-0.38	-0.19	-0.19	0.36	1	R
30	-1.22	-1.82	0.60	0.03	2	U
31	1.16	0.68	0.48	0.01	2	U
32	1.03	1.27	-0.24	0.25	1	R
33	-0.24	-0.17	-0.07	0.74	1	R
34	-0.03	1.13	-1.15	0.00	2	R
35	1.58	1.83	-0.25	0.27	1	R
36	0.46	-0.03	0.48	0.01	2	U
37	-1.27	-1.00	-0.27	0.29	1	R
38	-0.08	0.19	-0.27	0.19	1	R
39	1.82	1.25	0.57	0.01	2	U
40	-0.47	-1.00	0.53	0.18	1	U

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41	1.94	1.39	0.55	0.01	2	U
42	-0.21	0.38	-0.59	0.00	2	R
43	-1.01	-1.12	0.10	0.67	1	U
44	-0.90	-1.24	0.34	0.16	1	U
45	-0.62	0.32	-0.94	0.00	2	R
46	0.88	1.00	-0.12	0.56	1	R
47	0.32	0.04	0.28	0.16	1	U
48	-1.05	-0.60	-0.46	0.06	2	R
49	2.32	2.13	0.19	0.46	1	U
50	1.61	1.53	0.08	0.72	1	U
51	0.55	0.21	0.34	0.86	1	U
52	2.66	1.19	1.47	0.00	2	U
53	-0.98	-2.23	-0.74	0.00	2	R
54	0.05	0.50	-0.45	0.03	2	R
55	-1.27	-0.98	-0.29	0.26	1	R
56	-2.01	-1.14	-0.87	0.01	2	R
57	-0.08	-0.31	0.24	0.25	1	U
58	-0.79	-0.09	-0.70	0.00	2	R
59	0.10	0.70	-0.60	0.00	2	R
60	-0.32	-0.35	0.02	0.91	1	U

Note: bu = measure of urban, br = measure of rural, Δb =DIF contrast.

Table 2 shows the DIF statistics of the Rasch model method for each of the 60 items for location. There is incidence of DIF if the probability is less than 0.05. There is incidence of DIF in 24 items at 0.05 levels of significance. That is 40% of the 2014 BECE Social Studies multiple choice test items functioned differentially for urban and rural examinees. The DIF items are 3, 7, 16, 17, 20, 23, 24, 25, 26, 30, 31, 34, 36, 39, 41, 42, 45, 48, 52, 54, 56, 58 and 59.

Research Question Three: What is the incidence of DIF for Students with high and low Socio-economic Status in Social Studies multiple choice test in BECE in Delta State in 2014?

Table 3: Rasch Model DIF Statistics for Socio-economic Status

Items	Bh	Bl	Δb	Probability	DIF incidence	Favoured group
1	-2.52	-2.79	0.27	0.48	1	H
2	-2.16	-0.43	0.26	0.44	1	H
3	0.60	0.26	0.34	0.08	1	H
4	0.93	1.35	-0.42	0.04	2	L
5	0.85	1.16	-0.32	0.12	1	L
6	-1.65	-1.73	0.08	0.76	1	H
7	-0.77	-0.74	-0.02	0.92	1	L
8	1.16	1.09	0.08	0.70	1	H
9	0.66	0.56	0.10	0.59	1	H
10	-1.52	-1.73	0.21	0.44	1	H
11	-0.49	-0.49	0.00	1.00	1	H
12	1.06	1.52	-0.46	0.03	2	L

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13	-1.26	-1.20	-0.06	0.80	1	L
14	0.81	0.81	0.00	1.00	1	H
15	0.27	0.14	0.13	0.52	1	H
16	0.41	-0.11	0.52	0.01	2	H
17	1.01	0.95	0.06	0.76	1	H
18	-0.71	-0.68	-0.03	0.90	1	L
19	0.05	0.00	0.05	0.79	1	H
20	-0.01	0.07	-0.08	0.68	1	L
21	-1.78	-2.14	0.36	0.23	1	H
22	-1.94	-1.70	-0.24	0.42	1	L
23	-1.40	-1.37	-0.03	0.89	1	L
24	1.30	0.56	0.74	0.00	2	H
25	2.00	2.14	-0.13	0.58	1	L
26	0.68	0.93	-0.25	0.20	1	L
27	-1.29	-1.55	0.25	0.32	1	H
28	1.25	1.45	-0.20	0.33	1	L
29	-0.31	-0.21	-0.09	0.64	1	L
30	-1.29	-1.87	0.58	0.03	2	H
31	1.04	0.77	0.27	0.18	1	H
32	1.23	1.09	0.14	0.48	1	H
33	-0.08	-0.29	0.21	0.31	1	H
34	0.27	0.95	-0.69	0.00	2	L
35	1.43	1.99	-0.56	0.01	2	L
36	0.35	0.02	0.33	0.09	1	H
37	-1.03	-1.12	0.10	0.68	1	H
38	0.14	0.05	0.09	0.66	1	H
39	1.52	1.52	0.00	1.00	1	H
40	-0.45	-1.10	0.65	0.00	2	H
41	1.62	1.71	-0.09	0.69	1	L
42	-0.04	0.31	-0.35	0.08	1	L
43	-1.00	-1.15	0.15	0.52	1	H
44	-0.94	-1.27	0.33	0.16	1	H
45	-0.19	0.12	-0.31	0.12	1	L
46	0.85	1.03	-0.18	0.36	1	L
47	0.39	-0.05	0.44	0.02	2	H
48	-0.97	-0.59	-0.38	0.09	1	L
49	2.18	2.30	-0.12	0.64	1	L
50	1.62	1.52	0.10	0.65	1	H
51	0.27	0.42	-0.15	0.44	1	L
52	1.98	1.73	0.25	0.28	1	H
53	-0.74	-0.29	-0.45	0.03	2	L
54	0.20	0.42	-0.21	0.28	1	L
55	-1.29	-0.92	-0.38	0.12	1	L
56	-1.44	-1.32	-0.12	0.64	1	L
57	-0.26	-0.20	-0.06	0.75	1	L
58	-0.33	-0.33	0.00	1.00	1	H
59	0.31	0.57	-0.27	0.18	1	L
60	-0.19	-0.47	0.28	0.17	1	H

Note: bh = measure of high SES, bl = measure of low SES, Δb =DIF contrast

Table 3 shows the DIF statistics of Rasch model method for each of the 60 items for Socio-Economic Status. There is incidence of DIF if the probability is less than 0.05. There is incidence of DIF in 10 items at 0.05 levels of Significance. That is 17% of the 2014 BECE Social Studies multiple choice test items functioned differentially for high and low Socio-Economic Status examinees. The DIF items are 4, 12, 16, 24, 30, 35, 40, 47, and 53.

Research Question Four: What is the Incidence of DIF for Students in Single-sex and Mixed-sex Schools in Social Studies multiple choice test in BECE in Delta State in 2014?

Table 4: Rasch Model DIF Statistics for School Type

Items	Bm	bs	Δb	Probability	DIF incidence	Favoured group
1	-2.67	-2.67	0.00	1.00	1	M
2	-2.19	-2.40	0.21	0.54	1	M
3	0.22	0.50	-0.28	0.18	1	S
4	1.63	0.99	0.64	0.01	2	M
5	1.04	1.01	0.03	0.90	1	M
6	-1.94	-1.56	-0.38	0.20	1	S
7	0.80	-0.71	-0.09	0.68	1	S
8	0.50	1.38	-0.89	0.00	2	S
9	0.86	0.50	0.36	0.10	1	M
10	-1.40	-1.80	0.40	0.15	1	M
11	-0.57	-0.46	-0.12	0.59	1	S
12	1.04	1.38	-0.34	0.13	1	S
13	-1.05	-1.33	0.28	0.26	1	M
14	1.08	0.72	0.36	0.11	1	M
15	0.44	0.09	0.35	0.10	1	M
16	-0.54	0.43	-0.97	0.00	2	S
17	0.50	1.18	-0.68	0.00	2	S
18	-0.61	-0.73	0.12	0.59	1	M
19	0.34	-0.13	0.47	0.03	2	M
20	-0.08	0.09	-0.17	0.42	1	S
21	-1.73	-2.17	0.44	0.14	1	M
22	-1.54	-1.97	0.44	0.13	1	M
23	-1.49	-1.31	-0.19	0.48	1	S
24	0.63	1.00	-0.37	0.08	1	S
25	1.95	2.11	-0.16	0.56	1	S
26	0.93	0.77	0.16	0.47	1	M
27	-1.36	-1.48	0.12	0.65	1	M
28	1.08	1.46	-0.38	0.10	1	S
29	-0.48	-0.15	-0.33	0.12	1	S
30	-1.73	-1.54	0.19	0.49	1	S
31	0.76	0.95	-0.19	0.39	1	S
32	1.73	0.97	0.75	0.00	2	M
33	0.10	-0.34	0.44	0.04	2	M
34	1.00	0.49	0.52	0.02	2	M
35	1.63	1.72	-0.10	0.70	1	S
36	-0.11	0.30	-0.41	0.05	1	S

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37	-1.49	-0.88	-0.61	0.02	2	S
38	0.09	0.09	0.00	1.00	1	M
39	0.97	1.74	-0.77	0.00	2	S
40	-0.94	-0.73	-0.21	0.36	1	S
41	1.31	1.79	-0.48	0.05	1	S
42	0.31	0.09	0.23	0.29	1	M
43	-1.12	-1.06	-0.07	0.79	1	S
44	-1.16	-1.12	-0.04	0.87	1	S
45	0.40	-0.22	0.62	0.00	2	M
46	0.94	0.94	0.00	1.00	1	M
47	0.28	0.09	0.19	0.36	1	M
48	-0.39	-0.96	0.57	0.01	2	M
49	2.07	2.28	-0.22	0.46	1	S
50	1.19	1.71	-0.52	0.03	2	S
51	0.35	0.35	0.00	1.00	1	M
52	0.69	2.39	-1.70	0.00	2	S
53	-0.11	-0.68	0.56	0.01	2	M
54	0.76	0.13	0.63	0.00	2	M
55	-0.80	-1.24	0.43	0.07	1	M
56	-1.09	-1.56	0.48	0.06	1	M
57	-0.11	-0.28	0.17	0.43	1	M
58	0.04	-0.52	0.56	0.01	2	M
59	0.53	0.42	0.11	0.60	1	M
60	-0.29	-0.38	0.08	0.71	1	M

Note: bm = measure for mixed-sex, bs = measure for single-sex, Δb = DIF contrast

Table 4 shows the DIF Statistics of the Rasch model method for each of the 60 items for school type. There is incidence of DIF if the probability is less than 0.05. There is incidence of DIF in 17 items at 0.05 levels of Significance. That is 28% of the 2014 BECE Social Studies multiple choice test items functioned differentially for single-sex and mixed-sex schools' examinees. The DIF items are 4, 8, 16, 17, 19, 32, 33, 34, 37, 39, 45, 48, 50, 52, 53, 54, and 58.

Research Question Five: What is the incidence of DIF for Students in public and private schools in Social Studies multiple choice test in BECE in Delta State in 2014?

Table 5: Rasch Model DIF Statistics for School Ownership

Items	Bpu	bpv	Δb	Probability	DIF incidence	Favoured group
1	-2.83	-2.67	-0.16	0.80	1	Pv
2	-1.93	-2.38	0.45	0.30	1	Pu
3	1.13	0.17	0.96	0.00	2	Pu
4	0.55	1.39	-0.84	0.00	2	Pv
5	0.70	1.13	-0.44	0.06	1	Pv
6	-1.78	-1.69	-0.09	0.82	1	Pv
7	-0.71	-0.74	0.03	0.90	1	Pu
8	1.49	0.93	0.52	0.02	2	Pu
9	0.81	0.53	0.27	0.22	1	Pu

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10	-1.33	-1.70	0.38	0.27	1	Pu
11	-0.36	-0.53	0.17	0.52	1	Pu
12	1.35	1.27	0.08	0.72	1	Pu
13	-0.91	-1.29	0.38	0.21	1	Pu
14	0.73	0.84	-0.11	0.63	1	Pv
15	0.23	0.20	0.04	0.87	1	Pu
16	0.81	-0.09	0.90	0.00	2	Pu
17	1.20	0.90	0.31	0.17	1	Pu
18	-0.65	-0.68	0.04	0.89	1	Pu
19	-0.26	0.10	-0.36	0.15	1	Pv
20	-0.07	0.06	0.13	0.59	1	Pv
21	-1.93	-1.89	0.05	0.90	1	Pu
22	-1.65	-1.82	0.17	0.66	1	Pu
23	-1.53	-1.34	-0.19	0.60	1	Pv
24	1.24	0.76	0.48	0.03	2	Pu
25	1.96	2.13	-0.17	0.50	1	Pv
26	0.92	0.78	0.14	0.53	1	Pu
27	-1.53	-1.43	-0.10	0.78	1	Pv
28	1.42	1.33	-0.09	0.68	1	Pu
29	-0.31	-0.25	-0.06	0.82	1	Pv
30	-1.33	-1.66	0.34	0.33	1	Pu
31	1.35	0.73	0.62	0.01	2	Pu
32	1.02	1.21	-0.18	0.42	1	Pv
33	-0.42	-0.14	-0.28	0.28	1	Pv
34	-0.12	0.87	-0.99	0.00	2	Pv
35	1.72	1.70	0.02	0.93	1	Pu
36	0.73	-0.01	0.74	0.00	2	Pu
37	-1.33	-1.04	-0.29	0.39	1	Pv
38	-0.16	0.16	-0.32	0.19	1	Pv
39	1.76	1.42	0.34	0.15	1	Pu
40	-0.42	-0.90	0.48	0.07	1	Pu
41	2.17	1.45	0.72	0.00	2	Pu
42	-0.31	0.28	-0.59	0.02	2	Pv
43	-1.15	-1.08	-0.06	0.84	1	Pv
44	-1.15	-1.12	-0.02	0.94	1	Pv
45	-0.77	0.16	-0.93	0.00	2	Pv
46	0.81	0.99	-0.18	0.41	1	Pv
47	0.06	0.17	-0.11	0.65	1	Pv
48	-1.65	-0.60	-1.05	0.00	2	Pv
49	2.08	2.32	-0.24	0.37	1	Pv
50	1.92	1.42	0.50	0.04	2	Pu
51	0.19	0.40	-0.20	0.38	1	Pv
52	2.66	1.53	1.12	0.00	2	Pu
53	-0.84	-0.40	-0.44	0.12	1	Pv
54	0.02	0.41	-0.39	0.11	1	Pv
55	-2.29	-0.91	-1.38	0.00	2	Pv
56	-2.53	-1.24	-1.24	0.02	2	Pv
57	-0.36	-0.19	-0.19	0.50	1	Pv
58	-1.06	-0.18	-0.89	0.00	2	Pv

59	0.02	0.58	-0.56	0.02	2	Pv
60	0.02	-0.45	0.47	0.05	1	Pu

Note: bpu = measure for public, bpv = measure for private, Δb = DIF contrast

Table 5 shows the DIF statistics of the Rasch model method for each of the 60 items for school ownership. There is incidence of DIF if the probability is less than 0.05. There is incidence of DIF in 18 items at 0.05 levels of Significance. That is 30% of the 2014 BECE Social Studies multiple choice test items functioned differentially for public and private examinees. The DIF items are 3, 4, 8, 16, 24, 31, 34, 36, 41, 42, 45, 48, 50, 52, 55, 56, 58, and 59.

Hypothesis One: The number of items that function significantly different for male and female students is not significantly different from the number that did not differentially function.

Table 6: Chi-square Statistics for Gender DIF

Gender	DIF-Gender		Total	X^2	Df	sig	Decision
	Non DIF Items	DIF Items					
Male	28	5	33	0.10	1	0.97	Not significant
Female	23	4	27				
Total	51	9	60				

Table 6 shows a chi-square value of 0.10 and a P-value of 0.97. Testing at an alpha level of 0.05, the p-value is greater than the alpha level. Hence, the null hypothesis is accepted. Consequently, the number of items that function significantly different for male and female students is not significantly different from the number that did not differentially function.

Hypothesis Two: The number of items that function significantly different for urban and students is not significantly different from the number that did not differentially function.

Table 7: Chi-square Statistics for Location DIF

Location	DIF-Location		Total	X^2	Df	Sig	Decision
	Non DIF Items	DIF Items					
Urban	18	11	29	0.19	1	0.75	Not significant
Rural	18	13	31				
Total	36	24	60				

Table 7 shows a chi-square value of 0.19 and a p-value of 0.75. Testing at an alpha level of 0.05, the p-value is greater than the alpha level. Hence, the null hypothesis is accepted. Consequently, the number of items that function significantly different for urban and rural students is not significantly different from the number that did not differentially function.

Hypothesis 3: The number of items that function significantly different for high and low socio-economic status students is not significantly different from the number that did not differentially function.

Table 8: Chi-square Statistics for SES DIF

SES	DIF-SES		Total	X ²	Df	Sig	Decision
	Non DIF Items	DIF Items					
High	27	5	32	0.15	1	0.82	Not significant
Low	23	5	28				
Total	50	10	60				

Table 8 shows a chi-square value of 0.15 and a p-value of 0.82. Testing at an alpha level of 0.05, the p-value is greater than the alpha level. Hence, the null hypothesis is accepted. Consequently, the number of items that function significantly different for high and low socio-economic status students is not significantly different from the number that did not differentially function.

Hypothesis 4: The number of items that function significantly different for students in Single-sex and Mixed-sex schools is not significantly different from the number that did not differentially function.

Table 9: Chi-square Statistics for School Type DIF

School Type	DIF- School Type		Total	X ²	Df	sig	Decision
	Non DIF Items	DIF Items					
Mixed	23	10	33	2.14	1	0.71	Not significant
Single	20	7	27				
Total	43	17	60				

Table 9 shows a chi-square value of 2.14 and a p-value of 0.71. Testing at an alpha level of 0.05, the p-value is greater than the alpha level. Hence, the null hypothesis is accepted. Therefore, the number of items that function significantly different for students in single-sex school and mixed-sex schools is not significantly different from the number that did not differentially function.

Hypothesis 5: The number of items that function significantly different for students in public and private schools is not significantly different from the number that did not differentially function.

Table 10: Chi-square Statistics for School Ownership DIF

School Ownership	DIF- School Ownership		Total	X ²	Df	sig	Decision
	Non DIF Items	DIF Items					
Public	19	9	8	0.12	1	0.74	Not significant
Private	23	9	32				
Total	42	18	60				

Table 10 shows a chi-square value of 0.12 and a p-value of 0.74. Testing at an alpha level of 0.05, the p-value is greater than the alpha value. Hence, the null hypothesis is accepted. Therefore, the number of items that function significantly different for students in public and private schools was not significantly different from the number that did not differentially function.

4. Discussion

Incidence of Differential item functioning in BECE Social Studies multiple choice test. The analysis of the student's response to Social Studies multiple choice test used in BECE in 2014 revealed that there is incidence of DIF in 9 items. This implies that BECE 2014 social studies multiple choice test items function differentially for male and female students. The finding of this study is in line with research study by Abedalaziz (2010) who reported incidence of gender DIF in mathematics. Also, Odili (2003) revealed that there was evidence of gender DIF in WAEC/SSCE Biology paper 2 for 1999, 2000 and 2001.

The result of the students' responses to 2014 BECE Social Studies multiple choice test shows that there is incidence of location DIF in 24 items. That is 40% of the 2014 BECE Social Studies multiple choice items functioned differentially for urban and rural examinees. This finding is in consonance with the result of the study carried out by Odili (2003). Consequently, Umoinyang (1991) analysed Mathematics multiple choice test used by West African Examination Council (WAEC) in the 1990 General Certificate Examination (GCE). His study revealed 29 items that differentially function in favour of candidates from educationally advantaged area.

Also, the analysis of the students' response to social studies multiple choice test used in BECE in 2014 revealed that there is incidence of Socio-economic Status DIF in 17 items. That is 17% of the items functioned differentially for high and low Socio-economic status examinees. The result corroborates with the findings of Alordiah (2015). Also, Odili (2003) showed evidence of the presence of SES differential item functioning items in WAEC/SSCE Biology paper 2 for 1999 and 2001.

The result of the students' response to 2014 BECE Social Studies multiple-choice test also shows that there is incidence of School type DIF in 28 items of the 2014 BECE Social Studies multiple choice test for Single-sex and mixed-sex schools' examinees. This result agrees with Pahlke, Hyde and Allison (2014) who published a meta-analysis comparing achievement and attitudes in single-sex versus mixed sex schools. The study concluded that there is a little evidence of an advantage of single-sex schooling for boys or girls. This finding, however, is in conflict with Cornelius (2015) revealing that there is no advantage to single-sex school or mixed-sex schools.

Consequently, the analysis of the students' response to 2014 BECE Social Studies multiple choice test items revealed the incidence of school ownership DIF in 18 items of the 2014 BECE Social Studies multiple choice test for public and private schools' examinees. That is 30% of the 2014 BECE social studies multiple choice test items functioned differentially for school ownership. This finding is in line with Ogbebor and

Onuka (2013) in a study titled differential item functioning method as an item bias indicator. They revealed that the items in relation to private and public school using logistic regression method. Out of 60 items in NECO Economics questions, DIF was present in 10 items.

5. Conclusion

The study investigated differential item functioning in Social Studies multiple choice questions in Basic Education Certificate Examination in Delta State. Based on the findings there are incidence of gender, location, socio-economic, school type and school ownership differential item functioning in 2014 BECE Social Studies multiple choice questions. The study concluded that differential item functioning exists in 2014 Basic Education Certificate Examination in Delta State.

6. Recommendations

Based on the findings the study, the researchers made the following recommendations:

- 1) Examination bodies should be mindful of the disparities that exist between gender, location, socio-economic status, school type and school ownership.
- 2) Governments should set up a review panel national/state wide examinations to review DIF items.
- 3) Test developers should write social studies test items that would not favour one group against the other. They should be sensitive to the heterogeneous nature of Nigeria.
- 4) BECE should analyze students' responses to test items for differential functioning before administration on examinees.
- 5) Test developers should be trained and retrained on how to identify DIF items and how to write DIF- items.

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Appendix

Basic Education Certificate Examination general Social Studies multiple-choice test 2014 as used for the study.

Class: JS3

Time: 50 minutes

Instruction: Answer all questions, identify the correct option lettered A-D for each question.

Please indicate by ticking [] in the box provided as applicable to you.

Sex: Male [] Female []

Name of school:

Location of school: Urban [] Rural []

Social-Economic status of parents: High class [] Low class[]

School type: Single-sex school [] Mixed school []

School ownership: Public school [] Private School []

1. ... is a state of calm, quite, harmony and friendship.

- (a) anarchy;
- (b) conflict;
- (c) peace;
- (d) piece;
- (e) violence.

2. Conflict can be resolved through one of the following means ...

- (a) dialogue;
- (b) fighting;
- (c) killing;
- (d) quarrelling;
- (e) shooting.

3. When people sit together at a round table to find ways of resolving conflicts is called ...

- (a) accommodation;
- (b) bargaining;
- (c) collaboration;
- (d) compromise;
- (e) dialogue.

4. Laws made to persecute traffickers are made by ...

- (a) executive;

- (b) judiciary;
 - (c) legislatures;
 - (d) president;
 - (e) principals.
5. ... are more involved in human trafficking.
- (a) business men;
 - (b) doctor;
 - (c) lawyers;
 - (d) men;
 - (e) women.
6. The process of learning whereby a child acquires cultural values and beliefs is called....
- (a) civilization;
 - (b) democracy;
 - (c) indoctrination;
 - (d) mobilization;
 - (e) socialization.
7. One of these is not an agent of socialization.
- (a) church;
 - (b) community;
 - (c) family;
 - (d) mass media;
 - (e) road safety.
8. One of these is NOT a sexually transmitted disease
- (a) HIV/AIDS;
 - (b) blood transfusion;
 - (c) gonorrhoea;
 - (d) syphilis;
 - (e) venereal disease.
9. "NGO" means ...
- (a) non governmental organization;
 - (b) non girls organization;
 - (c) no go over;
 - (d) Nigeria government orientation;
 - (e) national guide organisation.
10. Early marriage in girls is also known as ...
- (a) Child's care;

- (b) child abuse;
- (c) girl's empowerment;
- (d) girl's guide;
- (e) widowhood.

11. All these are problems of prostitution EXCEPT ...

- (a) disease;
- (b) educational deprivation;
- (c) integrity;
- (d) untimely death;
- (e) weakness of the body.

12. is one of the first country, human trafficking started

- (a) America;
- (b) Britain;
- (c) Ghana;
- (d) Italy;
- (e) Nigeria.

13. A person who is a legal member of a country is called ...

- (a) alien;
- (b) citizen;
- (c) nationalist;
- (d) patriot;
- (e) resident.

14. Research method of teaching social studies refers to using the students to ...

- (a) investigate facts;
- (b) mould things;
- (c) practice lessons;
- (d) use projects to assess;
- (e) use teaching aids.

15. A situation where there is no disturbance, violent or breakdown of laws and order is referred to as ...

- (a) bad environment;
- (b) conflict;
- (c) cooperation;
- (d) good community;
- (e) peace.

16. The administration headquarters of the Economic Community of West Africa State (ECOWAS) is located in ...

- (a) Abuja;
- (b) Accra;
- (c) Cotonou;
- (d) Lagos;
- (e) Niamey.

17. The first passenger plane landed in Asaba International Airport on the ...

- (a) July 13th, 2011;
- (b) August 13, 2011;
- (c) Sept. 13th, 2011;
- (d) Nov. 13th, 2011;
- (e) Dec. 13th, 2011.

18. A religious set that is a threat to nation's peace is called ...

- (a) Boko Haram;
- (b) Buddhism;
- (c) Christianity;
- (d) Hinduism;
- (e) Religion.

19. Which one is NOT part of what living together in family entails?

- (a) cooperation;
- (b) neglect;
- (c) protection;
- (d) sacrifice;
- (e) understanding.

20. People marry to preserve their ...

- (a) companion;
- (b) culture;
- (c) disagreement;
- (d) group;
- (e) taboo.

21. When people are not ready for marriage before going into it, this leads to ...

- (a) broken homes;
- (b) good conduct;
- (c) happy homes;
- (d) maturity;
- (e) nuclear family.

22. Social studies is taught in schools to make students ...

- (a) bully their classmate;
- (b) clever criminal;
- (c) good nation builders;
- (d) rude to their teachers;
- (e) selfish citizens.

23. One of good family reputation is for ...

- (a) cultism;
- (b) molestation;
- (c) problem;
- (d) quarrel;
- (e) unity.

24. The following are not roles of the father in the family EXCEPT ...

- (a) provision of food;
- (b) provision of immediate health care delivery;
- (c) provision of money for education;
- (d) provision of security;
- (e) provision of shelter.

25. The first procedure for marriage is ...

- (a) acceptance of the groom's proposal;
- (b) courtship;
- (c) engagement of bride price by groom;
- (d) payment of bride price;
- (e) proposal bridegroom to bride.

26. The development of a child in the society begins in the ...

- (a) church;
- (b) family;
- (c) home;
- (d) market;
- (e) school.

27. Which of the following attributes can sustain marriage among couples?

- (a) authority and power;
- (b) education and position;
- (c) love and understanding;
- (d) status and eloquence;
- (e) wealth and elegance.

28. Money paid after legal divorce is known as

- (a) alimony;
- (b) benefits;
- (c) compensation;
- (d) grant;
- (e) gratuity.

29. Having a self-will, will guide you to behave...

- (a) badly;
- (b) negatively;
- (c) notoriously;
- (d) poorly;
- (e) positively.

30. One of the consequences of drug abuse to our nation is ...

- (a) it brings shame and disgrace to the nation;
- (b) it connects our nation to others;
- (c) it enhances the future of our nation;
- (d) it increases our nation reputation;
- (e) our nation is love by other countries.

31. These are the negative impacts of drug trafficking on a country's economy EXCEPTs...

- (a) currencies are buried underground;
- (b) lead to death of victims;
- (c) increase corruption;
- (d) increase crime rate;
- (e) increase money laundry.

32. Group behaviour can be changed for better through ...

- (a) enrichment of the group;
- (b) exemplary leadership;
- (c) hardship punishment for offenders;
- (d) increase in group membership (e) stratification of the society.

33. Which of the following is not a delinquent behaviour?

- (a) cultism;
- (b) diligence;
- (c) drug abuse;
- (d) hooliganism;
- (e) truancy.

34. ... are standards of behaviour that are accepted within a particular culture or society

- (a) behaviour;
- (b) dances;
- (c) norms;
- (d) taboos;
- (e) vices.

35. ... is the joining of smaller parts of culture to make a larger one

- (a) acculturation;
- (b) addition;
- (c) cultural population;
- (d) integration;
- (e) merging.

36. Religion is a major aspect of our culture because it ...

- (a) deals with the belief in God Almighty and other spiritual activities;
- (b) gives Christians boldness;
- (c) teaches us to marry only one wife;
- (d) teaches morals;
- (e) teaches Muslims how to read the Quran.

37. Non material culture includes music, dance and ...

- (a) basket;
- (b) bridges;
- (c) cutlass;
- (d) language;
- (e) pots.

38. A family in which the father marries only one wife and has children from only one wife is ...

- (a) extended;
- (b) monogamous;
- (c) polygamous;
- (d) polyandry;
- (e) polygyny.

39. The first attempt to teach social studies in Nigeria was done in comprehensive high school Aiyetoro in Ogun State in ...

- (a) 1961;
- (b) 1962;
- (c) 1963;
- (d) 1964;
- (e) 1965.

40. All of these are functions of the family EXCEPT....

- (a) feed, clothe and shelter its members;
- (b) fight among themselves;
- (c) provide education for its members;
- (d) provide love for its members;
- (e) provide protection for its members.

41. The people in the riverine areas of Delta, Bayelsa and River State, build their houses on ...

- (a) land;
- (b) sand;
- (c) stilts;
- (d) stones;
- (e) wood;

42. ... is a cultural custom which does not allow people to do, use or talk about a particular thing as people find it forbidding or offensive

- (a) cultural population;
- (b) death;
- (c) law;
- (d) standing while eating;
- (e) taboo.

43. The three major ethnic groups in Nigeria are ...

- (a) Hausa, Bini and Ibo;
- (b) Ibo, Yoruba and Itsekiri;
- (c) Ibo, Hausa and Bini;
- (d) Ibo, Hausa and Yoruba;
- (e) Yoruba, Ibo and Ijaw.

44. A situation where one lacks food, clothing and shelter is known as ...

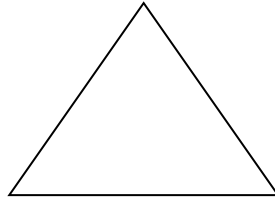
- (a) drug abuse;
- (b) illiteracy;
- (c) low level of skills;
- (d) pleasures of life;
- (e) poverty.

45. The role of the Federal Road Safety Corp has helped to accident in Nigeria.

- (a) construct new road;
- (b) damage Nigerian road;
- (c) increase;
- (d) reduce;

(e) stop.

46. What does the diagram below represent?



- (a) narrow bridge;
- (b) police check point;
- (c) T- junction;
- (d) traffic light;
- (e) zebra crossing.

47. Which of these is NOT a solution to the problem of illiteracy?

- (a) education should be only for the rich;
- (b) education should be made free at all levels;
- (c) equal opportunities should be given to boys and girls;
- (d) government always monitor attendance to school;
- (e) there is need for enlightenment campaign on education benefits.

48. The socialization agent through which a child learns by listening to programmes on radio and television is called...

- (a) market;
- (b) mass media;
- (c) peer group;
- (d) school;
- (e) television station.

49. The process of socialization that allows a child to learn in an informal way is called...

- (a) apprenticeship;
- (b) education;
- (c) incidental learning;
- (d) insight;
- (e) trial and error.

50. Experience and knowledge acquire through occurrence is called ...

- (a) apprenticeship;
- (b) education;
- (c) incidental learning;
- (d) insight;

(e) trial and error.

51. ... is a conflict that takes place between two or more countries

- (a) inter-ethnic conflict;
- (b) international conflict;
- (c) inter-personal conflict;
- (d) intra-personal conflict;
- (e) intra-village conflict.

52. Ife/Modakeke inter-ethnic conflicts took place in ...

- (a) Eastern region;
- (b) Northern region;
- (c) Mid-western region;
- (d) Western region;
- (e) Niger Delta region.

53. A disagreement or clash between ideas, principles, or people is known as...

- (a) conference;
- (b) conflicts;
- (c) non-violence;
- (d) peace;
- (e) war.

54. Folklores is mostly a ... story.

- (a) comic;
- (b) entertainment;
- (c) traditional;
- (d) tell-tale;
- (e) vulgar.

55. People being trafficked do not enjoy the following

- (a) food;
- (b) good cloths;
- (c) human rights;
- (d) party-going.

56. Children should respect and greet their ...

- (a) cousin only;
- (b) elders;
- (c) parents only;
- (d) teachers only;
- (e) relatives only.

57. The type of family common in the African society is ... family.

- (a) compound;
- (b) extended;
- (c) faithful;
- (d) harmony;
- (e) nuclear.

58. Hawking is usually associated with ...

- (a) child labour;
- (b) communal labour;
- (c) labour force;
- (d) political labour;
- (e) trade labour.

59. One of these is a harmful traditional practice:

- (a) drinking of palm wine;
- (b) eating overdose of food;
- (c) female genital mutilation;
- (d) going to meetings;
- (e) masquerade parade.

60. HIV/AIDS is contracted through...

- (a) blood transfusion;
- (b) dancing;
- (c) kissing;
- (d) playing together;
- (e) sleeping/sharing things together.

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