

Leveraging on Information & Communication Technologies (ICTs) To Mitigate Examination Malpractices in Nigerian Academic Institutions.

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ABSTRACT

Education, being a process of teaching, and learning is evaluated through examination at the end of the learning period. Examination not only serves as a feedback for the trainer to ascertain the level of knowledge acquisition but also serves as a measure of knowledge retention and comprehension as it is apparently a common practice in every institution across Nigeria hence examination malpractice gives a false outcome of the learning. These malpractices can be in form of various ways which include examination misconduct, impersonation, mass cheating or irregularity distorts this feedback mechanism. this paper examined the causes and forms of examination malpractice in Nigeria; it's consequences on the national development, efforts made at curbing this menace are recommended using relevant technology which may drastically reducing if not eradicating examination malpractice in the country.

Keyword: Education, Examination, Examination Malpractice, Nigeria, Institutions and Technology

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1. INTRODUCTION

According to the Longman Dictionary of Contemporary English (5th ed.), education is a process of teaching and learning, usually at school, college, or university. Akaranga & Ongong (2013) says that education is a necessary process through which young adults are equipped to lead productive lives according to their talents and interests. Through education, learners are not only taught, trained, and adequately guided to acquire relevant skills and knowledge but also how to adapt to acceptable public life. To some people, education is seen as a means of overcoming handicaps, achieving greater equality, and acquiring wealth and status for all. It is also often perceived as a place where children can develop according to their unique needs and potentials, with the purpose of developing every individual to their full potential the early years of schooling focuses around developing basic interpersonal communication and literacy skills. Later, education turns towards gaining the knowledge and skills needed to create value and establish a livelihood. Also, people pursue education for its own sake to satisfy innate curiosity, out of interest in a specific subject or skill, or for overall personal development. Education could be formal or informal. Formal education occurs in a structured environment whose explicit purpose is teaching of students.

Usually, formal education takes place in a school environment with classrooms of multiple students learning together with a trained, certified teacher of the subject. Whilst informal learning occurs in a variety of places, such as out of school time, in youth programmers at community centers and even village squares. Informal learning does not follow a specified curriculum and may originate accidentally, sporadically, in association with certain occasions, from changing practical requirements. It is not necessarily planned to be pedagogically conscious, systematic and according to subjects, but rather unconsciously incidental, holistically problem oriented, and related to situation management and fitness for life. The western knowledge acquisition system or formal education is measured on certificates. Yet, certificate is not a full proof of knowledge retention.

Before certificate is awarded, the students have to be assessed or examined in the field they have been trained. Nnam & Inah (2015) notes that examination is a yardstick against which students or candidates' competence and progress are formally measured and appraised in the education sector. According to Emaikwu (2012), examination as part of evaluation in education is aimed at determining a learner's level of skill acquisition or intellectual competence and understanding after a given training. Evaluation usually enables the teacher to be effectively ready for further teaching as this forms a feedback. George & Ukpong (2013) opines that examination is the most common tool around which the entire system of education revolves, it is the instrument used to decide who is permitted to move to the next academic level. Malik & Shah (1998) cited in Akaranga & Ongong (2013) observed that examination is not only a process of assessing the progress of students but, it also motivates and helps them to know their academic strengths and Weaknesses apart from providing teachers with opportunities to try new methods of teaching.

But when examination is not properly conducted, the expected feedback may not result. Hence, the result of such evaluation leads to wrong decision and judgment which affect the teacher, the learner, the entire education industry, as well as the society whenever there is examination irregularity or malpractice, the validity and resulting outcome is questionable. The common belief on certificates as the only yardstick to measure ones qualification has led many Nigerians into buying educational certificates to prove their academic worth. Examination malpractice in Nigeria is as old as the country herself. According to (Anzene, 2014; Uzoigwe; Onuka & Amoo), examination malpractice was first reported in Nigeria in the year 1914, when the question papers of the Senior Cambridge Local Examinations were reportedly seen by candidates before the scheduled date of the examination.

The Examination Malpractice explains examination malpractice as any act of omission or commission by a person who in anticipation of, before, during or after any examination fraudulently secure any unfair advantage for himself or any other person in such a manner that contravenes the rules and regulations to the extent of undermining the validity, reliability, authenticity of the examination and ultimately the integrity of the certification issued. Onuka & Amusan (2008) cited in Onuka & Durowoju (2013) defined examination malpractice as any dishonest or unauthorized action or deed committed by a student on his own or in collaboration with others like fellow students, guardians, parents, teachers, head teacher, examination officials, supervisors, invigilators, security officers and anybody or group of people before, during or after examination in order to obtain undeserved marks or grades. From all the definitions, it is clear that examination malpractice tends to confer undue advantage or undeserved grade to the perpetrators of the act.

Again, it may be committed by not only the candidates but also by other bodies charged with the responsibilities of examination management. Undoubtedly, examination malpractice has been a social problem for decades, but the rate and manner it is perpetrated nowadays calls for serious concern. The rate of this crime has become so widespread that there is virtually no examination anywhere at all levels and outside the formal school system

that there is no one form of illegal practice or another. Examination malpractices are common everywhere and every examination season witnesses the emergence of new and ingenious ways of cheating.

2. FORMS OF EXAMINATION MALPRACTICE

In every examination, students develop new methods of perpetrating examination malpractices. The instances of Examination malpractices vary. They range from impersonation, leakage of questions, tampering with results, and computer fraud to fraudulent practices by invigilators.

1. Collusion among candidates themselves and between them and examination officials: Collusion occurs when Candidates writing the same examination copies from one another. When examination official leaks the Examination materials to the intended examinees, parents, or overzealous school managers prior to the Examination time, the malpractice committed also falls under collusion. Collusion leads to mass cheating in Examination.
2. Impersonation: This is a case where another candidate or hired mercenary sits for examination on behalf of the genuine candidate; Male candidates sitting in for girls or vice versa. There is also a situation whereby identical twins write examinations for each other, well experienced student can equally write for others based on an agreed price when duly negotiated.
3. Giraffe: This form of cheating takes its name from one of the African wild animals with an extremely long neck, legs and small head. It is a process in which an examinee stretches out his neck as long as possible to view and copy what a fellow candidate has written down for a given question. Giraffe is among the oldest and the commonest form of examination malpractice.
4. Inscription: Students have now advanced to the level of inscribing materials or information on anything like parts of their body for example palms, thighs, baby pampers; handkerchiefs, rulers, purses, chairs, tables, walls of examination halls and so on, (Oredein, 2006). Nursing mothers convert the tender skin of their baby to white board; intermittently during examination seek for permission to breastfeed their baby only to use such avenue for note reading or revision.
5. Irregular activities inside and outside the examination halls: Students, who have made up their minds to cheat exhibit unwholesome behaviors during examination. For instance, smuggling out question papers out of the examination hall, sending and receiving information from other candidates or from agents and touts outside the hall, tearing part of the question paper or answer booklet during the examination to perpetrate malpractice.
6. Scientific malpractice/ the use of mobile phones during examinations: Nowadays, candidates employ unauthorized scientific calculators, organizers, compact disc, and mobile phones to take undue advantage. Mobile phones with camera (imaging functions) are used to take snapshots of a whole textbook in a much reduced format for use during examination. For examination that involves multiple choice questions, candidates inside the examination hall receive the answer through the handsets from their agents even outside that geographical location.
7. Bribery: This form of malpractice may be used to enhance teacher-student collusion to cheat. It brings in the economic perspectives in examination malpractices. A student may pay an examination official some money not necessarily to buy the question paper, but to be allowed to use illegal materials smuggled into the examination halls or to extend the examination scheduled period. In Nigeria, bribery often referred to as sorting in tertiary institutions is rampant. Male students offer money or other valuables while female students use money or sex to bargain for “upgrading” of their examination scores. Bribery is common in both secondary and tertiary levels of education examination.

8. Intimidation / Assault on examination officials: There are reported cases where students and touts brandish dangerous weapons like daggers, pistols, axe, etc in the examination venues to intimidate invigilators to have a free day while committing the heinous crime. Students who indulge in secret cult activities are more prone to this act. The case of intimidation is more evident during external WASSCE / NECO examinations popularly referred to as GCE or during final semester of undergraduate examinations.
9. Other forms of examination malpractice includes the use of coded sign languages by some candidates, exchanging of answer booklets for note comparison or outright impersonation, mass cheating, leakage of Question papers, etc.

From the forms of examination malpractices aforementioned, it is clear that examination malpractice is not limited to the time and the place of examination. In fact, it occurs either before, during or after examination. A typical pre-examination malpractice in Nigeria is in the process of registering SSCE candidates for examinations. Ojerinde (2004) cited in Anzene (2014) reported that one of the commonest forms of pre-examination malpractice is the registration of non-school candidates for school examination by principals in spite of clear regulations against such practice. This explains why secondary schools located in rural areas with no access road or difficult terrains that hinder external monitoring or supervision witness influx of candidates during SSCE examinations. Such “miracle centers” are established for pure economic gains and not to impart knowledge to students. The introduction of Global System for Mobile Communication (GSM) in the country has revolutionized examination malpractice in all tiers of our school system.

A lot of academic information is now stored in these electronic gadgets for direct use in examination halls or for onward transfer via short message service (sms) to other students in any other parts of the country. Post examination malpractices include such unwholesome activities occurring after the examination, for instance, candidates tracing their answer booklets to the marking centres. During SSCE examinations (WASSCE, NECO, & NABTEB), some candidates use pencil to write their telephone numbers, urging the marker (examiner) to contact them for price negotiation. Some female candidates also attach their semi-nude photographs in the answer booklets praying for a sexual promiscuous male to mark their answer booklets. Such photographs bear telephone numbers for contact. In the tertiary institutions, sorting and sexual gratification is a major form of post examination malpractice. Continuous assessment scores and even examination scores are altered by the unscrupulous lecturers to give undue advantage to their cohorts. Intervention by highly placed school officials for their wards or relative to be passed or given a specific grade at all cost is also a rampant case of post examination malpractice.

3. CAUSES OF EXAMINATION MALPRACTICE

Many reasons have been adduced to be the cause of the prevalent cases of examination malpractice. Petters & Okon (2013) identifies the causes to include fear of failure, craze for certificate, desire of parents to have their children in choice professions and university, pressure on students to pursue courses which they have no aptitude, pressure on teachers who want to gain favour of student and overcrowded sitting arrangement. George & Ukpong (2013) links the increasing rate of examination malpractice to poor teaching, ineffective preparation by students, ill-equipped library facilities, and dubious admission policy. Akaranga & Ongong (2013) views the cause of examination malpractice to parental upbringing. They opined that because of social status and economic ability, most parents are easily persuaded to bribe their way through for the sole success of their children and self-gratification.

According to Ejimogu (2001) cited in Nsiong (2011), general moral decadence and the high premium placed on achievement and certificates by Nigerians has in recent times spawned examination fraud. The overdependence on educational certificates as a measure of one's knowledge and competence has led to a mad rush by most people for educational certificates through unethical means. The disjunction between culturally acclaimed goals and the institutionalized means of achieving these goals coupled with the cultural context of great emphasis on success-goals without equivalent emphasis upon institutional means of attaining these goals have created an environment that predisposes some students, teachers, parents and others to examination malpractice, (Jimoh, 2009).

The Nigerian society today is characterized by a heavy emphasis on success and wealth without a corresponding emphasis on legitimate means and avenues to be used in achieving the success. The country has become a commercial venture and no longer a place for selfless service. The links examination malpractice to the following factors: rapid growth and demand for education in Nigeria, poor teaching and learning environment, lack of well equipped teachers who do not have the necessary pedagogy to impart the contents to the learners, lack of viable teaching materials/ equipment like standard laboratories, libraries and other things.

4. EFFECTS OF EXAMINATION MALPRACTICE ON NATIONAL DEVELOPMENT

In a society where examination malpractice is predominant, its impact is visibly seen in the type of human resources the education system has produced. Again, educational system strives to inculcate high level of Discipline, diligence, moral love for others; to the recipients where the examination is fraught with malpractice, all the important feedback mechanism becomes defaulted and the educational system becomes distorted, (The CWO Voice, 2010).

In addition, examination malpractices have the following effects on national development:

1. Examination malpractice leads to irreversible loss of credibility. A country that becomes notorious in examination malpractice loses international credibility. The implication is that documents or certificates emanating from such country will be treated with suspicion as is the case of Nigeria today. Such country's educational institutions are as good as dead as far as international cooperation in education is concerned (Jimoh, 2009).
2. Examination malpractice has grave consequences on the individuals and institutions of learning, communities and the country at large. Dismissal, termination, loss of position, and lack of self-confidence are effects and have caused a lot of embarrassment and suffering to individuals, families and the nation. The guilty ones who were not caught and punished cannot defend the certificates procured not to talk of delivering at their duty posts.
3. The prevalent rate of bank failures, collapse of buildings, economic sabotage, vandalism, kidnapping/hostage taking for ransom, drug trafficking, fake drug manufacturing and sales are practical effects of moral decadence, emanating from examination malpractice. Effects of examination fraud are displayed in the filling stations, churches, homes, hospitals, markets and everywhere.
4. The fight against corruption cannot be realized if examination malpractice continues to be rampant in our educational system. As future leaders who have been equipped through a school system characterized by academic fraud and dishonesty, will certainly manifest this fraudulent behavior in any organization they may found themselves. Those that cheated to pass examination will cheat to get employed, have spouse, and even to win election through electoral violence or other sharp malpractices.

6. Other effects of examination malpractice includes discouragement of students from hard work, low productivity and poor job performances, bribery, corruption, and certificate racketeering. Examination malpractice with its disadvantages is affecting all the facets of the society negatively. The potentials of this nation will be difficult to be realized socially, economically, and technologically until the individuals, governments, and other stakeholders in the education sector collaborate to eradicate this malpractice.

5. MORAL DECADENCE AND EXAMINATION MALPRACTICE

The phenomenon of examination malpractice is influenced by many factors. According to Iwovi (1997), lack of confidence as a result of inadequate preparation, peer influence, societal influence, parental support and poor facilities in school are some of the factors responsible for examination malpractice. Badmus (2006), Nadine (2005), Okafor (2006) and Ayua (2006) identified school programmers, teaching learning environment, the teacher, the students, overvalue of certificate and parental support as some factors responsible for examination malpractice in Nigerian educational system. This writer holds that the central factor responsible for examination malpractice in the country is the high level of moral decadence in the Nigerian society. Examination malpractice is one of the features of a society that nurtures cheats and mediocre and turns them into celebrities. Contemporary Nigeria society places great emphasis on success goals without equivalent emphasis on institutional means of attaining these goals. The society is characterized by a heavy emphasis on success and wealth without a corresponding emphasis on legitimate means and avenues to be used in achieving success. Hence according to Nibs, cited by Ojerinde, (2004).

The country is bedeviled with social and economic ills such as cultism, embezzlement, social injustice, corruption, and has become a society where the custom is to decorate miscreants, naves, scam artists and violators of national trust with nation Honours and appoint them to exalted public offices. The social vices bedeviling the society have permeated the entire segments of the education sector. The manifestations are cultism, indiscipline and examination malpractice, which have become endemic in the education system of the country. The moral decadence in the society has made both students, parents, teachers and others to be involved in examination malpractice. Students and parents are involved because they want good Grades; teachers and others are involved because of the financial, material and other intangible gains derivable from involvement in examination malpractice. Examination malpractice is a variety of corruption. It is sustained by whatever sustains corruption in the country; capitalism has eroded the moral values of the Nigeria society. Social, economic, political, religious and educational vices are celebrated and rewarded in the country while virtue is relegated to the background.

How can students, teachers and others shun examination malpractice when they "see criminals being set free through legalisms and court room gymnastics or worse, through wretched and criminal influence peddling" (Aminu 2006). Hence, Jibril (1991) noted that examination malpractice is a reflection of the moral decadence of our country. Aghast (2004) summarized the moral decadence in Nigeria thus; Today in Nigeria, deception seems to be the order of the day. Banks are robbed, offices set ablaze to cover up crimes of embezzlement, people are assassinated to make way for another politicians and to conceal crime... Examination results, question papers and admission into institutions are sold. Therefore, any attempt to curb examination malpractice devoid of dealing with the problem of moral decadence in the society will likely be a failure. To ensure a more comprehensive approach to the attempt in curbing examination malpractice moral Education should be at the forefront.

6. CURBING EXAMINATION MALPRACTICE THROUGH MORAL EDUCATION

Examination malpractice especially at the secondary school level is a hydra headed problem facing the educational system in Nigeria. Since previous efforts geared towards curbing this problem seem to have yielded no dividends, there is need to adopt the strategy of moral Education. This is so because; examination malpractice is a reflection of the moral decadence in the society. Moral education is essential for bringing up morally sound children. Good character is required for a crime-free society to be instilled in the people at an early stage. Moral

Education ensures that the people know what is good, desire what is good; and do what is good. This attitude should be instilled in the youth right from the primary schools to secondary schools. Quality education recognizes the whole persons and promotes education that involves the affective domain as well as the cognitive. Values such as peace, honesty, forth rightness and dedication; diligence are cherished and aspired by the world all over. Such values are the sustaining force of human society and progress. What children and youths learn is inter woven into the fabric of the society. So, positive values should be passed on to the school children. This will produce a generation of citizens who will not only shun examination malpractice because of the fear of the punishment but because of the internalized values through moral education. It is clear that the students are the basic agents of examination malpractice and if we catch them young they can stop examination malpractice. For a successful moral values to be achieved teachers can employ fascinating ways such as storytelling, to convey the required values. According to Oladip (2009) stories could convey moral values and children of every age love to hear a good story. Story books with stories of characters that through simple righteous acts, become heroes worthy of emulation are good for moral education of the child. We should also create and utilize music for the teaching of moral lessons. Some religious and non-religious groups alike have produced excellent

Recordings, which employ catchy tunes, and repetitive lyrics that keep moral values on the lips of children's tongues. This should be further explored and employed to teach moral education to the younger generation. Teaching moral education to curb examination malpractice is catching the children young. It can solve the problem of examination malpractice from the root. This is because, if students cultivate the habit of doing the right and avoiding the wrong no matter the situation, examination malpractice will be a solved problem. This attitude can be cultivated through moral education.

6.1 Ways of Curbing Examination Malpractice in Nigeria

No one can claim to have all the solutions to the eradication of examination malpractice in Nigeria, but the writer believes strongly that the following suggestions will curtail malpractice to the barest minimum.

1. **Societal re-engineering and re-orientation to revamp moral values:** Good moral values should be properly inculcated into our youths, and parents counseled to stop aiding their children to cheat in examinations. Again, there is need to engage only honest persons in examination
2. **Management.** Patters and Okon (2014) also suggests effective counseling services in schools to assist students acquire techniques of effective study habits.
3. **Retraining and reassessment of teachers:** Teachers should be equipped for the technological-driven world, (Uzoigwe,). Teachers cannot provide experience and activities that guide students' progress towards
4. **Understanding of ideas if they themselves do not know what these ideas are;** neither can they provide experiences that challenge students if they themselves share in the same misunderstanding,

(Jimoh, 2009). Since some of the teachers in our various level of education are beneficiaries or products of malpractice, a compulsory nationwide retraining of teachers is very important to re-equip them to impart knowledge. And those found non-trainable should be reassigned with administrative duties.

5. **Appropriate recognition and remuneration of teachers / examination officials:** Enhanced salary should be paid to teachers and special welfare package given to examination officials to dissuade them from financial and material inducements from students, parents, and others who may want to subvert examination process. The examination officials include teachers who invigilate examinations, supervisors who oversee the conduct of examinations in schools, officers of examination bodies who monitor the conduct of examinations and law enforcement agents charged with the security of the examination centers.
6. **Promulgation and enforcement of examination malpractice (prohibition) laws:** The Examination Malpractice should be amended to re-introduce the parts of 20 of 1984 which advocated for twenty one (21) years imprisonment for convicted culprits of examination malpractice without option of fine. If this is fully implemented, it will serve as deterrent to students, invigilators, security agents, and other collaborators in the malpractice business.
7. **Employment of qualified teachers at all levels of education:** The need for qualified manpower cannot be overemphasized. The era of agricultural science tutor teaching chemistry, physics, or integrated science under the guise that "science is science" should be over. Trained teachers should be deployed to handle subjects only in their field of specialization. Remember that a medical doctor practicing engineering is a quack.
8. **School libraries and laboratories should be adequately equipped:** Tools for effective teaching and learning include current and quality textbooks, up to date laboratory equipment, and workshop tools. This vital equipment should be provided and the libraries and laboratories made conducive for learning activities. In fact the whole school environment should be learning-friendly and conducive for human habitation.
9. **Proper funding of education sector:** Federal and states annual budgets should be implemented in accordance with UNESCO recommendation of 26% of states annual budgetary allocation for education. The Nigerian
10. **Government should realize that education is the bedrock of every society and a springboard for development in a complex and competitive world of today.** What we have in our schools today especially in the primary and secondary schools are dilapidated classrooms and classrooms without chairs and tables.
11. **Less emphasis on paper qualifications /certificates:** Nigeria's education system is largely certificate oriented. Excessive value placed on paper qualification or certificates is the major contributing factor for examination malpractices, that is why candidate would not spare any effort to ensure that they obtained whatever they needed to make a living, whether by a just or unjust way, (Onuka and Durowoju, 2013).
12. **The use of effective continuous assessment techniques:** As a continuous updating of teachers' judgment about the learners' performance in relation to specific criteria which will allow at anytime a cumulative judgment to be made about his /her performance. Continuous assessment compels students to make adequate use of their time for studies by completing notes, doing homework, and assignment. On the side of the teachers, it affords an early opportunity to review one's teaching methodology and students' assimilation of the subjects taught. Again, reduces the anxiety associated with one-shot examinations.

6.2 Efforts Made at Curbing Examination Malpractice

After the leakage of the West African Examination Council (WAEC) question papers for the West African School Examination in 1977, the public outcry by WAEC led to the setting up of a tribunal by the federal government of Nigeria to investigate the mass leakage and suggest possible measure to forestall future occurrence. The recommendations of the tribunal led to the promulgation of Decree 20 by the federal military government in 1984 to deal with this menace. Part of the Decree reads thus: Any person who fraudulently or with intent to cheat or secure any unfair advantage to himself or any other person or in abuse of his office, produces, sells or buys or otherwise deals with any question paper intended for the examination of persons at any examination or commits any offences specified in section 3 (27) (c) of this Decree shall be guilty of an offence and on conviction be sentenced to 21 years imprisonment.... (Fagbemi, 1998 cited in Oredein, 2006).

Incidentally, Examination Malpractice Act 33 of 1999 revised the Decree 20 of 1984 and stipulates punishment ranging from a fine of ₦50,000.00 to ₦100,000.00 and imprisonment for a term of 3 – 4 years with or without option of fine. Despite all these laws, examination malpractice has been on the increase and this is as result of government inability to enforce the laws. The West African Examination Council being one of the oldest examination bodies in the country has adopted and applied several measures to curtail malpractice. The efforts by WAEC includes: public Enlightenment on the dangers of examination malpractice, information to candidates on rules and regulations guiding its examinations, sensitization of government and other stakeholders, sanctioning candidates and officials caught in examination irregularities. Other measures by WAEC include use of security bags for collection of security materials, photo-embossment of certificates, mounting of anti-malpractice billboards among others. Akanu Ibiam Federal Polytechnic Unwana, Ebonyi State and other tertiary institutions in the country have their own sets of examination rules and regulations published in examination guidelines /students handbooks. The handbooks are given to students during admission process to put them on the right pedestal for academic hard work. The sanction for malpractice in Nigerian tertiary institutions ranges from expulsion, withdrawal, repeat to award of "F" depending on the degree of the malpractice. Nongovernmental organizations and church groups are not left out of the war against examination malpractice in the country. Worthy of note is Examination Ethics Marshal International, an NGO championed by Mr. Ike Onyechere which has crises-crossed the country campaigning against examination misconduct. Despite all these efforts by both government and non-governmental organizations, examination malpractice is increasing geometrically in the country because the remote cause that necessitated the malpractice is yet to be addressed.

7. APPLICATION OF ICT IN EXAMINATION MALPRACTICE

Massive application of ICT in Nigeria has added new dimensions to the forms of examination malpractice. Baker (2006) and Nnachi (2006) reported that the rapid growth of digital technologies and their integration in education have given many students new tools to facilitate cheating at all levels. The following are some of the ICT devices used in perpetrating examination malpractice: Mobile phones, Electronic Organizers, MP3 player, microscopic earphones, optical character recognition software, programmable calculator, palmtops and digital camera phones.

Mobile Phones

Increased use of mobile phones by students has enhanced examination. Malpractice in schools (Oksman, 2006) Students use electronic devices like mobile phones to send information silently through text messages or faxing to friends. Cases of this form of examination malpractice abound in our tertiary institutions. For instance, Akpoo and Akpoo (2006) reported that in 2004/2005 academic session, many students of university of Agriculture, Markudi were caught sending text messages of answers to friends during examination.

Again, Yaqoob (2006) reported that students used mobile phones to solicit forfeit in examination halls. Mobile phones enhance student & exchange of notes with colleagues in the hall and collection of information from colleagues outside the examination hall. Mobile phones used under this condition are put in silent and vibration modes. Agbatogun (2007) reported that 15 students of Moshood Abiola polytechnic Abeokuta between 2004 and 2006 were arraigned before the students' disciplinary committee for committing this offence. Underwood (2006) reported that mobile phones have been found to be the preserved tool when students chose to engage in act of examination malpractice.

Electronic Organizers

The use of digital technology such as the electronic organizer for cheating in examination is common among secondary and tertiary institutions. Here, the students put their revision notes on the handheld organizers, smuggle them into examination halls, scroll through a wealth of the information sneaked in via this electronic device so as to gain undue advantage over their colleagues. Agbatogun (2007) observed that the Nigerian Examinations Committee, a unit of WAEC lamented that candidates have changed tactics from for question before examination to using technology devices like organizers to cheat.

MP3 Player

This is another ICT device that students use in cheating in examination halls. They put a whole course lecture note on MP3 player, and smuggle it into the examination hall.

Microscopic Ear Phones

This is a microscopic wireless earphone network device that students insert into their ears. Since it is wireless, the student cheating may perpetrate the illegal act without being noticed.

Optical Character Recognition Software

The device is inexpensive and an easy to use software that works with a scanner. With this device, printed text can be quickly imputed into a processor for "doctoring". Students copy detailed assignment easily with the help of the Optical Character Recognition Software. This digital device makes perfect copies of the assignment in such a manner that there exist no remarkable difference between the original copy and the duplicates.

Programmable Calculators

It is a data storage media that has infrared beaming capability. Students use this media in storing formulae, and text. It has been recorded that high volume of calculations can be recorded on it for illegal use during examination. Agbatogun (2007) reported that Students' Affairs Records of Olabasi Onabanjo University, Agolwoye, and Tai Solarin University of Education, Ijagun indicated that between 2005 and 2007, 12 students have been caught during examinations with calculators which contained stored information that would have given them undue advantage on their mates.

Palmtops/Digital Camera Phones

This is a handheld computer that can be carried by individuals without being noticed. Students use palmtops to perpetrate examination malpractice because with this device, they can receive and make calls, take digital photos and record sound. Again, students use palmtops and digital camera phones to photograph test in order to share with their colleagues who face some test at a later time of the day.

Utilization of ICT in Combating Examination Malpractice

Different approaches have been adopted to check examination malpractice in institutions of learning in Nigeria. At the national level, legislation has been put in place to curb the malady. Penalties range from cancellation of result to outright dismissal of culprits. Onabanjo (2006) argued that all measures aimed at curbing examination malpractices in schools seem to have failed. However, technologically, it would be relatively possible to minimize examination malpractices in schools and institutions of higher learning if various hi-tech equipment are employed: These include the following:

Electronic Detectors

These are technological equipment that has the ability of detecting mobile technology devices as they are switched on or off and when in use. These detectors could be utilized to identify signals outside the hall. It can also indicate whether the mobile device is being operated within an examination hall.

Phones Signal Jammers

Phone-Jammers are devices which are designed to prevent radio equipment from receiving and transmitting the signal relevant to their functions. Meikie (2006) pointed out that it is technologically easy to disrupt mobile phones by making all attempts to block the electrical fields.

Faraday Cage

Underwood (2006) reported that faraday cage is a less expensive alternative to signal jamming. It is also called blanket cloaking of an examination hall. This device disrupts the mobile phones connections. The cage involves creating a metal to shield the examination hall/room, which blocks electromagnetic waves by mobile phones from traveling. By so doing, the unwanted signals are flattered out while allowing certain transmission proceeds as normal. The main function of the device is to prevent signal from getting through by causing "shadows" or radio wave blind spots.

Airport Style Security Scanner

This is a signal detector useful in preventing the use of mobile communication in examination hall. It allows for quick search, screening, and examination of students and what are on them before entering the examination halls. Once suspicious items are shown on the monitor screen of the scanner, the student will be instructed to remove the items before entering the examination or test hall (centre for Medicare and Medicaid service, 2005).

Electronic Monitoring-Service (EMS)

Here, tele-electric monitoring device otherwise known as closed- circuit

Televisions are installed in examination halls. This device can be very effective in curbing examination malpractice in institutions where there are large numbers of students and few invigilators or supervisors in the hall. Through the closed-circuit television, examination monitoring officers from the control room watch and monitor the examination halls effectively.

8. DIRECTION FOR FUTURE RESEARCH

Given the findings of this study, the following are considered for future research:

1. This study focused exclusively on teachers' and students' perceptions about causes and methods of examination malpractice. Further studies should be expanded to include education managers from the district, division, and national headquarters.

2. This study involved teachers and students from secondary schools only. It is recommended that future studies should include teachers and students from all levels of institution.
3. 3 future studies can be on how to use ICT to curb corruption practices in school. This will help to ensure funds are diligently used in promoting our education system in Nigeria.
4. Students should be counseled to have faith in their own ability. They should be made to believe that if other students can pass their examinations genuinely, they too can pass theirs.
5. Teachers should help students form the attitude that nothing good comes easy and thereby encourage hard working.
6. Students should be assisted by parents/guardian to form positive study habits to be able to succeed in schools.
7. Teachers need to acquire and display sound moral values of integrity and moral probity in order to resist stoutly their students wanting to bribe them so that they can aid them in cheating during examinations.
8. Teachers need to imbibe and display the right attitude of hard work and creativity and inculcate same in their students by giving regular assignments, projects and laboratory and workshop practical.
9. Teachers, vice principals and principals also need to acquire and display in their work in school sound moral values of equality, honesty, honors, respect, self-control, responsibility, social justice, and respect for authority etc.
10. Parents should strive to socialize their children properly by teaching them basic moral values. They should also monitor the behavior of their children.
11. Parents should also strive to live out what they teach their children. This is because, if a child is growing amidst unfairness, vulgarity, cheating and lying and is taught moral values at school, he cannot see its relevance in his life.
12. Religious leaders should condemn examination malpractice and preach against it.

9. CONCLUSION

Since education is the bedrock of every society, any factor or vice that tarnishes the outcome of the learning process must be fought standstill by all stakeholders and well-meaning Nigerians. From the discussion so far, examination malpractice which has remained a cancer in the education sector requires a multidimensional approach for total annihilation. Development of any nation relies solely on its human resources, and human resources are refined to be productive through education, hence eradicating examination malpractice which destroys human resources development should be taken as a full scale war. Restoring that section of Decree 20 of 1984 which stipulated twenty-one years imprisonment on conviction without option of fine into the 1999 constitution (as amended) will be a right step in the right direction in winning this war.

REFERENCES

1. Agbatogun, A. O. (2007). Uses and misuses of information and communication technology in examination malpractices: Nigeria at a glance. *An on line Journal of African Educational Research Network*, 7 (2), 175-183.
2. Akanni, O. O., & Odofin, B. (2015). Reducing Examination Malpractices in Nigerian Schools through Effective Continuous Assessment (C. A.) Techniques as an Alternative to One-Shot Examination in Osun State, Nigeria. *American Journal of Educational Research*, 2(1): 91 – 101
3. Akaranga, S. I., & Ongong, J. J. (2013). The phenomenon of Examination Malpractice: An Example of Nairobi and Kenyatta Universities. *Journal of Education and Practice*, 4(18): 87 – 96
4. Akpoo, M. V. & Akpoo, J. M. (2006). Assessment of the causes and effects of examination malpractice at the tertiary level of Nigerian education system. *Journal of the Nigerian Society for Educational Psychologists*, 4(2). 346-356.
5. Underwood, 1 (2006). *Digital technologies and dishonesty in examination and tests*. Retrieved 6 October 2008 from <http://www.dailymall.co.uk/pQes222/live/articles/news.html>
6. Anzene, S. J. (2014). Trends in Examination Malpractice in Nigerian Educational System and its Effects on the Socio-Economic Development of Nigeria. *Asian Journal of Humanities and Social Sciences*, 2(3): 1 – 8
7. Ayua, F.A. (2006) Confronting Legal Issues in Examination Malpractice: The Law, Prosecution, and Judicial Processes. *Speech Delivered at a Two-Day Summit on Examination Malpractice in Nigeria Organized by the House of Representatives committee on Education*. Held at the Shehu Musa Yar'Adua centre, Abuja, August 15-16,2006.
8. Badmus, G.A. (2006) Accountability in Teaching Learning Environment and Examination Malpractices. *A Paper presented at a Two-Day Summit on Examination Malpractice in Nigeria organized by the House of Representative Committee on Education held at the Shehu Musa Yar'Adua centre, Abuja, August 15-16, 2006*.
9. Baker, R. T. (2006). *Digital academic dishonesty*. Retrieved 6 October 2009.
10. Aminu, J. (2006) Examination Malpractice in Nigeria: Roots, Sustenance, Endernicity, Dangers and Assailance. *Keynote Address delivered in a Two Day Summit on Examination Malpractice in Nigeria organized by the House of Representative committee on Education*. Held at the Shehu Musa Yar'Adua centre, Abuja, August 15- 16,2006
11. Education. (n.d.). In longman dictionary online. Retrieved from <https://www.ldoceonline.com/dictionary/education>
12. Emaikwu, S. O. (2012). Assessing the Impact of Examination Malpractices on the Measurement of Ability in Nigeria. *International Journal of Social Sciences & Education*, 2(4): 748 – 757
13. George, I. N., & Ukpong, D. E. (2013). Contemporary Social Problems in Nigeria and its Impact on National Development: Implication for Guidance and Counselling Services. *Journal of Educational and Social Research*, 3(2): 167 – 173
14. Ike, M. N. (2006). Examination malpractice: Causes and suggestions for curbing it. *Journal of Nigerian Educational Psychologists*, 4(2), 185-200.
15. Ivowi, U. M. (1996). Examination malpractice: Profile courses waving case studies, preventing and detecting strategies, promoting examination ethics (The challenge of collective responsibility). *Proceedings of National conference on examination ethics. Promac consult/FME chapter 4*, 47-57.
16. Jibril, M. (1991). Examination Malpractice in Nigeria. *In Newswatch Magazine* July 9-15.
17. Jimoh, B. O. (2009). Examination Malpractice in Secondary Schools in Nigeria: What sustains it? *European Journal of Educational Studies*, 1(3): 101 – 108

18. Meikle, I. (2006). *School exam cheats turn to technology*. Retrieved 4 October 2009 from <http://www.education.guardian.co.uk/geses/story/0,1880424.00.html>
19. Nnam, M. U., & Inah, A. F. (2015). Empirical Investigation into the Causes, Forms and Consequences of Examination Malpractice in Nigerian Institutions of Higher Learning. *International Journal of Novel Research in Humanity and Social Sciences*, 2(1): 52 – 62
20. Nnachi R. O. (2006). Causes and remedies of examination irregularities among external candidates in Nigeria. *Journal of the Nigeria Society for Educational Psychologists*, (4 (2), 233-243.
21. Nwadiani, M. (2005) Curbing Examination Malpractice in the Nigerian Educational System. *A Lead Paper presented at the First Annual Conference of the Faculty of Education, Abrose Alii University Ekpoma, November 10-12*
22. Okafor, F.C. (2006) Confronting Environmental Issues in Examination Malpractice: Societal and Professional Support. *A Paper presented at a Two-Day summit on Examination Malpractice in Nigeria organized by the House of Representatives committee on Education Held at the Shehu Musa Yar'Adua Centre; Abuia. August 15-16 Oladipo, S.E. (2009). Moral Education of the child: whose Responsibility.*
23. Onabanjo, I. O. (2006). Examination malpractices: The bane of educational quality in Nigeria in O. Oyedeyemi & B. Qgunyemi (eds). *Perspective in Nigerian Education* (pp. 183-193). Ibina, E. (2015). Examination Malpractice in Nigeria: Causes and Effects on National Development, *Journal of Education and Practice*, 6(26), 12-17
24. Onuka, A., & Amoo, S. A. (n.d). Examination Malpractice and Act 33 of 1999. Retrieved from www.naere.org.ng/journal/examination_malpractice_act_33_1999.pdf
25. Onuka, A. O. U., & Durowoju, E. O. (2013). Stakeholders' Role in Curbing Examination Malpractice in Nigeria. *International Journal of Economy, Management and Social Sciences*, 2(6): 342 – 348
26. Oredein, A. O. (2006). Checking Examination Malpractice in Nigerian Schools. Retrieved from www.naere.org.ng/journal/checking_Examination_malpractice_nigerian_schools.pdf
27. Petters, J. S., & Okon, M. O. (2013). Students' Perception of Causes and Effects of Examination Malpractice in the Nigerian Educational System: The Way Forward for Quality Education. Retrieved from www.sciencedirect.com/science/article/pii/S187704281305310X
28. The CWO Voice (06/04/2010). Exam Malpractice: Implication for National Development.
29. Uzoigwe, G. O. (n.d). Corruption in Education and Assessment Systems: The WAEC Experience in Nigeria. Retrieved from www.iaea.info/documents/paper_1162d1b538.pdf
30. Yaqooh, T. (2006). *Exam halls could be insulated to stop mobile phone cheats*. Retrieved 7 May 2007 from <http://j7yvwvwaailymail.co.ukipaçes/iive/articies/news.html>