



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF MEDICAL SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF MEDICAL LABORATORY SCIENCES

BMLS12S (Mid entry)

AML 4250: LABORATORY ETHICS AND LAW

SPECIAL/SUPPLEMENTARY EXAMINATION

OCTOBER 2013 SERIES

2 HOURS

Instructions to candidates:

This paper consist of **TWO** sections A and B

Section A –Contains MCQS, any wrong response will be penalised. Answer **ALL** questions in **Section B**.

SECTION A – MCQs – (30marks)

- Regarding the contractual capacity of a minor, which of the following statement is true?
 - A minor cannot enter into a legally binding contract
 - A minor can enter into a legally binding Contract
 - A minor can sue and be sued I court
 - A contract for the purchase of shares in void if made by a minor
 - Generally a minor can enforce the contract against the other party
- The following are categorized as pathological wastes
 - Plastics
 - Gloves
 - Fetuses
 - Infusion sits
 - Branulers
- The rights and fundamental freedoms in the bili of Rights belong to:-
 - The human rights activists
 - Each individual and are not granted by the state
 - To the Judiciary
 - To the politicians
 - To the poor

4. Which among these are considered vulnerable groups in the Kenya constitution?
 - a) People working in the mine fields
 - b) Casual labourer
 - c) All members of the community
 - d) Youths
 - e) Marginalized communities

5. Nuremberg basic principles agree with the following except?
 - a) Collaborative Research
 - b) Good research for the good of the society
 - c) Researcher must be competent and qualified
 - d) Concerting of participants
 - e) Animal experimentation before human experimentation

6. Universal declaration of Bioethics and human rights addresses the following salient principles:-
 - a) The respect for human dignity
 - b) The interest of silence over the participant
 - c) The maximization of harm
 - d) The minimization of benefit
 - e) Give minimum rates for compensation income of injury during participation

7. Kenyan biomedical research guideline sin founded on:-
 - a) Kenyan constitution
 - b) Rome statutes
 - c) Claves guiding
 - d) IFBLS
 - e) None of the above

8. Disclosure may be inevitable under which of the conditions?
 - a) HIV infection
 - b) Terminal illness
 - c) Protection of staff
 - d) Abuse
 - e) Employees request

9. Concerting a participant is important because it?
 - a) Opens up opportunities for alternative methods of study
 - b) Allows the participants opportunity to control the decision on whether to participate or not
 - c) Regulates research opportunities
 - d) Is a source of income for participants of clinical trials
 - e) Is a requirement for many finding donors

10. Law can be defined as
- A standard of behavior
 - A standard of more values that government enacts to maintain order
 - A rule of conduct or action that government exacts to maintain order
 - A form of punishment for defaulters
 - Guidelines for prosecuting crimes against the state
11. Who is an informed participant?
- A participant who knows their role in the study only
 - A participant who knows the methods and study only
 - A participant is accurately informed about the study and the rights to withdraw if they wish to
 - Is that who knows of their benefits
 - Is that who is not informed about the study but is aware of the risks involved
12. The Civil law involves
- Crimes against the person
 - Felony
 - Misdemeanor
 - Crimes against the state
 - All of the above
13. The following are elements of contract except?
- Unlawful consideration
 - Legality of the object
 - Contracted capacity
 - Legal formalities
 - Legal consideration
14. Biomedical research before antics involved all there except?
- Force
 - Planned to leave a fatal ending
 - Pain
 - Free participation
 - Coercion
15. A appropriate example of negligence by a medical includes?
- Wrong diagnosis
 - Prompt treatment done wrongly
 - Delayed treatment
 - Personality conflict
 - All of the above

16. The association acronym as defined in Kenya medical laboratory technicians and technologists board is?
- a) KEBS
 - b) KEMSA
 - c) KMLTTB
 - d) KEMRI
 - e) AKAMLSO
17. Members of KMLTTB include which of the following
- a) Director of Kenya Medical Research institute
 - b) The Permanent secretary of health
 - c) Director of medical training colleges in Kenya
 - d) The head of National Public health laboratories of the ministry at that time
 - e) The laboratory technicians of the National Public health labs
18. For someone to qualify for registration one must?
- a) Successfully attend the course of instruction for medical laboratory technicians and technologist at an approved institution
 - b) Must have attended a bachelors degree in medical lab sciences
 - c) Tristed 5 years probation period
 - d) Must be in practice
 - e) Must meet all the above conditions
19. National environmental management authority is?
- a) The authority of the scientists researchers in Kenya
 - b) The authority of the Environmental management and Coordination act
 - c) The authority of the public health workers
 - d) Act of Parliament that controls the trade in drugs and poison
 - e) The authority of deals with control of disposal of industrial wastes and pathological wastes in Kenya and its environs
20. Which body is recognized by the Government of Kenya as the sole national Accreditation body?
- a) KENAS
 - b) KMLTTB
 - c) AKMLSO
 - d) KEBS
 - e) KEMSA

21. No laboratory scientist shall negate in private practice if?
- They work for Government
 - If they are undergoing further training
 - If they have a court care
 - If they have trained outside the country
 - If they are not Kenya Citizens
22. In order for the consent form to be valid the research participant must be?
- Represented by a lawyer
 - Most have a witness
 - Must be learned
 - Of the age of the Majority
 - Voluntarily given
23. The following is recommended treatment for human produces wastes:-
- Buying in shallow hole
 - Incineration
 - Boiling
 - Flamming
 - Recycling
24. To commence with a malpractice sent
- The patient must not prove that they suffered injury
 - The patient must desist from further treatment
 - The patient must prove that injury was direct cause of treatment
 - Is not necessary to prove the physician patient relationship existed as long as the lab report are present
 - The patient must not necessarily be injured
25. One of the statement below is true of Tort laws
- Provides Laws on the protection of human rights and election of Political Re preventives
 - Regulates transfers of Personal and public property
 - Does not include acts committed unintentionally to cause harm
 - Allows for compensation of the injured persons
 - All of the above
26. The Registrar of KMLTTB shall be a person who?
- Has been duly qualified, registered and finished the probation time
 - Is a qualified administrator and has experience in human resource
 - Has been registered by the board and appointed by AKAMLSO
 - Must be a graduate with honours
 - None of the above

27. The following may result in a laboratory technologist's deregistration except?
- a) Death
 - b) If the names were fraudulently entered in the register
 - c) If the person has falsified the certificates
 - d) Has a malpractice suit
 - e) Trundled for more than six months to another country
28. The standard of patient care includes all of the following except?
- a) Maintaining confidentiality
 - b) Preparing and maintaining of medical records
 - c) Preparing patients relatives for any unexpected turn of events for terminal canes
 - d) Following established policies provided by the employer
 - e) Following established risk –management and safety procedures
29. Uniform donor cards is a:-
- a) Legal document for patient identification once admitted in hospital
 - b) Legal statement to guide the clinician on the treatment in case of comatose state
 - c) It is the durable power of attorney
 - d) Is a legal document stating the persons with to donate an organ
 - e) Is the suerity document incase the patient fails to pay the bills
30. The following are examples of Nazi Germany military experiments except?
- a) Malaria Experiment
 - b) Tearoom sex study
 - c) Typhus experiment
 - d) Freezing Experiment
 - e) High altitude (Low pressure) experiments

SECTION B

1. Briefly explain universal safety standards as set by occupational safety and health administration (OSHA) **(20marks)**

2. a) Discuss briefly the FOUR principles of ethics in biomedical research **(10marks)**
b) List and explain any FIVE professional code of conduct for medical laboratory worker. **(10marks)**