



Zoology Legends

BT605

Mid Term Papers Fall 2023

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Join our Legend Group

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Mcqs

- 1) Scienceanswer **observation and experiment**
 - 2) Threat to science is results are experimentally built in science but.....answer **socially constructed**
 - 3) Ethics is related to science ,answer **philosophy and religion**
 - 4) practical meaning related to.....answer **normative ethics**
 - 5) health care is associated/related.....except.a(technology b)education c(administration d)none of these answer **none of these**
 - 5) natural world is related to except...answer **human**
 - 6) in usa no of animals used in research...answer **26 million**
 - 7) physician can not act upon patient consent in**infectious disease**(kise ko ye q aya he to actual wording bta de)
 - 8) according to islam soul is added to the embryoanswer **after 40 days** (• soul is “breathed in” to the human embryo on the 40 day after fertilization--Islam)
 - 9) carrier of gene is a person whoanswer **who do not have symptoms but carries disease to their offsprings**
 - 10) gene patenting is related toanswer **created gene/gene creation**•
 - 11) microbes causing diseases..... answer **WHO risk group 2:**
-
2. Gene therapy is not acceptable for
 - A. Down syndrome
 - B. **Infertility**
 - C. Cystic fibrosis
 - D. Leukemia
 1. Biohardaz symbol was discovered by-----**developed in 1966 -Charles Baldwin**
 2. DNA contains all except-----.
 3. Which of the following is not the method for sterilization?
 4. Human stem cells are obtained from ----- cells.
 5. What would you do (i.e decision) with a woman who refuses the treatment which harmful to fetus.
 6. The serious brain fatal disease is caused at the age of -----.
 3. All are example of contamination zone except.....option a
 - a. b. Sealed rooms c. Sealed containers d. Personal containers.Forget the option but missing one was.
 4. Who proves Aristotle wrong.... **Thomom**
 5. Nurses profession consist of EXCEPT.....

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6. Patient has a right to.....

1. DNA is made up of all these except?

ecosystem consists of all of these except?

what is the mean of cybernetics?

if the condition of the patient is critical how much news give to the patient?

if a mother refuses the treatment what is the response of the physician?

which is not the component of the ecosystem?

1 . Public point view about the research except

3. Neurodegenerative incur in age **40**

Embryo have emotional , psychological , right to treat as human

5. All metal poison except **Gold**

6. To diagnosis the fetal tissuse which are required for diagnosis **Allantoic fluid , amiotic , chrion**

7. Type of allergy when used the fur of animal..... Hypersensitivity type 1 , 2 , 3 ,4

8. Dolly sheep suffered lack to walk, respiratory disorder etc

9. Reducing the folic acid Anemia , thalsisima

10. Development of ethic 1 as discipline , 2 intitualization or both

1. Staphylococcal enterotoxin b is..... **infectious agent.**

2. hESCs is used to..... **generate organs.**

3. DNA have no..... **ribose sugar**

4. Accident report prepared within **5 days.**

5. Following is not component of ACT..... **abuse of power.**

6. Cybernetics is a greek word which means..... **to govern**

7. Meta ethics is..... **theoretical**

8. Which forest is called climax forest? a. boreal forest **b. tropical forest** c. subtropical forest 4. coniferous forest

9. Which is not correct..... **patient who is mentally unstable have not any right at all**

10. Shortly after spillage which is priority..... **first aid to worker injury**

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Subjective

Steps of Patent Gene:

- isolate gene from rest of the DNA
- make a copy of it from mRNA population
- turn gene sequence into an invention
- not the gene itself but a copy made in the test tube

Moral theory:

- provide an account of truth and falsity of **moral judgments**
- provide an account of justification for moral views
- solution to a problem is to be convincing

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Current issues in environmental ethics

- Human-environment interaction/increase in human population
- Bioaccumulation-- biomagnification
- Ozone depletion
- Acid rain
- Green house gases

Biosafety:

Biosafety is the prevention of large-scale loss of biological integrity, focusing both on ecology and human health. These prevention mechanisms include conduction of regular reviews of the biosafety in laboratory settings, as well as strict guidelines to follow.

Biosafety is used to protect us from harmful incidents. High security facilities are necessary when working with Synthetic Biology as there are possibilities of bioterrorism acts or release of harmful chemicals and or organisms into the environment.

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A complete understanding of experimental risks associated with synthetic biology is helping to enforce the knowledge and effectiveness of biosafety. Biosafety is related to several fields like with ecology, agriculture, medicine, chemistry, exobiology, synthetic biology.

Types of Biosecurity:

- laboratory biosecurity programs
- animal biosecurity
- bioweapons

Patient rights/responsibilities

Responsibilities:

- give correct/complete **information**
- ask questions
- cooperate with your caregivers
- accept health consequences

Rights:

- respect and privacy

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- **quality care**
- **information and communication**
- **make decisions**

Nurse responsibilities

The nurse, in all professional relationships, practices with compassion and respect for the inherent dignity, worth, and uniqueness of every individual, unrestricted by considerations of social or economic status, personal attributes, or the nature of health problems.

- The nurse's primary commitment is to the patient, whether an individual, family, group, or community.
- The nurse promotes, advocates for, and strives to protect the health, safety, and rights of the patient.
- The nurse is responsible and accountable for individual nursing practice and determines the appropriate delegation of tasks consistent with the nurse's obligation to provide optimum patient care.
- The nurse owes the same duties to self as to others, including the responsibility to preserve integrity and safety, to maintain competence, and to continue personal and professional growth.
- The nurse participates in establishing, maintaining, and improving health care environments and

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conditions of employment conducive to the provision of quality health care and consistent with the

values of the profession through individual and collective action.

- The nurse participates in the advancement of the profession through contributions to practice, education, administration, and knowledge development.
- The nurse collaborates with other health professionals and the public in promoting community, national and international efforts to meet health needs.
- The profession of nursing value, for maintaining the integrity of the profession and its practice, and for shaping social policy.

Enlist Means of Trafficking:

- threat
- use of force
- abduction
- fraud
- abuse of power
- payments/benefits

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Genetic screening

Definition:

Genetic testing is "the analysis of chromosomes (DNA), proteins, and certain metabolites in order to detect heritable disease-related genotypes, mutations, phenotypes, or karyotypes for clinical purposes." It can provide information about a person's genes and chromosomes throughout life. Available types of testing include:

Newborn screening is used just after birth to identify genetic disorders that can be treated early in life. A blood sample is collected with a heel prick from the newborn 24-48 hours after birth and sent to the lab for analysis. Newborn screening varies state by state, but all states by law test for at least 21 disorders. If abnormal results are obtained, it does not necessarily mean the child has the disorder. Diagnostic tests must follow the initial screening to confirm the disease. The routine testing of infants for certain disorders is the most widespread use of genetic testing, millions of babies are tested each year in the United States.

Advantages of Gene patenting:

- **gene sequence is legitimate intellectual property**
- **companies ensure an appropriate return on research/development investment**

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- Vitamin A enhanced Golden rice

Biohazard:

Biohazard outbreaks from pathogens and infectious diseases occur every day in the U.S. and throughout the world from *Avian Influenza virus*, *HIV/AIDS*, *Hepatitis viruses*, *Norovirus (Norwalk virus)*, *Salmonella* bacteria, *Mycobacterim tuberculosis* bacteria, *Vibrio cholerae* bacteria (cholera), *MRSA* superbugs, *Plasmodium* parasites (malaria) and hundreds of other microorganisms.

Bacteria, viruses and parasites are responsible for the bulk of the 18.4 million deaths worldwide from communicable diseases in 2004 estimated by the World Health Organization plus additional deaths from non-communicable diseases and cancers.

Pathogens currently infects billions of people and trends indicate a rising number of pathogen deaths and infections from population growth in developing countries, urbanization, poor sanitation, broken water infrastructure, reduced food safety, globalization, international travel,

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extreme weather, and the rising costs of new drugs, vaccines and antibiotics. Many of these deaths are premature and preventable.

With advances in nanotechnology, biotechnology, information technology and wireless technology, new generations of low cost biosensors and early warning systems will provide a front line of defense against the transmission of deadly pathogens. It is easy to recognize the biggest threat to humankind. Just count the dead, the dying, environmental damage, and economic costs. The world record holder for human deaths is *Yersinia pestis*. This disease-causing bacterium killed as many as 75 to 100 million people during the Black Plague, or roughly 20% of the world's 450 million population in the 14th century.

Laboratories that generate biohazardous waste are responsible for:

1. Ensuring that the waste is either correctly treated and disposed of within the lab, or is properly packaged and transported to the appropriate treatment facility within the Center;

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2. Packaging the waste as directed to prevent exposure or injury (needlesticks, cuts) to anyone handling the waste; and
3. Labeling the waste with the generator's name and the room number of the lab where the waste was generated

Ethical issues of Cybernetics:

- Machines are in charge of key human functions
- Wealthy ones can communicate through cybernetics
- Implant are safe to use
- Senses and impulses –transmitted in a harmful way
- can the senses be patented
- Who regulates?

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Remember me in you Precious Prayer

Jazak Allah

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