

**DEPARTMENT OF GENETICS**  
**UNIVERSITY OF KARACHI**

**SAMPLE TEST PAPER FOR DIPLOMA IN APPLIED GENETICS**

Max marks: 50

<b>Name:</b>
<b>Father's Name:</b>
<b>Seat No:</b>
<b>Signature</b>

- **Do not turn the page over until the proctor gives you the permission to do so.**
- **Please read the instructions given below.**

**Instructions:**

1. Use the answer sheet provided for answering the questions.
2. Use permanent ink.
3. Write down your name, father's name and Seat number clearly on the spaces provided on the answer sheet.
4. The one most appropriate choice should be shaded completely.

21.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input checked="" type="radio"/>	correct
22.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input checked="" type="radio"/>	wrong
23.	<input type="radio"/> A	<input checked="" type="radio"/>	<input type="radio"/> C	<input type="radio"/>	wrong
24.	<input type="radio"/> A	<input checked="" type="radio"/>	<input type="radio"/> C	<input checked="" type="radio"/>	wrong

5. Any markings on the answer choices that cause ambiguity will be taken as a wrong answer.

1. Which of the following is not one of the four nucleotide bases of DNA A adenine B cytosine C glycine D thymine
2. The laws of inheritance of biological features were first proposed by A Watson and Crick B Gregor Mendel C Charles Darwin D Plato
3. Cholesterol belongs to a class of organic molecules known as A lipids B proteins C carbohydrates D minerals
4. Which of the following will have genetic material that is exactly the same A Identical twins B Two brothers C Father and son D Mother and daughter
5. The first step in protein synthesis is polymerization of A Nucleotide bases B Chromosomes C Cell wall D Amino acids
6. Chromosomes are present in the _____ of a eukaryotic cell. A Lysosomes B Nucleus C Cell wall D Golgi apparatus

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