

Restriction enzymes more commonly used belong to ____ group.

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☐ | Exonucleases |
| ☐ | Exo-Endo |
| ☒ | Typell endonucleases |
| ☐ | Typel endonucleases |

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Molecular Detection methods can facilitate in detection of ____ in plants, animals and environment

Select the correct option

- ☐ trace element
- ☐ radioactive elements
- ☐ pigments
- ☒ pathogens

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_____tools have also allowed to perform prenatal genetic diagnosis

Select the correct option

☒	Molecular
☐	Microbiology
☐	Histology
☐	Radiology



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A recognition sequence usually ranges from ____ bases

Select the correct option

☐

4-12

☐

6-8

☒

4-8

☐

4-6

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Enzyme that catalyzes the template dependent synthesis of DNA is known as

Select the correct option

☒ DNA polymerase

☐ RNA polymerase

☐ Helicase

☐ None of the given options



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Enzyme that creates phosphodiester bond between 3' end of one DNA segment and the 5' another is known as

Select the correct option

☐ DNA polymerase

☐ DNA helicase

☒ DNA ligase

☐ RNA polymerase



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_____enzymes have symmetrical recognition sequences but are of little value

Select the correct option

☐ Type III

☐ Exonucleases

☐ Type II

☒ Type I

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Sequences of nucleotides which have a twofold axis of rotational symmetry is known as____

Select the correct option

- ☐ binding site
- ☐ restriction site
- ☐ recognition site only
- ☒ Palindrome

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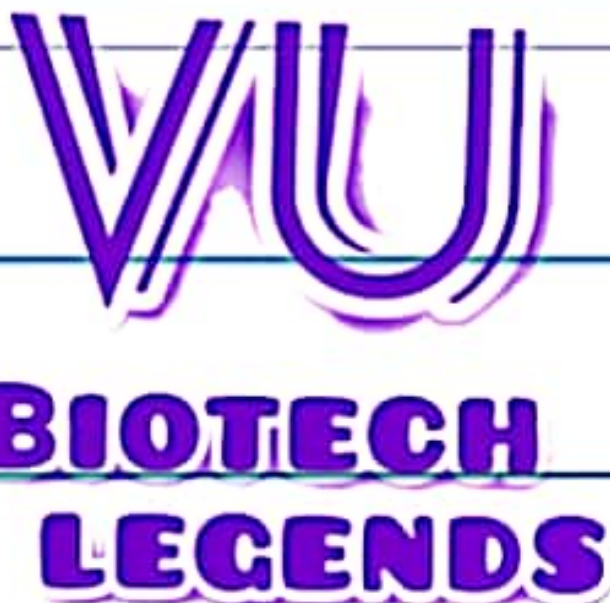
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|----------------------------------|---------------------------|
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| ☐ | RNA polymerase |
| ☐ | Helicase |
| ☐ | None of the given options |



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Genomic fingerprinting is a ____ medicine technique used to identify individuals by characteristics of their DNA

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Alternative |
| ☐ | Toxicology |
| ☐ | Regenerative |
| ☒ | Forensic |



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Endonucleases are classified in to ____ main classes

Select the correct option

☐

2

☐

3

☒

4

☐

6

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