

MCQS WITH ANSWER (DNA FINGERPRINTING)



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Q. DNA finger printing was developed by

a)Francis Crick

b)Khorana

c)Alec Jeffery

d)James Watson

Answer – Alec Jeffery

Q. The technique to distinguish the individuals based on their DNA print pattern is called

a)DNA fingerprinting

- b) DNA profiling**
- c) Molecular fingerprinting**
- d) All of these**

Answer – All of these

Q. PCR, or polymerase chain reaction, does what to a DNA sample?

- a) Cuts STRs with restriction enzymes**
- b) Replicates and amplifies the DNA**
- c) Draws the shorter fragments to the positive pole faster**
- d) Creates RFLPs**

Answer - Replicates and amplifies the DNA

Q. DNA finger printing relies on

- a) Difference in patterns of genes between individuals**
- b) Difference in order of genes between individuals**
- c) Difference in junk DNA patterns between individuals**
- d) All of these**

Answer – Difference in junk DNA patterns between individuals

Q. Minisatellites are

- a) 10-40 bp sized short sequences within the genes**
- b) Short coding repetitive region on the eukaryotic genome**
- c) Short non coding repetitive sequence present through out the chromosome**
- d) Regions of chromosomes after secondary constriction**

Answer - Short non coding repetitive sequence present through out the chromosome

Q. DNA profiling is used

- a) In forensic studies and in cases of disputed parentages**
- b) In pedigree analysis and to study migration pattern**
- c) To conform cell line identity**
- d) All of these**

Answer - All of these

Q. The DNA fingerprinting pattern of child is

- a) Exactly similar to that of both the parents**
- b) 100% similar to the father's DNA print**
- c) 100% similar to the mother's DNA print**
- d) 50% bands similar to father and rest similar to mother**

Answer - 50% bands similar to father and rest similar to mother

Q. Which of the following technique is used in DNA fingerprinting

- a) Western blotting**
- b) Flow cytometry**
- c) Northern blotting**
- d) Southern blotting**

Answer - Southern blotting

Q. Short stretches of DNA used to identify complementary sequence in a sample is called

a) Probes

b) Markers

c) VNTRs

d) Minisatellites

Answer – Probes

Q. Which tissue sample are used for DNA fingerprinting

a) Hair

b) Skin

c) Blood

d) Any of the above

Answer - Any of the above

THANK

YOU