

**BIOL2114\_1010**

**10. Multiple-Choice Questions**

1. The polyomavirus often replicates in epithelial because it attached to
  - a. host's telomerase, produces telomerase proteins
  - b. telomerase joined telomeres
  - c. make DNA from RNA template
  - d. binds to a specific DNA**
  - e. viral telomerase genes
2. Examples of cloning vectors are
  - a. the plasmids that cut DNA into restriction fragments
  - b. a DNA protein used to locate specific genes in the genome
  - c. plasmids used to replicate DNA in a host cell**
  - d. the laboratory apparatus used to clone genes
  - e. the synthesis of a microorganism
3. Information obtained from the experiments by Roberts/Bedard the bacteriophage
  - a. lambda phage, lambda
  - b. T4 phage
  - c. DNA sequencing
  - d. restriction enzymes
  - e. restriction enzyme**
4. The following enzyme is responsible for making the holes to insert with recombinant DNA technology in plasmid cells
  - a. DNA
  - b. Bam**
  - c. PstI
  - d. HindIII
  - e. EcoRI**
5. The following are the objectives of human genome project (HGP)
  - a. identify genes in human genome
  - b. identify drugs to cure some genetic diseases
  - c. identify all human genetic code using genetic engineering**
  - d. identify drug targets used for genetic diseases
  - e. make the data available to all public and scientists
6. It is possible to separate genes from other species to produce species because
  - a. all organisms contain same genes
  - b. one gene codes all organisms
  - c. all organisms use the universal codons and express the genes**
  - d. each organism has its own codons for their proteins
  - e. all organisms have same or similar proteins