General Biology: Assignment 1 (B) *Biological Inventions* Total Points: 100

Name: Miracale Miles Date:9/9/2020

Edward Jenner	Charles Best	Baruch Blumberg
Francis Crick	Charles Drew	Sir Alexander Fleming
Benjamin Franklin	Garrett Morgan	Louis Pasteur
Wilhelm Conrad Rontgen	Albert Sabin	Jonas Salk

PART ONE (24 pts)

Match the invention with the inventors from the list above. Indicate the inventor by writing out the complete name from the listed names above next to the inventions below.

1. X-ray	1. Wilhelm Roentgen
2. Structure of DNA	2. Francis Crick
3. Insulin	3. Sir Frederick Banting
4. Small Pox Vaccine	4. Edward Jenner
5. Blood Bank	5. Charles Drew
6. Oral Polio Vaccine	6. Jonas Salk
7. Gas Mask	7. Garrett Morgan
8. Penicillin	8. Sir Alexander Fleming
9. Rabies Vaccine	9. Louis Pasteur
10. Hepatitis B Vaccine	10. Pablo DT Valenzuela
11. Bifocal Lens	11. Benjamin Franklin
12. Polio Vaccine	12. Albert Sabin

PART TWO (50 pts)

Conduct an internet search and provide the following information. Please write clearly.

1. Inventor: Edward Jenner.
   One biological invention: Smallpox Vaccine
2. Year of Invention: 1796
3. One use of the invention: He used this invention on milkmaids who had gotten cowpox.
4. Inventor: Pablo DT Valenzuela
5. One biological invention: Hepatitis B Vaccine.
   Year of Invention: 1981
6. One use of the invention: For human use against Hepatitis B when the virus occured
7. Inventor: Charles Best.
   One biological invention: Insulin
   Year of Invention: 1922
8. One use of the invention: Used for people who have diabetes to help regulate their blood sugar

9. Inventor: Albert Sabin
   One biological invention: Inactivated Polio Vaccine (IPV).
   Year of Invention:1955
   One use of the invention: inactivated (killed) poliovirus strains of all three poliovirus types.

10. Inventor: Louis Pasteur
11. One biological invention: Pasteurization.
    Year of Invention: 1862
12. One use of the invention: heating milk to a particular temperature for a set amount of time in order to remove microorganisms.

PART THREE (26 pts)

Answer the following questions.

1. What is Apgar Scale (score) and how does it work? (20 pts)
   Answer: It is a test performed on a baby one to five minutes after birth. This method is used to see how well the baby did during the birthing process

2. Who invented Apgar Scale (score) ? (6 pts)

Answer: Dr. Virginia Apgar