SCIENCE – EXERCISES, REVISION

E1) QUESTIONS ON THE TEXT

1. What does modem industry depend on?
2. What inventions augmented muscle power?
3. What phenomena stimulated the Industrial Revolution?
4. When did electricity begin to be used and why is it convenient?
5. Which inventors and scientists affected the use of electricity?
6. Why was the invention of the internal-combustion engine so important?
7. What are the current and future energy sources?
8. How did materials change throughout human development?
9. What synthetic materials were developed and when?
10. What kind of machinery helped in the production process?
11. When and where was automation used for the first time?
12. What inventions and discoveries changed human life and how?
13. What do you know about space flights?
14. What problems of mankind should science and technology solve?
15. Do you know of any abuses of scientific achievements?

E2) ASSOCIATE EACH INVENTION OR IDEA WITH A NAME:

1. Pasteurization (process of making dairy products free of micro organisms
2. Ships' screw propeller
3. Dynamite
4. Radioactivity
5. Arc lamp
6. Space travel
7. Lightning conductor
8. Soft contact lens
9. Petrol-driven car
10. The sun is the centre of the solar
11. First circumnavigation of the world
12. Polarography
13. Free association method and interpretation of dreams
14. Internal-combustion engine
15. Development of the atomic bomb
16. The first successful powered flight (1903)
17. Founder of genetics
18. Four blood groups

a) Galileo Galilei (1564-1642)
b) František Křižík (1847-1941)
c) Georg Johann Mendel (1822-1884)
d) Louis Pasteur (1822 – 1895)
e) Alfred Nobel (1833-1896)
f) Orville Wright (1871-1948), Wilbur Wright (1867-1912)
g) Gottlieb Daimler (1834-1900), Karl Benz (1844-1929)
h) Otto Wichterle (1913-)
i) Julius Robert Oppenhaimer system (1904-1967)
j) Ferdinand Magellan (1480-1521)
k) Sigismund Freud (1865-1939)
l) Jan Janský (1873-1921)
m) Nicolaus August Otto (1832-1891)
n) Josef Ressel (1793-1857)
o) Jaroslav Heyrovský (1890-1967)
p) Yuri Gagarin (1934-1968)
q) Prokop Diviš (1696-1765), Benjamin Franklin (1706-1790)
r) Marie Curie (1867-1934), Pierre Curie (1959-1906)