**MICROECONOMICS IV.-V.**

1. Calculate the Px price if the consumer's income is I = 216, the maximum amount of the used property X = 6 and the price Py = 18:
2. The student spends all the pocket money for books (X) and snack (Y). The market price of the book (PX) is 350 CZK, the price of the snack (PY) is 55 CZK. Furthermore, you know that budget line is beginning on the y-axis in value of the 21. How much is the amount of a student's pocket money?
3. Demand for the good is given by the equation Q = 200 - P and supply is given by the equation Q = 50 + 1 / 2P. What is the equilibrium price and the equilibrium quantity?
4. Come out of the previous Example 3. What occurs when the market price of CZK 70 and above what amounts?
5. Total utility function is given by TU = 24X - X2. What values achieved marginal utility (MU) while consuming 12 units of X goods?
6. The figure shows the following situation:

Y

X

**BL2**

50

20

**BL1**

40

1. The following figure shows the indifference curve for:

Y

X

**IC**

1. Find out at what amount a consumer maximizes your benefit if you know the function of total utility:

TU = 72X – 3X2.

1. It is given a function of total utility TU = 45X - X2. At what level of consumption the total benefit will decrease?
2. Thomas likes plum dumplings, while his total utility function of the consumption of these dumplings is given by TU = 20D – D2. Determine what is the marginal utility of Thomas when he eats seventh of plum dumplings.
3. **What is consumer optimum?**
4. **The figure of consumer optimum**
5. **Mathematical expression of consumer optimum.**