**Earth Resources Management**

**Integrated subject ERM\_BC.**

**Circle of questions 2024/25**

1. Traditional energy sources - business and trade - coal

a. coal deposits and reserves

b. consumers and coal consumption

c. Coal trading and prices

d. coal extraction technologies - overview

1. Traditional energy sources - business and trade - oil and gas

a. oil and gas deposits and reserves

b. consumers and consumption of oil and gas

c. trading and prices of oil, natural gas

d. oil and gas extraction technologies - overview

1. Characteristics of mining enterprises in the Slovak Republic

a. Definition of enterprises by legal form, size with regard to mining enterprises

b. property and capital construction of enterprises

c. Characteristics of production factors of industrial enterprises in the Slovak Republic d. Characteristics of specifics of entrepreneurship in the national economy of the Slovak Republic

1. Characteristics of mineral raw materials in the national economy of the Slovak Republic
   1. mineral resources and classification of NS deposits
   2. stocks of NS on the territory of the Slovak Republic

c. the position of the NS in the national economy of the Slovak Republic

d. import, export, trade balance with NS

5. Surface mining methods

a. characteristics of the extraction methods - cyclic and continuous methods

b. the use of mining methods - opening, uncovering, processing

c. quarrying machinery and equipment

d. impacts of the use of methods on the quality of the environment

6. Mineral investment and valuation

a. the meaning of the UN classification of NS stocks

b. feasibility studies - expert study, prefeasibility study, feasibility study

c. Mining investment analysis, its basic levels of project analysis and economic decision-making tools

d. economic variables of the project - CF, NPV, Payback period, IRR

7. Characteristics of macroeconomic indicators in the Slovak economy

a. characteristics and evolution of GDP and GNP

1. characteristics and development of registered unemployment , registered employment
2. market characteristics and production factors
3. characteristics and development of SMEs in the Slovak economy

8. The life cycle of a mining enterprise

a. Establishment - legislation, investments, assets, staffing, market analysis

b. growth and stabilization - market research, sales promotion methods, sales tools, possible risks, assessment of financial health, market position, market position maintenance, product, finance, assets, assessment of economic efficiency, prediction of future development

c. Stabilization -Crisis, decline, decline - reasons, causes, solutions

d. consolidation or dissolution - object and form of dissolution, possibilities of consolidation

9. Management of a mining enterprise

a. levels of management of the mining enterprise, organizational relations

b. characteristics of management activities (organising, directing, planning, controlling, motivating)

c. the decision-making process

d. organisational structure

10. Impact of NS mining and processing on the environment in Slovakia

a. mining and processing technologies and their impact on the environment

b. heavy metals, their impact on the quality of the environment and human health

c. legislative aspects of the impact of mining

d. economic aspects of the impact of mining

11. Analysis of the management of a mining enterprise

a. efficiency and productivity of the enterprise

b. selected indicators of financial analysis - liquidity, profitability, indebtedness, activity

c. characteristics of the result of the mining enterprise

d. environmental costs, their potential for reduction and their impact on the economic outturn

1. Environmental aspects of the earth resources business

a. General characteristics of the DPSIR chain

b. environmentally responsible business conduct

c. Principles and principles for the sustainable use of the earth's resources

d. strategic documents and basic regulations of environmental law at the level of the Slovak Republic and the EU

13. Marketing of mineral raw materials

a. marketing environment - micro and macro environment

b. essence and objectives of marketing strategy -business portfolio strategy

c. measurement of current market demand, forecast of future market demand

d. pricing and sales promotion