

NATIONAL AVIATION UNIVERSITY

APPROVED BY

Head of the Department of Management of FEA

_____ Novak V.O.
« ___ » _____ 2016

Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 1

1. Business Economics as a branch of economic science
2. The essence of depreciation of the fixed assets and regulatory aspects of its calculation
3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of accelerated reduction of the residual value and by the cumulative method.

4. Solve the problem:

Determine the turnover coefficient of current assets and the duration of one turnover if the annual amount of sold products is equal to 6000 UAH., and average-quarterly normative standard of current assets respectively is equal to 620, 630, 640 and 650 thousand UAH.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 2

1. Enterprise as the main link of the economy
2. Methods of depreciation of fixed assets: production and uniform
3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of reduction of the residual value and by the straight-line method.

4. Solve the problem:

Usable area of the assembly shop is 300 m². Width of the product is 3 m and the length - 4 meters. Working area for assembly of one product is 40% of the total area of the product. Cycle time for assembly of one product is 7 days. Annual Fund of working time for assembly shop is 240 days / year. Determine the production capacity of the assembly shop for the electrical company.

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MODULE TEST №1

Variant 3

1. The legal basis of the enterprise activity
2. Methods of depreciation accrual of fixed assets:: a method of reducing of the residual value and cumulative method.
3. Solve the problem:

Production program of metallurgical enterprise is characterized by the following data: finished products - 32630 thousand UAH, items of cultural- household purpose and economic consumption - 305 thousand UAH, works of industrial nature services and works performed to the side - 250 thousand UAH, value of the spare parts, released to the side - 200 thousand UAH, instruments and spare parts for own needs of the enterprise at the beginning of the year - 130 thousand UAH, and at the end of the year - 140 thousand UAH, remnants of finished products in a warehouse at the beginning of the period - 100 thousand UAH, and at the end of the period - 80 thousand UAH. Calculate the volume of sold products.

4. Solve the problem:

Determine the turnover coefficient of current assets and the duration of one turnover if the annual amount of sold products is equal to 6000 UAH., and average-quarterly normative standard of current assets respectively is equal to 620, 630, 640 and 650 thousand UAH.

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MODULE TEST №1

Variant 4

1. Classification of enterprises: according the purpose, nature of activities, as well as according belonging to a certain industry- functional form
2. Indicators of reproduction and usage of fixed assets
3. Solve the problem:

On the beginning of the year, the value of fixed assets of the airline is 1000 thousand UAH. In June fixed assets were purchased to the sum of 250 thousand UAH, in October - 35 thousand UAH. In the May from the balance sheet of the airline fixed assets were withdrawn to the sum of 45 thousand UAH, and in September - 30 thousand UAH. Determine the the average annual cost of fixed assets of the airline and the fixed assets cost at the end of the year.

4. Solve the problem:

The average annual cost of fixed assets during the reporting period is 3 mln.UAH, volume of sold products is 900 thousand tons. Wholesale price per 1 tonne – 2000 UAH. According to the plan it is envisaged to increase output by 12%. Determine the fixed –asset turnover ratio in the reporting and planning period.

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MODULE TEST №1

Variant 5

1. Classification of enterprises according to the form of ownership
2. Concept, types and forming factors of production capacity of the enterprise
3. Solve the problem:

Three years ago the company purchased and introduced into operation equipment with initial cost of 40 thousand UAH. The sum of annual depreciation of equipment - 6 thousand UAH. The average annual growth rate of labor productivity in the economy is 0.8%. Determine the replacement cost of existing equipment considering its depreciation.

4. Solve the problem:

Determine the production capacity of section and annual number of spare parts processed on the machine tools of this a section of the car company. In the section there are 10 machines. The complexity (productivity) of processing one spare part on one machine takes 30 minutes. The section works in 2 shifts, the duration of one shift - 8 hours. Fund of working time - 320 days. Regulated downtime make up 8% of the operation time of the equipment. The utilization coefficient of machine tools is 0.78.

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MODULE TEST №1

Variant 6

1. Classification of enterprises according to the legal status and organizational-legal form.
2. Indicators of usage of enterprise's production facilities
3. Solve the problem:

The volume of gross output of enterprises in wholesale prices is 6 million UAH. The cost of the basic materials used for the manufacture of products - 1,5 mln.UAH, The cost of purchased semi-finished products and component parts - 0,7 mln.UAH, depreciation charges - 0.5 mln.UAH. Calculate the volume of net and conditionally net production of the enterprise.

4. Solve the problem:

In the current year according to the plan sum of normalized working capital of the company was 100 thousand UAH. The duration of one working capital turnover is 35 days. In fact, the volume of sold products increased by 10%. Determine for how many days will decrease the time of one turnover at the same value of normalized working capital.

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MODULE TEST №1

Variant 7

1. Classification of enterprise associations
2. Ways of improving the usage efficiency of production capacity of the enterprise
3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of accelerated reduction of the residual value and by the cumulative method.

4. Solve the problem:

How will change the volume of production, if the number of employees has increased by 5 people, and productivity of workers increased by 3 (*thousand UAH / person*). If the number of employees - 180 people, labor productivity - 20 (*thousand UAH /person*).

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MODULE TEST №1

Variant 8

1. Specific principles and types of planning
2. Composition and structure of the current assets of enterprises
3. Solve the problem:

Determine the production capacity of workshop and its production program. The average duration of one melting process of raw materials is 0.5 hours, the duration of shifts - 8 hours, working time - three shifts. Number of non-working days in the period - 70 days and lost time - 15%. Weight of raw material that is loaded into the blast furnace at one time - 80 tons. Production capacity of the enterprise is determined by the capacity of 8 blast furnaces, the capacity utilization coefficient is 0.75.

4. Solve the problem:

Determine the general coefficient of equipment depreciation, which was put into operation five years ago. Its initial cost is 40 thousand UAH., the cost of the next capital repair - 20 thousand UAH, the average annual growth in labor productivity of the country - 4%.

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MODULE TEST №1

Variant 9

1. Methods of planning at the enterprise
2. Rationing of current assets
3. Solve the problem:

The enterprise uses equipment that was purchased 4 years ago at a price of 1900 UAH. Taking into account technological features and operation mode of the enterprise is expected that the equipment will operate 9 years. Today, the price of such equipment is 1750 UAH. Determine the degree of equipment depreciation of the company.

4. Solve the problem:

Cannery planned to make in the plan-year 150 thousand conditional tins of canned vegetables, including premium sort - 60% of the total volume. Price per unit of first sort - 1.8 UAH., and for the price of the premium sort surcharge of 15% is setted. Determine the coefficient of production grading of the factory in the plan-year and it's change in comparison to the reporting, if the reported year coefficient of grading was 0.96.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 10

1. The essence and components of the enterprise's business plan
2. Indicators of usage of enterprise's current assets
3. Solve the problem:

Basic products of enterprise are planned in the volume of 630 mln. UAH, services of industrial character, carried out to the side - 63 mln.UAH. Cost of component elements in the planning period - 65 mln.UAH, including 45% for self-manufacturing. Size of work in progress manufacturing at the end of the period increased by 43 mil. UAH. Remains of finished products in a warehouse at the beginning of the period - 85 mln.UAH, and at the end of the period - 30 mln.

4. Solve the problem:

Define productivity growth in conditionally - natural measurements for the data presented in the table below:

Product	Amount of products		Labour input per one product
	plan	fact	
A	120	125	30
B	270	250	25
C	650	640	10
D	250	260	20

The number of employees does not change.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 11

1. Tactical and operational planning at the enterprise
2. The economic essence of labour productivity.
3. Solve the problem:

The initial cost of the equipment was 25000 UAH. In the April fixed assets were put in the amount of 20000 UAH., and in November in the amount of 35000 UAH. In the May fixed assets were put in the amount of 31000hrn. Calculate the average annual value of fixed assets and determine what processes go more quickly - update or disposal of fixed assets .

4. Solve the problem:

Identify the needs of enterprise in ferrous metals and their minimum, maximum and average inventory, if the period of delivery is 20 days, disruption delivery period - 2 days.

Spare part	Net weight, kg	The utilization coefficient of metal	Annual output, thsd pcs.
1	150	0,6	6
2	130	0,8	8
3	146	0,7	3

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 12

1. General characteristics of capital of the enterprise
2. Directions of increasing efficiency of production facilities (capacity) usage
3. Solve the problem:

In the reporting year the volume of production amounted to 30 mln.UAH / year, and the complexity (productivity) of the production program of this year decreased in comparison to baseline by 1200 pers.-days. Annual output in the baseline year was 140 thousand. / pers. per year. Determine the output per worker in the reporting year, knowing that this year contains 250 working days.

4. Solve the problem:

Determine the output coefficient of finished products and detect reserves to increase the volume of output in the way of more rational use of raw materials. The actual weight of the raw materials, that was received into production - 400 tons. Finished product weight - 150 tons. The output coefficient of finished products in the base year - 0.35.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 13

1. Fixed assets of the enterprise: concept, nature and characteristic features
2. Concept and types of wages.
3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of accelerated reduction of the residual value and by the cumulative method.

4. Solve the problem:

Determine the turnover coefficient of current assets and the duration of one turnover if the annual amount of sold products is equal to 6000 UAH., and average-quarterly normative standard of current assets respectively is equal to 620, 630, 640 and 650 thousand UAH.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 14

1. Classification of the (enterprise)fixed assets .
2. Functions and principles of labor remuneration
3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of reduction of the residual value and by the straight-line method.

4. Solve the problem:

Usable area of the assembly shop is 300 m². Width of the product is 3 m and the length - 4 meters. Working area for assembly of one product is 40% of the total area of the product. Cycle time for assembly of one product is 7 days. Annual Fund of working time for assembly shop is 240 days / year. Determine the production capacity of the assembly shop for the electrical company.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 15

1. The legal basis of the enterprise
2. Concept, types and forming factors of production capacity of the enterprise
3. Solve the problem:

Production program of metallurgical enterprise is characterized by the following data: finished products - 32630 thousand UAH, items of cultural- household purpose and economic consumption - 305 thousand UAH, works of industrial nature services and works performed to the side - 250 thousand UAH, value of the spare parts, released to the side - 200 thousand UAH, instruments and spare parts for own needs of the enterprise at the beginning of the year - 130 thousand UAH, and at the end of the year - 140 thousand UAH, remnants of finished products in a warehouse at the beginning of the period - 100 thousand UAH, and at the end of the period - 80 thousand UAH. Calculate the volume of sold products.

4. Solve the problem:

Determine the turnover coefficient of current assets and the duration of one turnover if the annual amount of sold products is equal to 6000 UAH., and average-quarterly normative standard of current assets respectively is equal to 620, 630, 640 and 650 thousand UAH.

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MODULE TEST №1

Variant 16

1. The concept of strategic planning, strategies and missions
2. Characteristics of the main models of market economy
3. Solve the problem:

On the beginning of the year, the value of fixed assets of the airline is 1000 thousand UAH. In June fixed assets were purchased to the sum of 250 thousand UAH, in October - 35 thousand UAH. In the May from the balance sheet of the airline fixed assets were withdrawn to the sum of 45 thousand UAH, and in September - 30 thousand UAH. Determine the average annual cost of fixed assets of the airline and the fixed assets cost at the end of the year.

4. Solve the problem:

The average annual cost of fixed assets during the reporting period is 3 mln.UAH, volume of sold products is 900 thousand tons. Wholesale price per 1 tonne – 2000 UAH. According to the plan it is envisaged to increase output by 12%. Determine the fixed –asset turnover ratio in the reporting and planning period.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 17

1. Types characteristics of economic societies in Ukraine
2. General characteristics of capital of the enterprise and its basic types.
3. Solve the problem:

Three years ago the company purchased and introduced into operation equipment with initial cost of 40 thousand UAH. The sum of annual depreciation of equipment - 6 thousand UAH. The average annual growth rate of labor productivity in the economy is 0.8%. Determine the replacement cost of existing equipment considering its depreciation.

4. Solve the problem:

Determine the production capacity of section and annual number of spare parts processed on the machine tools of this a section of the car company. In the section there are 10 machines. The complexity (productivity) of processing one spare part on one machine takes 30 minutes. The section works in 2 shifts, the duration of one shift - 8 hours. Fund of working time - 320 days. Regulated downtime make up 8% of the operation time of the equipment. The utilization coefficient of machine tools is 0.78.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 18

1. Initial, replacement (renewable), balance, residual, liquidating, market and fair value of fixed assets
2. Tariff system, its content, purpose and use by the company
3. Solve the problem:

The volume of gross output of enterprises in wholesale prices is 6 million UAH. The cost of the basic materials used for the manufacture of products - 1,5 mln.UAH, The cost of purchased semi-finished products and component parts - 0,7 mln.UAH, depreciation charges - 0.5 mln.UAH. Calculate the volume of net and conditionally net production of the enterprise.

4. Solve the problem:

In the current year according to the plan sum of normalized working capital of the company was 100 thousand UAH. The duration of one working capital turnover is 35 days. In fact, the volume of sold products increased by 10%. Determine for how many days will decrease the time of one turnover at the same value of normalized working capital.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 19

1. The essence of the enterprise assets and their place in the resource providing activities system.
2. Crediting as a forming mechanism of enterprise borrowed capital : concepts, principles, objectives (tasks)

3. Solve the problem:

The initial cost of equipment on aircraft repair plant is 100 thousand UAH. The normative service life - 5 years. The liquidation value of the equipment according to the previous estimate is equal to 25 thousand UAH. Calculate the total depreciation deductions by the method of accelerated reduction of the residual value and by the cumulative method.

4. Solve the problem:

How will change the volume of production, if the number of employees has increased by 5 people, and productivity of workers increased by 3 (*thousand UAH / person*). If the number of employees - 180 people, labor productivity - 20 (*thousand UAH /person*).

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 20

1. Intangible assets of the company: the nature, purpose, features of the formation and reproduction
2. Content, objectives and place of the production program in the economic system plans of the company.

3. Solve the problem:

Determine the production capacity of workshop and its production program. The average duration of one melting process of raw materials is 0.5 hours, the duration of shifts - 8 hours, working time - three shifts. Number of non-working days in the period - 70 days and lost time - 15%. Weight of raw material that is loaded into the blast furnace at one time - 80 tons. Production capacity of the enterprise is determined by the capacity of 8 blast furnaces, the capacity utilization coefficient is 0.75.

4. Solve the problem:

Determine the general coefficient of equipment depreciation, which was put into operation five years ago. Its initial cost is 40 thousand UAH., the cost of the next capital repair - 20 thousand UAH, the average annual growth in labor productivity of the country - 4%.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 21

1. The concept of capacity and resource potential of the company.
2. Motivation forms of workers
3. Solve the problem:

The enterprise uses equipment that was purchased 4 years ago at a price of 1900 UAH. Taking into account technological features and operation mode of the enterprise is expected that the equipment will operate 9 years. Today, the price of such equipment is 1750 UAH. Determine the degree of equipment depreciation of the company.

4. Solve the problem:

Cannery planned to make in the plan-year 150 thousand conditional tins of canned vegetables, including premium sort - 60% of the total volume. Price per unit of first sort - 1.8 UAH., and for the price of the premium sort surcharge of 15% is setted. Determine the coefficient of production grading of the factory in the plan-year and it's change in comparison to the reporting, if the reported year coefficient of grading was 0.96.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 22

1. Main directions for increasing the efficiency of resource potential of the company
2. Labour resources of the company and characteristics of their types
3. Solve the problem:

Basic products of enterprise are planned in the volume of 630 mln. UAH, services of industrial character, carried out to the side - 63 mln.UAH. Cost of component elements in the planning period - 65 mln.UAH, including 45% for self-manufacturing. Size of work in progress manufacturing at the end of the period increased by 43 mil. UAH. Remains of finished products in a warehouse at the beginning of the period - 85 mln.UAH, and at the end of the period - 30 mln.

4. Solve the problem:

Define productivity growth in conditionally - natural measurements for the data presented in the table below:

Product	Amount of products		Labour input per one product
	plan	fact	
A	120	125	30
B	270	250	25
C	650	640	10
D	250	260	20

The number of employees does not change.

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 23

1. Factors influencing the efficiency of production capacity, their classification and characteristics.
2. The minimum wage and factors that determine it.
3. Solve the problem:

The initial cost of the equipment was 25000 UAH. In the April fixed assets were put in the amount of 20000 UAH., and in November in the amount of 35000 UAH. In the May fixed assets were put in the amount of 31000hrn. Calculate the average annual value of fixed assets and determine what processes go more quickly - update or disposal of fixed assets .

4. Solve the problem:

Identify the needs of enterprise in ferrous metals and their minimum, maximum and average inventory, if the period of delivery is 20 days, disruption delivery period - 2 days.

Spare part	Net weight, kg	The utilization coefficient of metal	Annual output, thsd pcs.
1	150	0,6	6
2	130	0,8	8
3	146	0,7	3

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Discipline «**Management of economic activity of the enterprise**»

MODULE TEST №1

Variant 24

1. Methods of depreciation accrual of fixed assets: a method of reducing of the residual value and cumulative method.
2. Staff list, its purpose and order of it's preparation. Planning Methods of the wage fund
3. Solve the problem:

In the reporting year the volume of production amounted to 30 mln.UAH / year, and the complexity (productivity) of the production program of this year decreased in comparison to baseline by 1200 pers.-days. Annual output in the baseline year was 140 thousand. / pers. per year. Determine the output per worker in the reporting year, knowing that this year contains 250 working days.

4. Solve the problem:

Determine the output coefficient of finished products and detect reserves to increase the volume of output in the way of more rational use of raw materials. The actual weight of the raw materials, that was received into production - 400 tons. Finished product weight - 150 tons. The output coefficient of finished products in the base year - 0.35.

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