**ФГБОУ ВО Астраханский ГМУ Минздрава России**

**Кафедра фармакогнозии, фармацевтической технологии и биотехнологии**

**Перечень заданий по дисциплине**

**Природные источники получения лекарственных средств**

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| --- | --- | --- |
| **Вид** | **Код** | **Текст названия трудовой функции/ вопроса задания/ вариантов ответа** |
| Ф | A/05.7 | Manufacturing of medicinal products in the conditions of pharmacy organizations |
|  |  |  |
| К | ПК-1 | The ability to use the basic laws of natural science disciplines in professional activities, to apply the methods of mathematical analysis and modeling, theoretical and experimental research |
| К | ПК-22 | Ability to participate in scientific research. |
|  |  |  |
| В | 001 | Alkaloids are ... |
| О | А | nitrogen-containing natural compounds of a basic nature. |
| О | Б | specific proteins present in all living cells and playing the role of biological catalysts. |
| О | В | polyphenolic substances that form precipitates with heavy metal salts. |
| О | Г | polyphenolic substances capable of precipitating proteins from solutions. |
|  |  |  |
| В | 002 | What is the basis for the classification of alkaloids? |
| О | А | structure of the main carbon-nitrogen cycle or the position of nitrogen in a molecule |
| О | Б | structural features of hydrolysis products |
| О | В | the number of isoprene units in the molecule |
| О | Г | oxidation state, the presence of substituents in the phenylpropane fragment |
|  |  |  |
| В | 003 | Which families are richest in alkaloids? |
| О | А | poppy |
| О | Б | Malvaceae |
| О | В | plantain |
| О | Г | luciferous |
|  |  |  |
| В | 004 | Mark medicinal raw materials containing alkaloids: |
| О | А | lily of the valley leaves (Folium Convallariae) |
| О | Б | nettle leaves (Folium Urticae) |
| О | В | henbane leaves (Folium hyoscyami) |
| О | Г | dandelion roots (Radix Taraxaci) |
|  |  |  |
| В | 005 | What alkaloid is contained in belladonna herb raw material? |
| О | А | alkaloid atropine |
| О | Б | alkaloid papaverine |
| О | В | alkaloid ephedrine |
| О | Г | alkaloid morphine |
|  |  |  |
| В | 006 | As an industrial raw material for the production of scopolamine, they use ... |
| О | А | semina et fructus daturaeinnoxiae |
| О | Б | herba Chelidonii majoris |
| О | В | Herba et folia Hyoscya musniger |
| О | Г | tuber cum radicibus Stephania glabra |
|  |  |  |
| В | 007 | The drug "Glaucina hydrochloride" is obtained from raw materials ... |
| О | А | herba Glaucium flavum |
| О | Б | tuber cum radicibus Stephania glabra |
| О | В | bulbotuber Colchicum speciosum |
| О | Г | herba Catharahthi rosei |
|  |  |  |
| В | 008 | The drug "Platyphyllina hydrotartrate" is obtained from raw materials: |
| О | А | herba Catharahthi rosei |
| О | Б | Chelidonium majus |
| О | В | Datura innoxia |
| О | Г | Datura stramonium |
|  |  |  |
| В | 009 | The herb of Lanceolum thermopsis has ... action: |
| О | А | expectorant |
| О | Б | hypotensive |
| О | В | astringent |
| О | Г | cardiotonic |
|  |  |  |
| В | 010 | In what form are alkaloids found in plants? |
| О | А | in the form of salts |
| О | Б | as grounds |
| О | В | in the form of colored crystals |
| О | Г | in the form of oily droplets |
|  |  |  |
| В | 011 | Choleretic drugs include: |
| О | А | Berberine bisulfate |
| О | Б | Senade |
| О | В | Olimetin |
| О | Г | Beroxan |
|  |  |  |
| В | 012 | Indicate a plant containing alkaloids, quinolizidine derivatives (predominantly securinine), used in the production of the psychostimulating drug "Securinine nitrate". |
| О | А | Securinega suffruticosa |
| О | Б | Sophora pachycarpa (Sophora pachycarpa) |
| О | В | Thermopsis alterniflora |
| О | Г | Yellow capsule (Nuphar lutea) |
|  |  |  |
| В | 013 | For the qualitative detection of alkaloids, precipitation reactions are used: |
| О | А | with Mayer, Marme, Dragendorf reagents |
| О | Б | with alkali solution |
| О | В | with sodium nitroprusside |
| О | Г | with nitric acid solution |
|  |  |  |
| В | 0014 | Specify the reagent used to carry out specific (color) reactions to alkaloids: |
| О | А | Brand reagent (sulfuric acid + formaldehyde) |
| О | Б | Dragendorf reagent (solution of bismuth iodide in potassium iodide) |
| О | В | Wagner-Bouchard reagent (iodine solution in potassium iodide) |
| О | Г | aqueous solution of caustic alkali |
|  |  |  |
| В | 0015 | What reagent is used to detect alkaloids in medicinal plant raw materials? |
| О | А | Dragendorf (solution of bismuth iodide in potassium iodide) |
| О | Б | Ballier (solution of picric acid in an alkaline medium) |
| О | В | Grades (sulfuric acid + formaldehyde) |
| О | Г | aqueous solution of caustic alkali |
|  |  |  |
| В | 0016 | A feature of the precipitation reaction for alkaloids is its carrying out: |
| О | А | with acidic or neutral aqueous extraction |
| О | Б | in alcoholic solution of alkali |
| О | В | using a catalyst |
| О | Г | in a solution of glacial acetic acid |
|  |  |  |
| В | 0017 | Indicate a plant containing quinolizidine alkaloids (cytisine, methylcytisine, pachicarpin, anagirin, etc.) and used in the production of a drug that stimulates the respiratory center - "Cititon" (0.15% solution of cytisine). |
| О | А | Thermopsis alterniflora |
| О | Б | Sophora pachycarpa (Sophora pachycarpa) |
| О | В | Securinega suffruticosa |
| О | Г | Yellow capsule (Nuphar lutea) |
|  |  |  |
| В | 0018 | Indicate a plant containing isoquinoline alkaloids of the protoberberine subgroup - berberine, coptisine; benzophenanthridine subgroups - chelidonine, chelerythrine, sanguinarine, water extraction of which is used for diseases of the liver and gallbladder. |
| О | А | Small-fruited Macleaya (Macleaya microcarpa) |
| О | Б | Glaucium flavum |
| О | В | Passiflora incarnata |
| О | Г | Chelidonium majus |
|  |  |  |
| В | 0019 | Indicate a plant containing indole alkaloids (vincamine, isovincamine, vincaminorine) used in the production of hypotonic drugs "Devinkan", "Vincapan", "Vinkanor" "Vinkaton". |
| О | А | Vincaminor |
| О | Б | Macleaya microcarpa |
| О | В | Catharanthus roseus |
| О | Г | Nuphar lutea |
|  |  |  |
| В | 0020 | Specify a plant containing alkaloids, pyrrolizidine derivatives (platifillin, senecifylline), used in the production of the medicinal product "Platyphyllina hydrotartrate" |
| О | А | Senecio platyphylloides |
| О | Б | Catharanthus roseus |
| О | В | Datura stramonium |
| О | Г | Ephedra equisetina |
|  |  |  |
| В | 0021 | What group of alkaloids does the raw material of Chinese tea contain? |
| О | А | quinolizidine derivatives |
| О | Б | purine derivatives |
| О | В | indole derivatives |
| О | Г | tropane derivatives |
|  |  |  |
| В | 0022 | What plant raw materials are used for the production of extracts included in the complex preparations "Belatominal", "Bekarbon", "Besalol", "Belalgin"? |
| О | А | herba belladónna |
| О | Б | herba Convallariae |
| О | В | herba Astragalus |
| О | Г | herba Chelidonii |
|  |  |  |
| В | 0023 | Which drug that has a sedative, antispasmodic and analgesic effect contains the amount of alkaloids isolated from the raw materials of belladonna and ergot of the ergotamine strain? |
| О | А | "Belataminal" |
| О | Б | "Omnopon" |
| О | В | "Aymalin" |
| О | Г | "Raunatin" |
|  |  |  |
| В | 0024 | What type of plant material containing tropane alkaloids is an integral part of the "Astmatin" preparation? |
| О | А | Hyoscyamus niger |
| О | Б | Plantago major |
| О | В | Menta piperita |
| О | Г | Chelidonium majus |
|  |  |  |
| В | 0025 | The authenticity of the raw material "Radix Rauwolfiae serpentinae" is carried out according to the content: |
| О | А | reserpine |
| О | Б | atropine |
| О | В | hyoscyamine |
| О | Г | vinblastine |
|  |  |  |
| В | 0026 | What plant raw materials are the source of the antiarrhythmic drugs "Aimalin" and "Pulsnorma"? |
| О | А | radices Rauwolfiae |
| О | Б | herba Vinca minor |
| О | В | folia Stramonii |
| О | Г | folia Catharahthi rosei |
|  |  |  |
| В | 0027 | What plant raw materials are used for the production of the antiarrhythmic drug "Aimalin"? |
| О | А | radices Rauwolfiae |
| О | Б | herba Vinca minor |
| О | В | Semina Strychni |
| О | Г | folia Catharahthi rosei |
|  |  |  |
| В | 0028 | From which medicinal plant preparation "Ergotamine hydrotartrate" is obtained? |
| О | А | (ergot) (Secale cornutum) |
| О | Б | Folium Belladonna |
| О | В | Herba Thermopsidis |
| О | Г | Fructus Capsici |
|  |  |  |
| В | 0029 | Indicate the source of obtaining the drug "Novopassit" |
| О | А | herba Passiflora incarnata |
| О | Б | herba Salvia officinalis |
| О | В | herba Inula helenium |
| О | Г | herba Bidentis tripartita |
|  |  |  |
| В | 0030 | With neurasthenia, insomnia, menopause disorders, it is recommended to use a phytopreparation containing alkaloids: |
| О | А | "Novopassit" |
| О | Б | "Glaucine hydrochloride" |
| О | В | Ergotamine |
| О | Г | "Securinine nitrate" |
|  |  |  |
| В | 0031 | Colchicine alkaloids are used to treat malignant tumors. The source of obtaining these alkaloids is: |
| О | А | Colchicum speciosum |
| О | Б | Thermopsis lanceolata |
| О | В | Vinca minor |
| О | Г | Atropa beladonna |
|  |  |  |
| В | 0032 | Indicate the medicinal product that is used for the production of colchamin ointment: |
| О | А | bulbotubera Colchici recentia |
| О | Б | radices Belladonnae |
| О | В | rhizomata cum radicibus Veratri |
| О | Г | radices Rauwolfiae |
|  |  |  |
| В | 0033 | From which alkaloid can codeine be obtained semisynthetically? |
| О | А | Morphine |
| О | Б | Papaverine |
| О | В | Berberine |
| О | Г | Protopin |
|  |  |  |
| В | 0034 | What medicinal product contains codeine alkaloid? |
| О | А | capita Papaveris somniferum |
| О | Б | herba Macleayae |
| О | В | herba Chelidonii |
| О | Г | folia Theae |
|  |  |  |
| В | 0035 | What alkaloid is isolated from the herb (Herba Glaucіі flavі)? |
| О | А | glaucine |
| О | Б | thermopsin |
| О | В | codeine |
| О | Г | gindarin |
|  |  |  |
| В | 0036 | The quality of the Herba Glaucіі flavі is characterized by the content: |
| О | А | Glaucina |
| О | Б | Berberina |
| О | В | Pakhikarpina |
| О | Г | Rosevin |
|  |  |  |
| В | 0037 | What medicinal plant raw materials are the source of the alkaloid glaucine? |
| О | А | herba Glaucium flavum |
| О | Б | herba Chelidonii majoris |
| О | В | herba Atropa belladonnae |
| О | Г | herba Hyoscyamus niger |
|  |  |  |
| В | 0038 | What generic herbal preparation with a similar action can replace glaucine hydrochloride, which is not available in the pharmacy, for a patient? |
| О | А | Broncholytin |
| О | Б | Mucaltin |
| О | В | Codeine phosphate |
| О | Г | Cough pills |
|  |  |  |
| В | 0039 | Since the alkaloid codeine, which exhibits antitussive activity, also has a narcotic effect, in children's practice it should be replaced with another alkaloid without side effect. What kind? |
| О | А | Glaucin |
| О | Б | Papaverine |
| О | В | Tebain |
| О | Г | Capsaicin |
|  |  |  |
| В | 0040 | What BAS causes the irritating and warming effect of de Fructus capsici preparations? |
| О | А | capsaicinoids |
| О | Б | saponins |
| О | В | flavonoids |
| О | Г | carotenoids |
|  |  |  |
| В | 0041 | Which plant from the family Solanaceae is the source of steroid alkaloids? |
| О | А | Solanum lacіnіatum |
| О | Б | Scopolia carnіolіca |
| О | В | Capsіcum annuum |
| О | Г | Atropa belladonna |
|  |  |  |
| В | 0042 | For the manufacture of the drug "Sanguirithrin", which has antimicrobial activity, plant materials are used: |
| О | А | Macleaya cordata |
| О | Б | Capsicum annuum |
| О | В | Chelidonium majoris |
| О | Г | Thermopsis lanceolata |
|  |  |  |
| В | 0043 | The drug "Raunatin" contains: |
| О | А | the sum of alkaloids |
| О | Б | the sum of polysaccharides |
| О | В | individual alkaloid ergotamine |
| О | Г | the amount of active substances partially purified from ballast and related |
|  |  |  |
| В | 0044 | Vitamins are ... |
| О | А | organic substances of various chemical nature, in small quantities necessary for the normal functioning of the body. |
| О | Б | nitrogen-containing alkali-like compounds formed in plant organisms |
| О | В | natural high-molecular carbohydrates, macromolecules of which consist of tens, hundreds or thousands of monomers - monosaccharides. |
| О | Г | high molecular weight, genetically related natural phenolic compounds with tanning properties. |
|  |  |  |
| В | 0045 | The term "vitamins" suggested: |
| О | А | Funk |
| О | Б | Pirogov |
| О | В | K. Linney |
| О | Г | Oparin |
|  |  |  |
| В | 0046 | Which of the proposed classifications of vitamins is the most rational? |
| О | А | By chemical structure |
| О | Б | Alphabetic classification |
| О | В | By solubility |
| О | Г | By morphological characteristics |
|  |  |  |
| В | 0047 | Which acid is vitamin C? |
| О | А | Ascorbic acid |
| О | Б | Barbituric acid |
| О | В | A nicotinic acid |
| О | Г | Folic acid |
|  |  |  |
| В | 0048 | The composition of the choleretic drug "Allochol" includes leaf extract: |
| О | А | Urtica dioica |
| О | Б | Menthae piperitae |
| О | В | Salviae officinalis |
| О | Г | Atropa belladonna |
|  |  |  |
| В | 0049 | Indicate plant materials that a pharmacist can recommend to a patient who suffers from vitamin deficiency: |
| О | А | Folia Urticae |
| О | Б | (Folia Althaeae) |
| О | В | (Folia Menthae) |
| О | Г | (Folia Farfarae) |
|  |  |  |
| В | 0050 | By the content of which biologically active substances, is the standardization of medicinal plant products - rose hips (Fructus Rosae) regulated? |
| О | А | ascorbic acid |
| О | Б | coumarins |
| О | В | fatty oils |
| О | Г | flavonoids |
|  |  |  |
| В | 0051 | According to the Pharmacopoeia Monograph, the following method is used to determine the quantitative content of ascorbic acid in rose hips: |
| О | А | Titrimetric |
| О | Б | Colorimetric |
| О | В | Weight |
| О | Г | Polarographic |
|  |  |  |
| В | 0052 | Name a medicinal product made on the basis of rose hips that has a reparative effect: |
| О | А | Carotolinum |
| О | Б | Holosas |
| О | В | Arfazetin |
| О | Г | Flamin |
|  |  |  |
| В | 0053 | Rosacanina L. drug "Lipochromin" is a remedy for: |
| О | А | prevention and treatment of radiation sickness |
| О | Б | prevention and treatment of atherosclerosis |
| О | В | prevention and treatment of immune diseases |
| О | Г | prevention of vitamin deficiency |
|  |  |  |
| В | 0054 | What is the MPR containing a large amount of vitamin C. |
| О | А | Fructus Rosae |
| О | Б | Cortex Quercus |
| О | В | Rhizoma Tormentillae |
| О | Г | Folia Menthae piperitae |
|  |  |  |
| В | 0055 | Specify medicinal plant raw materials where carotenoids accumulate in large quantities and are used in the manufacture of phytopreparations: |
| О | А | fructus Hippophaes |
| О | Б | folium Ribes |
| О | В | herba Bursae pastoris |
| О | Г | folia Fragariae |
|  |  |  |
| В | 0056 | Phytopreparation from which herbal raw materials can be recommended for the treatment of long-term non-healing skin burns? |
| О | А | flores Caléndula |
| О | Б | fructus Crataegi |
| О | В | herba Leonuri |
| О | Г | herba Convallariae |
|  |  |  |
| В | 0057 | Choose a medicinal product, the tincture of which has a bactericidal and anti-inflammatory effect and can be used externally |
| О | А | Сalendula officinalis |
| О | Б | Aralia mandshurica |
| О | В | Panax ginseng |
| О | Г | Atropa belladonna |
|  |  |  |
| В | 0058 | For the prevention of influenza, medicinal plant raw materials rich in ascorbic acid should be recommended. Indicate which plant materials the pharmacist can recommend in this case: |
| О | А | Fructus Ribis nigri |
| О | Б | (Fructus crataegi) |
| О | В | (Fructus aroniae) |
| О | Г | (Fructus myrtilli) |
|  |  |  |
| В | 0059 | What are the medicinal raw materials rich in vitamins K and C: |
| О | А | Folium Urticae. |
| О | Б | Folium Convallariae. |
| О | В | Folium Salviae. |
| О | Г | Herba Origani. |
|  |  |  |
| В | 0060 | What method is used to detect and identify vitamins in medicinal plant materials? |
| О | А | chromatography |
| О | Б | photocolorimetry |
| О | В | titrimetry |
| О | Г | polarography |
|  |  |  |
| В | 0061 | From the fruits of which plant is "Cholosas" obtained? |
| О | А | Fructus Rosae |
| О | Б | Ribes nigrum |
| О | В | Viburnum opulus |
| О | Г | Hippophae rhamnoides |
|  |  |  |
| В | 0062 | Which of the following vitamins is water-soluble? |
| О | А | ascorbic acid (vitamin C) |
| О | Б | calciferol (vitamin D) |
| О | В | tocopherol (vitamin E) |
| О | Г | retinol (vitamin A) |
|  |  |  |
| В | 0063 | Which of the following vitamins is fat-soluble? |
| О | А | tocopherol (vitamin E) |
| О | Б | ascorbic acid (vitamin C) |
| О | В | thiamin (vitamin B1) |
| О | Г | riboflavin (vitamin B2) |
|  |  |  |
| В | 0064 | The description of the physicochemical properties of which vitamin is given below:  white crystalline powder, sour taste, easily soluble in water, alcohols, insoluble in non-polar organic solvents, easily oxidized. |
| О | А | ascorbic acid – Vtamin C |
| О | Б | a nicotinic acid |
| О | В | folic acid |
| О | Г | riboflavin |
|  |  |  |
| В | 0065 | From which plant raw material is the "Carotolin" drug obtained? |
| О | А | de diversa spects Rosa (Different types of Rosa ) |
| О | Б | Viburnum opulus |
| О | В | Urtica dioica |
| О | Г | Calendulae officinalis |
|  |  |  |
| В | 0066 | Vital substances of various nature that perform biochemical functions in the body of animals and are required in small quantities are: |
| О | А | vitamins |
| О | Б | tannins |
| О | В | coumarins |
| О | Г | cardiac glycosides |
|  |  |  |
| В | 0067 | Medicinal plant materials containing vitamin K include: |
| О | А | herba Bursae pastoris |
| О | Б | fructus Rosae |
| О | В | fructus Sophorae japonicae |
| О | Г | fructus Sorbia ucupariae |
|  |  |  |
| В | 0068 | What group of vitamins does Phylloquinone belong to? |
| О | А | aromatic |
| О | Б | aliphatic |
| О | В | water soluble |
| О | Г | heterocyclic |
|  |  |  |
| В | 0069 | Vitamin B12 is: |
| О | А | cyanocobalamin |
| О | Б | riboflavin |
| О | В | ascorbic acid |
| О | Г | folic acid |
|  |  |  |
| В | 0070 | To replenish vitamin B6 deficiency, use: |
| О | А | pyridoxine |
| О | Б | riboflavin |
| О | В | ascorbic acid |
| О | Г | folic acid |
|  |  |  |
| В | 0071 | According to their physical properties, vitamins are subdivided: |
| О | А | for water-soluble and fat-soluble |
| О | Б | for oxidized and reduced |
| О | В | for oxygen-containing and oxygen-free |
| О | Г | into simple and complex |
|  |  |  |
| В | 0072 | Polysaccharides are…. |
| О | А | natural high-molecular carbohydrates, the macromolecules of which consist of monosaccharide residues. |
| О | Б | proteins of various chemical structures, taking part in metabolism and being vital. |
| О | В | nitrogen-containing alkali-like compounds formed in plant organisms. |
| О | Г | high molecular weight, genetically related natural phenolic compounds with tanning properties. |
|  |  |  |
| В | 0073 | What plant materials are used in the manufacture of the "Plantaglucid" drug? |
| О | А | Large plantain leaves |
| О | Б | Lily of the valley leaves |
| О | В | Belladonna leaves |
| О | Г | Foxglove leaves |
|  |  |  |
| В | 0074 | The drug "Plantaglucid", which is used to treat gastritis, gastric ulcer and 12 duodenal ulcer, is the sum of polysaccharides from medicinal plant raw materials: |
| О | А | folia Plantaginis majoris |
| О | Б | folia Convallariae |
| О | В | folia Belladonnae |
| О | Г | folia Digitalis |
|  |  |  |
| В | 0075 | When analyzing the raw material "Marshmallow roots" radix Althaeae , the reaction with a 5% alkali solution gave a positive result. What kind of biologically active substances does this reaction indicate? |
| О | А | Slime |
| О | Б | Comedy |
| О | В | Starch |
| О | Г | Pectin substances |
|  |  |  |
| В | 0076 | Which plant from the following is a source of polysaccharides? |
| О | А | Plantago major |
| О | Б | Artemísia vulgáris |
| О | В | Urtica dioica |
| О | Г | Veratruim lobelianum |
|  |  |  |
| В | 0077 | For the analysis, select a reagent for conducting a histochemical reaction for mucus: |
| О | А | Methylene blue alcohol solution |
| О | Б | 1% solution of ammonium iron alum |
| О | В | Sudan III solution |
| О | Г | Dragendorff's reagent |
|  |  |  |
| В | 0078 | Plantain leaves ''Folia Plantaginis majoris'' are standardized according to the content of active ingredients ... |
| О | А | polysaccharides |
| О | Б | flavonoids |
| О | В | saponins |
| О | Г | tannins |
|  |  |  |
| В | 0079 | What class of compounds is quantitatively determined in plant raw materials by plantain leaves '' Folia Plantaginis majoris'' ? |
| О | А | polysaccharides |
| О | Б | vitamins |
| О | В | terpenes |
| О | Г | bitterness |
|  |  |  |
| В | 0080 | What plant raw materials are used fresh to obtain juice? |
| О | А | Plantain (Plantago major) |
| О | Б | Marshmallow officinalis (Althaea officinalis) |
| О | В | Dog rose (Rosa canina) |
| О | Г | Stinging nettle (Urtica dioica) |
|  |  |  |
| В | 0081 | For the treatment of the upper respiratory tract, plant materials are used that contain mucus. The source of this class of compounds are: |
| О | А | Radix Althaeae |
| О | Б | Radix Іnulae |
| О | В | Radix Rhodіolae |
| О | Г | Radix Belladonnae |
|  |  |  |
| В | 0082 | What plant materials are included in the "Immunal" preparation? |
| О | А | Herba Echinaceae purpurea |
| О | Б | Radices Araliae mandshuricae |
| О | В | Radices Ginseng |
| О | Г | Herba Astragal idasyanthi |
|  |  |  |
| В | 0083 | What BAS presence confirms the qualitative reaction with α-naphthol and concentrated sulfuric acid in the raw material «Inulae rhizomata et radices»? |
| О | А | inulin |
| О | Б | starch |
| О | В | tannins |
| О | Г | flavonoids |
|  |  |  |
| В | 0084 | The polysaccharide inulin increases the level of bifidobacteria and is prescribed for diabetes. For this purpose, it is possible to recommend preparations made from the following raw materials: |
| О | А | Radices Cichorium |
| О | Б | Radices Glycyrrhizae |
| О | В | Radices Ginseng |
| О | Г | Radices Valerianae |
|  |  |  |
| В | 0085 | Tragacanth gum, used in the production of emulsions, tablets, as well as in the cosmetic industry, is obtained from plants of the genus: |
| О | А | Astragalus |
| О | Б | Apricot |
| О | В | Plum |
| О | Г | Aloe vera |
|  |  |  |
| В | 0086 | Specify the main pharmacological action of pectin: |
| О | А | Detoxifying |
| О | Б | Expectorant |
| О | В | Astringent |
| О | Г | Cardiotonic |
|  |  |  |
| В | 0087 | Which of the following carbohydrates are polysaccharides? |
| О | А | starch |
| О | Б | glucose |
| О | В | fructose |
| О | Г | lactose |
|  |  |  |
| В | 0088 | What is the raw material for the production of Plantaglucidum ? |
| О | А | Plantaginis majoris Folia |
| О | Б | Plantaginis majoris Herba |
| О | В | Plantaginis psyllii herba recens |
| О | Г | Plantaginis psyllii semina |
|  |  |  |
| В | 0089 | Name BAS with the following characteristics: colorless amorphous substances, readily soluble in water; hydrolyzed to form neutral (hexose, pentose, sugar alcohols) and acidic (uronic acids) products: |
| О | А | slime |
| О | Б | flavonoids |
| О | В | saponins |
| О | Г | phenol glycosides |
|  |  |  |
| В | 0090 | Specify the method for quantitative analysis of mucus: |
| О | А | gravimetric |
| О | Б | polarographic |
| О | В | chromatographic |
| О | Г | titrimetric |
|  |  |  |
| В | 0091 | Latin names of the psyllium plantain: |
| О | А | Plantago psyllium |
| О | Б | Plantago major |
| О | В | Plantago lanceolata |
| О | Г | Plantago media |
|  |  |  |
| В | 0092 | High molecular weight carbohydrates, natural polymers built from a variety of mono- and oligosaccharides in various combinations and quantities, some contain uronic acids. It ... |
| О | А | polysaccharides |
| О | Б | flavonoids |
| О | В | saponins |
| О | Г | tannins |
|  |  |  |
| В | 0093 | Source of the preparation "Plantain juice": |
| О | А | Plantaginis majoris folia recentia |
| О | Б | Plantaginis majoris folia |
| О | В | Plantaginis lanceolataе herba recens |
| О | Г | Plantaginis mediae herba recens |
|  |  |  |
| В | 0094 | For which drug is Althaea officinale used? |
| О | А | mucaltin |
| О | Б | alantonum |
| О | В | avisan |
| О | Г | plantaglucidum |
|  |  |  |
| В | 0095 | The drug "Mucaltin" is obtained from raw materials: |
| О | А | Althaea officinalis |
| О | Б | Plantaginis majoris |
| О | В | Farfarae |
| О | Г | Urticae dioica |
|  |  |  |
| В | 0096 | The presence of starch in medicinal plant materials is established by reaction with a reagent solution: |
| О | А | Lugol |
| О | Б | Sudan III |
| О | В | aluminum chloride |
| О | Г | phosphoromolybdic acid |
|  |  |  |
| В | 0097 | Which polysaccharide is "animal starch"? |
| О | А | glycogen |
| О | Б | cellulose |
| О | В | inulin |
| О | Г | starch |
|  |  |  |
| В | 0098 | For the quantitative determination of polysaccharides, the following method is used: |
| О | А | gravimetry |
| О | Б | spectrophotometry |
| О | В | titrimetry |
| О | Г | hydrodistillation |
|  |  |  |
| В | 0099 | What drug is obtained from Laminaria thalli? |
| О | А | Laminaridum |
| О | Б | Naturilax |
| О | В | Bronchiflux |
| О | Г | Livian |
|  |  |  |
| В | 0100 | What drug is obtained from flax seeds? |
| О | А | Linetol |
| О | Б | Mucaltin |
| О | В | Bronchiflux |
| О | Г | Laminarid |
|  |  |  |
| В | 0101 | **What drug is obtained from plantain leaves?** |
| О | А | **Plantaglucidum** |
| О | Б | **Laminaridum** |
| О | В | **Linetol** |
| О | Г | **Mucaltin** |
|  |  |  |
| В | 0102 | Tannins are ... |
| О | А | high molecular weight, genetically related natural phenolic compounds with tanning properties. |
| О | Б | natural high-molecular carbohydrates, the macromolecules of which consist of monosaccharide residues. |
| О | В | proteins of various chemical structures, taking part in metabolism and being vital. |
| О | Г | nitrogen-containing alkali-like compounds formed in plant organisms. |
|  |  |  |
| В | 0103 | Indicate the property of tannins that determines their astringent effect: |
| О | А | thicken tissues, forming albuminates |
| О | Б | form a stable foam with water |
| О | В | form viscous colloidal solutions with water |
| О | Г | dilate the blood vessels of the skin |
|  |  |  |
| В | 0104 | It is possible to detect tannins in medicinal raw materials using the reaction: |
| О | А | with iron ammonium alun |
| О | Б | with aluminum chloride |
| О | В | with Lugol's solution |
| О | Г | with sodium hydroxide |
|  |  |  |
| В | 0105 | What biologically active substances determine the astringent effect of medicinal plant materials? |
| О | А | tannins |
| О | Б | alkaloids |
| О | В | slime |
| О | Г | flavonoids |
|  |  |  |
| В | 0106 | Medicinal raw materials containing tannins: |
| О | А | Serpentine rhizome (Rhizoma bistortae) |
| О | Б | Calamus rhizome (Rhizoma calami) |
| О | В | Dandelion roots (Radix taraxaci) |
| О | Г | Henbane leaves (Folium hyoscyami) |
|  |  |  |
| В | 0107 | What biologically active substances of plant origin give a positive reaction with a solution of ammonium iron alun: |
| О | А | Tannins |
| О | Б | Saponins |
| О | В | Polysaccharides |
| О | Г | Bitterness |
|  |  |  |
| В | 0108 | Industrial raw material for tannin production is medicinal plant raw materials: |
| О | А | Gallaе |
| О | Б | Rhizomata Valerianae |
| О | В | Fructus Viburni |
| О | Г | Rhizomata Calami |
|  |  |  |
| В | 0109 | What medicinal plant can be used as a source of tannin? |
| О | А | Tanning sumac leaves (Folium Rhus coriariae) |
| О | Б | St. John's wort herb (Herba Hyperici perforate) |
| О | В | Badana thick-leaved rhizome (Rhizoma Bergenia crassifolia) |
| О | Г | Burnet medicinal (Radix Sanquisorbae officinalis) |
|  |  |  |
| В | 0110 | Which medicinal plant is best used as an astringent and hemostatic agent? |
| О | А | rhizomes and roots of burnet (Rhizoma et radices Sanguisorbae) |
| О | Б | rhizomes and roots of Eleutherococcus (Rhizoma et radices Eleutherococci) |
| О | В | rhizomes of Badan (Rhizomata Bergeniae) |
| О | Г | rhizomes and roots of Madder (Rhizomata et radices Rubiae) |
|  |  |  |
| В | 0111 | Tannins can be used as an antidote for alkaloids. Select the plant materials that can be recommended in this situation: |
| О | А | rhizomata Tormentillae |
| О | Б | rhizomata Calami |
| О | В | radices Althaeae |
| О | Г | radices Inulae |
|  |  |  |
| В | 0112 | Mark the main biologically active substances of Vaccinium myrtillus: |
| О | А | tannins |
| О | Б | mucus, trace elements |
| О | В | flavonoids |
| О | Г | vitamins |
|  |  |  |
| В | 0113 | Blueberries are rich in tannins, flavonoids, anthocyanins. They are recommended for: |
| О | А | Improving vision |
| О | Б | As a choleretic agent |
| О | В | Breathing stimulation |
| О | Г | As a laxative |
|  |  |  |
| В | 0114 | What plant materials contain tannins? |
| О | А | Blueberry fruit (Fructus myrtilli) |
| О | Б | Black elderberry (Fructus Sambusci nigri) |
| О | В | Black currant (Fructus Ribes nigri) |
| О | Г | Buckthorn fruit (Fructus Frangulae) |
|  |  |  |
| В | 0115 | In case of intestinal disorders in a child, the pharmacist will suggest to the patient: |
| О | А | Bilberry fruit decoction - fructus myrtilli |
| О | Б | Rosehip decoction - fructus rosae |
| О | В | Sea buckthorn fruit decoction - fructus hippophaes |
| О | Г | Rowan fruit decoction - fructus sorbi |
|  |  |  |
| В | 0116 | Blueberries are used as a gentle astringent and dietary remedy for acute and chronic disorders of the digestive tract. What substances determine their astringent properties: |
| О | А | tannins |
| О | Б | vitamins |
| О | В | anthraglycosides |
| О | Г | pectin substances |
|  |  |  |
| В | 0117 | For a patient with diabetes mellitus, the doctor advised the medicinal collection "Arfazetin" (Arphasetin), which includes: valvae fructuum phaseoli vulgaris, radices aralia emandshuricae, fructus rosae, herba equiseti arvensis, herba hyperici, flores chamomilla erecutitae Indicate the missing medicinal plant materials: |
| О | А | cormus Myrtilli |
| О | Б | folia Plantaginis |
| О | В | Humulus |
| О | Г | fructus Sorbi |
|  |  |  |
| В | 0118 | They are soluble in hot water, as a rule ... |
| О | А | tannins |
| О | Б | essential oils |
| О | В | saponins |
| О | Г | alkaloids |
|  |  |  |
| В | 0119 | What is the main pharmacological action of the Bergeniae rhizomata: |
| О | А | hemostatic |
| О | Б | sedative |
| О | В | hypotensive |
| О | Г | cardiotonic |
|  |  |  |
| В | 0120 | What is the classification of tannins based on? |
| О | А | on solubility in water, organic solvents |
| О | Б | on the ability to hydrolyze or condense under the action of enzymes, acids, alkalis |
| О | В | on the ability to precipitate proteins from solutions |
| О | Г | on the ability to fluoresce in UV light |
|  |  |  |
| В | 0121 | What is the most characteristic qualitative reaction to tannins: |
| О | А | with Fe (III) solution - coloring |
| О | Б | with a solution of alkaloids - sediment |
| О | В | with gelatin solution - sediment |
| О | Г | with a suspension of erythrocytes - hemolysis |
|  |  |  |
| В | 0122 | What color is the coloration observed when the condensed group tannins interact with iron ammonium alun? |
| О | А | black-green |
| О | Б | red |
| О | В | yellow |
| О | Г | black |
|  |  |  |
| В | 0123 | What color is the coloration observed when the tannins of the hydrolysable group interact with iron ammonium alum? |
| О | А | black and blue |
| О | Б | yellow |
| О | В | green |
| О | Г | red |
|  |  |  |
| В | 0124 | Indicate plant source of tannin: |
| О | А | folium Rhuscoriariae |
| О | Б | rhizomata Tormentillae |
| О | В | folia Cotini |
| О | Г | rhizomata Sanguisorbae |
|  |  |  |
| В | 0125 | Tannins are subdivided: |
| О | А | for hydrolysable and condensable |
| О | Б | for oxidized and reduced |
| О | В | into acyclic and bicyclic |
| О | Г | into simple and complex |
|  |  |  |
| В | 0126 | Tannins are: |
| О | А | Amorphous yellowish or brownish substances |
| О | Б | Colorless crystalline substances |
| О | В | Colored crystalline substances |
| О | Г | Colorless liquids |
|  |  |  |
| В | 0127 | What color is the coloration observed in the interaction of ammonium iron alum with tannins of the pyrogallic group? |
| О | А | Black and blue |
| О | Б | Black-green |
| О | В | Orange |
| О | Г | Blue |
|  |  |  |
| В | 0128 | Ammonium iron alum with tannins of the pyrocatechol group gives color: |
| О | А | Black and green |
| О | Б | Orange |
| О | В | Black-blue |
| О | Г | Blue |
|  |  |  |
| В | 0129 | Ferric salts are a reagent for: |
| О | А | Tannin |
| О | Б | Flavonoids |
| О | В | Alkaloids |
| О | Г | Polysaccharides |
|  |  |  |
| В | 0130 | The permanganatometric method for determining tannins in raw materials is based on the properties of tannins: |
| О | А | Oxidizing |
| О | Б | restore |
| О | В | form colored complexes |
| О | Г | precipitate |
|  |  |  |
| В | 0131 | Pharmacological action of oak bark (Cortex Quercus) : |
| О | А | Astringent and styptic |
| О | Б | Cardiotonic |
| О | В | Diuretic |
| О | Г | Laxative |
|  |  |  |
| В | 0132 | Flavonoids are ... |
| О | А | the largest class of plant phenolic compounds with pronounced P-vitamin properties |
| О | Б | natural high-molecular carbohydrates, the macromolecules of which consist of monosaccharide residues. |
| О | В | high molecular weight, genetically related natural phenolic compounds with tanning properties. |
| О | Г | nitrogen-containing alkali-like compounds formed in plant organisms. |
|  |  |  |
| В | 0133 | To establish the authenticity of the flowers of the sandy everlasting (helichrysum arenarium flores), magnesium powder and concentrated HCl were added to the extract from the medicinal plant.An appearance of a red color was observed, which indicates the presence of: |
| О | А | flavonoids |
| О | Б | polysaccharides |
| О | В | tannins |
| О | Г | alkaloids |
|  |  |  |
| В | 0134 | A positive result of the cyanidin test when analyzing the flowers of the sandy everlasting (helichrysum arenarium flores) indicates the presence of…. |
| О | А | flavonoids |
| О | Б | coumarins |
| О | В | saponins |
| О | Г | alkaloids |
|  |  |  |
| В | 0135 | The qualitative reaction to hyperoside is…. |
| О | А | cyanidin reaction |
| О | Б | murexid test |
| О | В | lactone test. |
| О | Г | Liebermann-Burchard reaction |
|  |  |  |
| В | 0136 | To identify the raw material, metallic magnesium powder and concentrated hydrochloric acid were added to the hawthorn flower infusion (Crataegi flores). The formation of a pink coloration indicates the presence of the following in the raw material: |
| О | А | flavonoids |
| О | Б | tannins |
| О | В | slime |
| О | Г | alkaloids |
|  |  |  |
| В | 0137 | What medicinal product is used for the industrial production of quercetin? |
| О | А | fruits of Japanese Sophora (Fructus Sophorae japonicaе) |
| О | Б | sea buckthorn fruits (Fructus Hippophaes rhamnoides) |
| О | В | Knotweed herb (Herba Polygoni avicularis) |
| О | Г | herb series tripartite (Herba Bidentis tripartitae) |
|  |  |  |
| В | 0138 | What medicinal plant raw materials are used for the industrial production of rutin? |
| О | А | fruits of Japanese Sophora (Fructus Sophorae japonicaе) |
| О | Б | sea buckthorn fruits (Fructus Hippophaes rhamnoides) |
| О | В | Knotweed herb (Herba Polygoni avicularis) |
| О | Г | herb series tripartite (Herba Bidentis tripartitae) |
|  |  |  |
| В | 0139 | What plant containing lipophilic substances is used for the manufacture of the drug "Aromelin"? |
| О | А | Aronia melanocarpa |
| О | Б | Viola tricolor |
| О | В | Centaurea cyanus |
| О | Г | Arnica montana |
|  |  |  |
| В | 0140 | What plant material is used to obtain the drug "Aromelin", which provides P-vitamin activity? |
| О | А | Fructus Aroniae melamocarpae |
| О | Б | Fructus Sorbi |
| О | В | Fructus Sambúcus |
| О | Г | Fructus Crataegi |
|  |  |  |
| В | 0141 | Which plant is called chokeberry Aronia melanocarpa : |
| О | А | Aronia melanocarpa |
| О | Б | Helichrysum arenarium |
| О | В | Tanacetum vulgare |
| О | Г | Viola tricolor |
|  |  |  |
| В | 0142 | What kind of wild-growing violet is recognized as pharmacopoeial together with tricolor violet? |
| О | А | Viola arvensis |
| О | Б | Viola palustris |
| О | В | Viola odorata |
| О | Г | Viola mirabilis |
|  |  |  |
| В | 0143 | For what purpose are tansy flowers '' Tanacetum vulgare '' used in pediatric practice? |
| О | А | Anthelmintic agent |
| О | Б | Vasodilator |
| О | В | Wound healing agent |
| О | Г | Sedative |
|  |  |  |
| В | 0144 | What plant flower powder can be used as an anthelmintic agent? |
| О | А | Common tansy (Tanacetum vulgare) |
| О | Б | Rosehip May (Rosa cinnamomea) |
| О | В | Chamomile (Chamomilla recutita) |
| О | Г | Sage officinalis (Salvia officinalis) |
|  |  |  |
| В | 0145 | How is motherwort herb ''Herba Leonuri'' harvested? |
| О | А | during mass flowering |
| О | Б | at the beginning of flowering |
| О | В | at the end of flowering |
| О | Г | in the budding stage |
|  |  |  |
| В | 0146 | What type of horsetail should be harvested, is pharmacopoeial and is used in medicine? |
| О | А | Herba Equіsetі arvensіs |
| О | Б | Herba Equіsetі hyemalіs |
| О | В | Herba Equіsetі sylvatіcі |
| О | Г | Herba Equіsetі pratensіs |
|  |  |  |
| В | 0147 | Which medicinal product is best used as a diuretic? |
| О | А | horsetail herb (Herba Equiseti arvense) |
| О | Б | Sophora fruit (Fructus Sophorae) |
| О | В | motherwort herb (Herba Leonuri quinquelobate) |
| О | Г | roots of Manchurian aralia (Radix Araliae) |
|  |  |  |
| В | 0148 | Indicate medicinal products that can replace horsetail herb ''Equisétum arvénse'', which is used as a diuretic? |
| О | А | Herba Aervae lanatae |
| О | Б | motherwort herb (Herba Leonuri) |
| О | В | peppermint herb (Herba Menthae piperitae) |
| О | Г | adonis herb (adonidis) |
|  |  |  |
| В | 0149 | It is known that the herb of the string Bidens L.) is used as a diuretic and diaphoretic. The pharmacopoeial species is: |
| О | А | Bidens tripartita |
| О | Б | Bidens cernuа |
| О | В | Bidens radiata |
| О | Г | Bidens frоndosa |
|  |  |  |
| В | 0150 | What part of a medicinal plant is harvested from blue cornflower flowers (Gentaurea cyanus L.) ? |
| О | А | flowers (partially take the interior - up to 40%) |
| О | Б | receptacle and wrapper |
| О | В | flower baskets without peduncle |
| О | Г | flowers with the remainder of the stem (no longer than 1 cm) |
|  |  |  |
| В | 0151 | To detect flavonoids in (Bidens L.), paper chromatography is used. What physical property makes it possible to identify flavonoids in a chromatogram of a (Bidens L.) |
| О | А | Fluorescence |
| О | Б | Luminescence |
| О | В | Specific gravity |
| О | Г | Refractive index |
|  |  |  |
| В | 0152 | The quantitative assessment of cornflower flowers (Flores Cyanі) is carried out in terms of: |
| О | А | Cyanine |
| О | Б | Gallic acid |
| О | В | Lanatoside |
| О | Г | Dioscin |
|  |  |  |
| В | 0153 | Specify medicinal plant materials containing flavonoids that exhibit cardiotonic effects: |
| О | А | Fructus Crataegі |
| О | Б | Herba Hyperіcі |
| О | В | Herba Polygonі avіcularіs |
| О | Г | Herba Bіdentіs |
|  |  |  |
| В | 0154 | Preparations from fruits or flowers of hawthorn (Crataegi flores) contain…. |
| О | А | flavonoids |
| О | Б | saponins |
| О | В | alkaloids |
| О | Г | carotenoids |
|  |  |  |
| В | 0155 | Determination of the quantitative content of flavonoids in medicinal plant raw materials - hawthorn fruits (Fructus Crataegi) according to analytical regulatory documentation is carried out by the method: |
| О | А | spectrophotometry |
| О | Б | gravimetry |
| О | В | iodometry |
| О | Г | permanganatometry |
|  |  |  |
| В | 0156 | What active substances in the composition of flowers and fruits of hawthorn ( Crataegus) are determined by the spectrophotometric method? |
| О | А | flavonoids |
| О | Б | lipids |
| О | В | atropine |
| О | Г | papaverine |
|  |  |  |
| В | 0157 | The main active ingredients of hawthorn fruits (Fructus Crataegi) are flavonoids. What pharmacological action do they determine? |
| О | А | Antihypertensive and sedative effects |
| О | Б | Laxative and sedative |
| О | В | Toning and anticonvulsant |
| О | Г | Diuretic and hemostatic |
|  |  |  |
| В | 0158 | A patient with heart failure associated with a long-term violation of the cardiac activity of the coronary vessels can be recommended a drug from the following herbal raw materials: |
| О | А | Hawthorn fruit - Fructus Crataegi |
| О | Б | Marigold flowers -Flores Calendulae |
| О | В | Ginseng roots -Radices Ginseng |
| О | Г | Barberry roots -Radices Berberidis |
|  |  |  |
| В | 0159 | The drug "Cratal" is used as a cardioprotective agent, the herbal source of which are: |
| О | А | hawthorn fruit- Fructus Crataegi |
| О | Б | peony grass - Herba Paeoniae |
| О | В | lily of the valley - Folia Convallariae |
| О | Г | mint leaf - Folia Menthae |
|  |  |  |
| В | 0160 | Name the medicinal product, which is the source of the drug with antibacterial activity "Novoimaninum". |
| О | А | Herba Hyperіcі |
| О | Б | Herba Leonurі |
| О | В | Herba Polygonі hydropіperіs |
| О | Г | Herba Solіdagіnіs сanadensіs |
|  |  |  |
| В | 0161 | Standardization of medicinal raw materials "St. John's wort" Herba Hyperici is carried out according to the content: |
| О | А | routine |
| О | Б | avicularin |
| О | В | gnaphaloside |
| О | Г | salidroside |
|  |  |  |
| В | 0162 | The quantitative analysis of the content of flavonoids in the herb St. John's wort Herba Hyperici is carried out by the spectrophotometric method. What is the reaction behind this method. |
| О | А | Reaction with aluminum chloride solution |
| О | Б | Reaction with Dragendorff's reagent |
| О | В | Reaction with Wagner's reagent |
| О | Г | Reaction with Mueller's reagent |
|  |  |  |
| В | 0163 | What method is used to determine the good quality of St. John's wort Herba Hyperici by the content of the sum of flavonoids? |
| О | А | spectrophotometric method |
| О | Б | acid-base titration method |
| О | В | permanganatometric method |
| О | Г | steam distillation method |
|  |  |  |
| В | 0164 | Offer the patient a drug based on licorice (Glycyrrhiza glabra) flavonoids with antiulcer action: |
| О | А | Liquidyton |
| О | Б | Glycerol |
| О | В | Glycers |
| О | Г | Licorice syrup |
|  |  |  |
| В | 0165 | Offer the patient an antiulcer drug based on licorice (Glycyrrhiza glabra) flavonoid compounds: |
| О | А | Liquidyton |
| О | Б | Ascorutin |
| О | В | Holosas |
| О | Г | Rutin |
|  |  |  |
| В | 0166 | The herbal source of phytopreparation “Flacarbinum”, which has an antispasmodic, anti-inflammatory and antiulcer effect, is: |
| О | А | Glycyrrhiza glabra |
| О | Б | Calendula officinalis |
| О | В | Aesculu shippocastanum |
| О | Г | Aralia mandshurica |
|  |  |  |
| В | 0167 | What group of biologically active substances provides such a pharmacological effect in violation of cerebral circulation? |
| О | А | flavonoids |
| О | Б | alkaloids |
| О | В | cardiac glycosides |
| О | Г | vitamins |
|  |  |  |
| В | 0168 | What medicinal product contains fresh ginkgo biloba leaf extract? |
| О | А | Tanakan |
| О | Б | Phytolite |
| О | В | Marelin |
| О | Г | Flamin |
|  |  |  |
| В | 0169 | Knotweed herb is prescribed as a hemostatic agent. The good quality of raw materials is determined by the content: |
| О | А | Flavonoid amounts |
| О | Б | Sums of alkaloids |
| О | В | Sums of vitamins |
| О | Г | Coumarin sums |
|  |  |  |
| В | 0170 | To establish the good quality of the herb of mountaineer pepper by the quantitative content of the sum of flavonoids, the following method is used: |
| О | А | spectrophotometric |
| О | Б | titrimetric |
| О | В | photocolorimetric |
| О | Г | biological standardization |
|  |  |  |
| В | 0171 | It is known that (Berberis) barberry leaves have a hemostatic effect in case of uterine hypotension. Which medicinal product has a similar effect: |
| О | А | Herba Polygoni hydropiperis |
| О | Б | Radices Taraxaci |
| О | В | Flores Tanaceti |
| О | Г | Herba Chelidonii |
|  |  |  |
| В | 0172 | What group of biologically active substances, in addition to cardiosteroids, are contained in the "Convaflavin" substance? |
| О | А | flavonoids |
| О | Б | coumarins |
| О | В | terpenoids |
| О | Г | polysaccharides |
|  |  |  |
| В | 0173 | Indicate the main pharmacological property of rutin: |
| О | А | capillary strengthening |
| О | Б | bactericidal |
| О | В | pain reliever |
| О | Г | antispasmodic |
|  |  |  |
| В | 0174 | The cyanidine reaction is carried out to detect in raw materials: |
| О | А | flavonoids |
| О | Б | saponins |
| О | В | alkaloids |
| О | Г | vitamins |
|  |  |  |
| В | 0175 | Japanese Sophora buds (Styphnolóbium japónicum) are used for industrial production: |
| О | А | quercetin and rutin |
| О | Б | arbutin and routine |
| О | В | quercetin and menthol |
| О | Г | arbutin and menthol |
|  |  |  |
| В | 0176 | What plant is the Flamin drug derived from? |
| О | А | Sandy immortelle(Helichrysum arenarium) |
| О | Б | Greater celandine (Chelidonium majus) |
| О | В | Heart-shaped linden (Tilia cordata) |
| О | Г | Motherwort (common) (Leonurus cardiaca) |
|  |  |  |
| В | 0178 | Specify the use of quercetin: |
| О | А | with hypo- and avitaminosis P and capillary-strengthening |
| О | Б | choleretic and antispasmodic |
| О | В | antispasmodic and bactericidal |
| О | Г | choleretic and bactericidal |
|  |  |  |
| В | 0179 | The medicine from the flowers of the immortelle (Helichrysi arenarii flores)is: |
| О | А | Flamin |
| О | Б | Rutin |
| О | В | Quercetin |
| О | Г | Convaflavin |
|  |  |  |
| В | 0180 | Indicate the main pharmacological action of blue cornflower flowers (Flores Centaureae cyani). |
| О | А | diuretic |
| О | Б | expectorant |
| О | В | sedative |
| О | Г | tonic |
|  |  |  |
| В | 0181 | The main active ingredients of the root of Scutellaria (Scutellaria baicalensis) are ...: |
| О | А | flavonoids |
| О | Б | polysaccharides |
| О | В | alkaloids |
| О | Г | cardiac glycosides |
|  |  |  |
| В | 0182 | The main active ingredients of the root of the field steel bugrane (Ononis spinosa, O. arvensis) are ...: |
| О | А | flavonoids |
| О | Б | essential oils |
| О | В | alkaloids |
| О | Г | coumarins |
|  |  |  |
| В | 0183 | Cardiac glycosides are: |
| О | А | a group of natural biologically active substances that have a selective cardiotonic effect on the heart muscle. |
| О | Б | nitrogen-containing alkali-like compounds formed in plant organisms. |
| О | В | proteins of various chemical structures, taking part in metabolism and being vital. |
| О | Г | the largest class of plant phenolic compounds with pronounced P-vitamin properties. |
|  |  |  |
| В | 0184 | To identify a drug from the group of cardiac glycosides, the analyst needs to prove the presence of an unsaturated lactone ring. What reagent should be used for this? |
| О | А | picric acid alkaline solution |
| О | Б | fuchsin discolored solution |
| О | В | hydroxylamine alkaline solution |
| О | Г | sodium chloride saturated solution |
|  |  |  |
| В | 0185 | The activity of plant materials and preparations containing cardiac glycosides is expressed in units of action. What pharmacopoeial method is used to standardize foxglove leaves? |
| О | А | biological standardization |
| О | Б | photoelectrocolorimetry |
| О | В | spectrophotometry |
| О | Г | titrometry |
|  |  |  |
| В | 0186 | What method is used to determine the good quality of the raw material "foxglove leaves purpurova" (Digitális purpúrea) containing cardiac glycosides? |
| О | А | biological standardization method |
| О | Б | potentiometric titration method |
| О | В | gravimetric analysis |
| О | Г | permanganatometric titration method |
|  |  |  |
| В | 0187 | One of the methods for the quantitative determination of active substances in raw materials is the method of biological standardization. For which group of biologically active substances it is used: |
| О | А | cardiac glycosides |
| О | Б | tannins |
| О | В | alkaloids |
| О | Г | slime |
|  |  |  |
| В | 0188 | To identify cardioglycosides in lily of the valley grass(Herba Convallariae), you can use the reaction: |
| О | А | with Legal's reagent |
| О | Б | with Dragendorff reagent |
| О | В | cyanidin sample |
| О | Г | with tannin |
|  |  |  |
| В | 0189 | The herbal preparation "Korglikon" “Corglycon” is used as a cardiotonic agent for diseases of the cardiovascular system. The plant raw materials for its production are: |
| О | А | folia Convallariae |
| О | Б | folia Digitalis |
| О | В | folia Eucalipti |
| О | Г | folia Stramonii |
|  |  |  |
| В | 0190 | What herbal raw materials are the source of the drug "Adonisidum"? |
| О | А | Herba Adonidis vernalis |
| О | Б | Herba Convallariae |
| О | В | Folia Convallariae |
| О | Г | Folia Digitalis |
|  |  |  |
| В | 0191 | What organs of digitalis purpurea (Digitalis purpurea L.) are used as medicinal plant raw materials: |
| О | А | leaves |
| О | Б | the seeds |
| О | В | fruit |
| О | Г | roots |
|  |  |  |
| В | 0192 | Choose a preparation for which foxglove leaves (Digitalis lanata) are the raw material: |
| О | А | Celanidum |
| О | Б | Korglikon |
| О | В | Digitoxin |
| О | Г | Adoniside |
|  |  |  |
| В | 0193 | Select preparations for which foxglove leaves (Digitalis lanata) are the raw material: |
| О | А | Lantosidum |
| О | Б | Korglikon |
| О | В | Digitoxin |
| О | Г | Adonisides |
|  |  |  |
| В | 0194 | The herbal source of phytopreparation "Digoxin", used for heart failure, is: |
| О | А | Digitalis lanata |
| О | Б | Digitalis ferruginea |
| О | В | Digitalis grandiflora |
| О | Г | Digitalis purpurea |
|  |  |  |
| В | 0195 | Glycosides are highly soluble: |
| О | А | in water |
| О | Б | on air |
| О | В | in chloroform |
| О | Г | in alcohol |
|  |  |  |
| В | 0196 | What type of biologically active substances are characterized by the following properties: “white crystalline substances, odorless, with a clear melting point, soluble in low-polar organic solvents (chloroform, benzene, etc.); under the action of strong acids, they are oxidized with the formation of colored compounds; in alkali solutions, the five-membered lactone ring opens with a loss of biological activity "? |
| О | А | aglycones of cardiac glycosides |
| О | Б | lignans |
| О | В | saponins |
| О | Г | bitterness |
|  |  |  |
| В | 0197 | Specify the physicochemical properties of cardiac glycosides: |
| О | А | white crystalline substances, odorless, bitter taste |
| О | Б | white crystalline substances, with a characteristic odor, no taste |
| О | В | poorly soluble in aqueous solutions of methanol and ethanol |
| О | Г | do not dissolve in aqueous solutions of methanol and ethanol |
|  |  |  |
| В | 0198 | Substances, the aglycone of which are derivatives of cyclopentanperhydrofenanthrene, containing an unsaturated five- or six-membered lactone ring in position 17, which have a specific effect on the heart muscle - ... |
| О | А | cardiac glycosides |
| О | Б | alkaloids |
| О | В | saponins |
| О | Г | anthracene derivatives |
|  |  |  |
| В | 0199 | Indicate a plant containing cardiac glycosides of the strophanth group erizimine, erisimozide, strophaloside and used to obtain the drug "Cardiovalen", which contains the herb juice of this plant. |
| О | А | Erysimum diffusum |
| О | Б | Strophanthus Kombe |
| О | В | Convallaria majalis |
| О | Г | Adonis vernalis |
|  |  |  |
| В | 0200 | Specify a plant containing cardiac glycosides of the digitalis group - lantosides A, B, C, D, E and used for chronic circulatory failure of 1 and 2 degrees, arrhythmias and tachycardia. Medicines - Digoxin, Celanid, Lantosid. |
| О | А | Digitalis lanata |
| О | Б | Convallaria majalis |
| О | В | Strophanthus Kombe |
| О | Г | Adonis vernalis |
|  |  |  |
| В | 0201 | Indicate a plant containing cardiac glycosides - lantosides A, B, C, glucogitaloxin; saponins; flavonoids and used in chronic heart failure of various origins. Medicines - Digitoxin, Leaf powder. |
| О | А | Digitalis grandiflora |
| О | Б | Digitalis purpurea |
| О | В | Adonis vernalis |
| О | Г | Strophanthus Kombe |
|  |  |  |
| В | 0202 | Indicate the plant-source of the drug "K-Strofantin" "Strophanthinum K". |
| О | А | Strophanthus Kombe |
| О | Б | Digitalis grandiflora |
| О | В | Adonis vernalis |
| О | Г | Digitalis purpurea |
|  |  |  |
| В | 0203 | Indicate a plant containing cardiac glycosides - adonitoxin, cymarin, K-strophanthin-β, flavone C-glycosides and used in milder forms of chronic circulatory insufficiency, has a calming effect on the central nervous system. |
| О | А | Adonis vernalis |
| О | Б | Digitalis grandiflora |
| О | В | Strophanthus Kombe |
| О | Г | Digitalis purpurea |
|  |  |  |
| В | 0204 | What plants contain cardiac glycosides as the main group of biologically active substances? |
| О | А | Digitalis purpurea |
| О | Б | Valeriana officinalis |
| О | В | Tussilago farfara |
| О | Г | Chamomilla recutita |
|  |  |  |
| В | 0205 | To obtain medicines Digitoxinum and Cordigitum, leaves are used: |
| О | А | Digitalis purpurea |
| О | Б | Convallaria |
| О | В | foxglove woolly |
| О | Г | jaundice sprawling |
|  |  |  |
| В | 0206 | For the production of the drug "Corglicon" used in the treatment of cardiovascular diseases, flowers, leaves and grass are used: |
| О | А | Convallaria majalis |
| О | Б | foxglove purple |
| О | В | foxglove large-flowered |
| О | Г | jaundice sprawling |
|  |  |  |
| В | 0207 | Digitalis purple (Digitalis purpureaL.) leaves contain cardiotonic glycosides: |
| О | А | Purpurea glycosides A and B |
| О | Б | lanatosides A, B, C, D |
| О | В | strophanthoside |
| О | Г | digilonides A, B, C |
|  |  |  |
| В | 0208 | The cardiotonic effect of cardiac glycosides is due to: |
| О | А | lactone ring |
| О | Б | aldehyde group |
| О | В | digitoxose |
| О | Г | steran |
|  |  |  |
| В | 0209 | Plant containing hydrophilic cardiac glycosides: |
| О | А | Adonis vernalis |
| О | Б | hellebore Caucasian |
| О | В | Digitalis purpurea |
| О | Г | Digitalis lanata |
|  |  |  |
| В | 0210 | Cardiac glycosides are the main group of biologically active substances in: |
| О | А | Herba Adonidis vernalis |
| О | Б | Lupuli strobili |
| О | В | Arnicae flores |
| О | Г | Plantaginis majoris folia |
|  |  |  |
| В | 0211 | To obtain the drug "Digitoxin" raw materials are used: |
| О | А | Digitalis purpurea |
| О | Б | Erysimum diffusum |
| О | В | Convallaria majalis |
| О | Г | Strophanthus Kombe |
|  |  |  |
| В | 0212 | May lily of the valley (Convallaria majalis) is the source of the preparation: |
| О | А | Corglycon |
| О | Б | Digitoxin |
| О | В | Adonisides |
| О | Г | Adonisbrom |
|  |  |  |
| В | 0214 | Enzymes are: |
| О | А | specific proteins present in all living cells and playing the role of biological catalysts |
| О | Б | nitrogen-containing alkali-like compounds formed in plant organisms |
| О | В | proteins of various chemical structures, participating in metabolism and being vital |
| О | Г | a group of low molecular weight organic compounds with a relatively simple structure and a variety of chemical nature |
|  |  |  |
| В | 0215 | First used the term "Catalyst": |
| О | А | Berzelius |
| О | Б | Gay lussac |
| О | В | Wöhler |
| О | Г | Lavoisier |
|  |  |  |
| В | 0216 | What are enzymes by chemical nature? |
| О | А | specialized proteins |
| О | Б | specialized carbohydrates |
| О | В | non-specialized proteins |
| О | Г | non-specialized amino acids |
|  |  |  |
| В | 0217 | Enzymes are: |
| О | А | catalysts |
| О | Б | regulators |
| О | В | carriers of substances through the membrane |
| О | Г | nerve impulse mediators |
|  |  |  |
| В | 0218 | Enzymes are called |
| О | А | protein substances that accelerate reactions |
| О | Б | protein substances that slow down reactions |
| О | В | non-protein substances that accelerate reactions |
| О | Г | non-protein substances that slow down reactions |
|  |  |  |
| В | 0219 | Each enzyme accelerates |
| О | А | only one reaction or a group of similar reactions |
| О | Б | several groups of different types of reactions |
| О | В | several different types of reactions |
| О | Г | similar and different types of reactions |
|  |  |  |
| В | 0220 | What is the basis for the classification of enzymes? |
| О | А | type of catalyzed reaction |
| О | Б | enzyme activity |
| О | В | enzyme structure |
| О | Г | substrate structure |
|  |  |  |
| В | 0221 | Which of the following classes of enzymes are the enzymes involved in digestion? |
| О | А | hydrolases |
| О | Б | transferases |
| О | В | oxidoreductase |
| О | Г | lyases |
|  |  |  |
| В | 0222 | Which compound activates the conversion of pepsinogen to pepsin? |
| О | А | hydrochloric acid |
| О | Б | enterokinase |
| О | В | trypsin |
| О | Г | chymotrypsin |
|  |  |  |
| В | 0223 | What are the substances that suppress/reduce the action of enzymes called? |
| О | А | inhibitors |
| О | Б | stabilizers |
| О | В | modifiers |
| О | Г | activators |
|  |  |  |
| В | 0224 | What is the name of the substance with which the enzyme interacts? |
| О | А | substrate |
| О | Б | apoenzyme |
| О | В | isoenzyme |
| О | Г | domain |
|  |  |  |
| В | 0225 | Coenzyme is: |
| О | А | loosely bound non-protein part of the complex enzyme. |
| О | Б | protein part of a complex enzyme |
| О | В | non-protein part of a simple enzyme |
| О | Г | non-separable non-protein part of a complex enzyme |
|  |  |  |
| В | 0226 | Coenzyme A: |
| О | А | catalyzes the transfer of fatty acid residues |
| О | Б | promotes the absorption of vitamin A |
| О | В | contains vitamin A |
| О | Г | catalyzes the transfer of carbohydrate residues (arabinose) |
|  |  |  |
| В | 0227 | Enzymes that break down a substrate molecule into two fragments with the addition of a water molecule at the site of rupture belong to the class: |
| О | А | hydrolases |
| О | Б | ligases |
| О | В | transferases |
| О | Г | isomerase |
|  |  |  |
| В | 0228 | Simple enzymes are composed of: |
| О | А | amino acids |
| О | Б | lipids |
| О | В | amino acids and carbohydrates |
| О | Г | vitamins |
|  |  |  |
| В | 0229 | Sources of enzymes are not: |
| О | А | plant cell walls |
| О | Б | internal organs of animals |
| О | В | cultures of microorganisms |
| О | Г | plant juices |
|  |  |  |
| В | 0230 | Enzymes are isolated by: |
| О | А | salting out |
| О | Б | boiling |
| О | В | high performance gas liquid chromatography |
| О | Г | electrolysis |
|  |  |  |
| В | 0231 | Plant protease - ficin contains: |
| О | А | figs in the juice of the stems and leaves of the fruit tree |
| О | Б | in pineapple |
| О | В | in rose hips |
| О | Г | in watermelon |
|  |  |  |
| В | 0232 | Plant Protease - Papain is found in: |
| О | А | the fruit of the melon tree |
| О | Б | in pineapple |
| О | В | In figs in the juice of the stems and leaves of the fruit tree |
| О | Г | in watermelon |
|  |  |  |
| В | 0233 | Plant enzyme - bromelain is found : |
| О | А | in the pulp and stem of pineapples |
| О | Б | in rose hip |
| О | В | in the fruit of the melon tree |
| О | Г | in watermelon |
|  |  |  |
| В | 0234 | Proteins are: |
| О | А | high molecular weight organic substances consisting of alpha-amino acids linked in a chain by a peptide bond |
| О | Б | nitrogen-containing alkali-like compounds formed in plant organisms |
| О | В | specific proteins present in all living cells and playing the role of biological catalysts |
| О | Г | a group of low molecular weight organic compounds of relatively simple structure and various chemical nature |
|  |  |  |
| В | 0235 | The specificity of proteins is due to: |
| О | А | amino acid composition, alternation of amino acids |
| О | Б | the content of α-helical and β-folded areas |
| О | В | the presence of a non-protein component |
| О | Г | the presence of certain clusters |
|  |  |  |
| В | 0236 | Which protein was the first to be synthesized artificially? |
| О | А | insulin |
| О | Б | hemoglobin |
| О | В | catalase |
| О | Г | interferon |
|  |  |  |
| В | 0237 | What protein performs an enzymatic function? |
| О | А | trypsin |
| О | Б | a growth hormone |
| О | В | fibrin |
| О | Г | insulin |
|  |  |  |
| В | 0238 | Which of the following are amino acids? |
| О | А | lysine, tryptophan, alanine |
| О | Б | valine, maltase, keratin |
| О | В | adenine, thymine, guanine |
| О | Г | sucrose, lactose, glycine |
|  |  |  |
| В | 0239 | What organic compounds are found in the cell in the greatest amount (% on wet weight)? |
| О | А | proteins |
| О | Б | carbohydrates |
| О | В | lipids |
| О | Г | nucleic acids |
|  |  |  |
| В | 0240 | What method is used in industry to obtain aminoacetic acid (glycine): |
| О | А | chemical |
| О | Б | biological |
| О | В | microbiological |
| О | Г | physico-chemical |
|  |  |  |
| В | 0241 | Name the protein that forms the basis of the tendons, ligaments and intercellular substance of bone tissue. |
| О | А | collagen |
| О | Б | keratin |
| О | В | fibrin |
| О | Г | actin |
|  |  |  |
| В | 0242 | What are amino acids: |
| О | А | phenylalanine |
| О | Б | aniline |
| О | В | diphenylamine |
| О | Г | glycerol |
|  |  |  |
| В | 0243 | How many natural amino acids are included in proteins? |
| О | А | 20 |
| О | Б | 25 |
| О | В | 30 |
| О | Г | 35 |
|  |  |  |
| В | 0244 | What amino acids are essential? |
| О | А | lysine, tryptophan, phenylalanine |
| О | Б | glycine, arginine, phenylalanine |
| О | В | glycine, asparagine, glutamic acid |
| О | Г | glycine, serine, arginine |
|  |  |  |
| В | 0245 | Medicinal raw materials of animal origin are |
| О | А | whole biological objects, parts or products of animal vital activity, permitted for medical use by an authorized body in accordance with the established procedure. |
| О | Б | dried or fresh plants or parts thereof, used as medicines or for their production. |
| О | В | fresh or dried plants or their parts used for the production of medicinal products by organizations - manufacturers of medicinal products or the manufacture of medicinal products by pharmacy organizations, veterinary pharmacy organizations, individual entrepreneurs licensed for pharmaceutical activities. |
| О | Г | natural minerals, metals and their salts, non-metals and their compounds, rocks, fossil fuels (oil, brown and black coal, etc.), ash of plants or animals and / or their parts, including the products of their joint firing (calcination) with other inorganic compounds, as well as products of chemical reactions / chemical synthesis used for the production / manufacture of medicines. |
|  |  |  |
| В | 0246 | Sources of obtaining medicines are: |
| О | А | minerals, synthetic compounds, substances of animal and vegetable origin |
| О | Б | minerals, substances of animal and plant origin, extracts |
| О | В | minerals, enzymes, substances of animal and vegetable origin |
| О | Г | mineral substances, oxide compounds, substances of animal and vegetable origin |
|  |  |  |
| В | 0247 | Preparations obtained from animal brain tissue include: |
| О | А | Cerebrolysin |
| О | Б | Corticotropin |
| О | В | Calcitonin |
| О | Г | Solcoseryl |
|  |  |  |
| В | 0248 | The drugs obtained from the pituitary gland include: |
| О | А | "Corticotropin" |
| О | Б | Cerebrolysin |
| О | В | "Calcitonin" |
| О | Г | "Solcoseryl" |
|  |  |  |
| В | 0249 | The drugs obtained from the thyroid gland include: |
| О | А | "Calcitrinum" |
| О | Б | Cerebrolysin |
| О | В | "Corticotropin" |
| О | Г | "Solcoseryl" |
|  |  |  |
| В | 0250 | The drugs obtained from the thymus gland include: |
| О | А | Timalinum |
| О | Б | "Corticotropin" |
| О | В | "Calcitonin" |
| О | Г | "Solcoseryl" |
|  |  |  |
| В | 0251 | The drugs obtained from the lungs include: |
| О | А | "Aprotininum" |
| О | Б | Timalin |
| О | В | "Corticotropin" |
| О | Г | "Solcoseryl" |
|  |  |  |
| В | 0252 | The drugs obtained from the heart include: |
| О | А | "Cytochrome C" |
| О | Б | "Corticotropin" |
| О | В | "Aprotinin" |
| О | Г | "Solcoseryl" |
|  |  |  |
| В | 0253 | The drugs obtained from the gastric mucosa include: |
| О | А | "Pepsin" |
| О | Б | "Cytochrome C" |
| О | В | "Corticotropin" |
| О | Г | "Aprotinin" |
|  |  |  |
| В | 0254 | The drugs obtained from the pancreas include: |
| О | А | "Insulin" |
| О | Б | "Corticotropin" |
| О | В | "Aprotinin" |
| О | Г | "Pepsin" |
|  |  |  |
| В | 0255 | The drugs obtained from the pancreas include: |
| О | А | "Pancreatin" |
| О | Б | "Corticotropin" |
| О | В | "Aprotinin" |
| О | Г | "Pepsin" |
|  |  |  |
| В | 0256 | Cartilage-derived preparations include: |
| О | А | "Chondrolonum" |
| О | Б | "Insulin" |
| О | В | "Corticotropin" |
| О | Г | "Aprotinin" |
|  |  |  |
| В | 0257 | Blood-derived drugs include: |
| О | А | "Solcoserylum" |
| О | Б | "Insulin" |
| О | В | "Corticotropin" |
| О | Г | "Calcitonin" |
|  |  |  |
| В | 0258 | Blood-derived drugs include: |
| О | А | "Actoveginum" |
| О | Б | "Insulin" |
| О | В | "Corticotropin" |
| О | Г | "Calcitonin" |
|  |  |  |
| В | 0259 | The drug "Viprosal B" is obtained from: |
| О | А | snake venom |
| О | Б | lanolin |
| О | В | spermacet |
| О | Г | royal jelly |
|  |  |  |
| В | 0260 | The drug "Proposol" is obtained from: |
| О | А | propolis |
| О | Б | snake venom |
| О | В | spermacet |
| О | Г | royal jelly |
|  |  |  |
| В | 0261 | The drug "Apizatron" is obtained from: |
| О | А | bee venom |
| О | Б | propolis |
| О | В | bee bread |
| О | Г | royal jelly |
|  |  |  |
| В | 0262 | The drug "Thymactidum"is obtained from: |
| О | А | thymus |
| О | Б | propolis |
| О | В | bee venom |
| О | Г | royal jelly |
|  |  |  |
| В | 0263 | The drug "Vitamedin-M" is obtained from: |
| О | А | honey |
| О | Б | propolis |
| О | В | bee venom |
| О | Г | bee bread |
|  |  |  |
| В | 0264 | The drug "Hematogen" is obtained from: |
| О | А | antler deer blood |
| О | Б | propolis |
| О | В | bee venom |
| О | Г | snake venom |
|  |  |  |
| В | 0265 | The drug "Pantocrin" is obtained from: |
| О | А | deer antlers |
| О | Б | snake venom |
| О | В | lanolin |
| О | Г | spermacet |
|  |  |  |
| В | 0266 | Apilak is ... ..: |
| О | А | dry matter of native "royal jelly" |
| О | Б | the secret of the pharyngeal and maxillary glands of bees |
| О | В | worker bee deposit |
| О | Г | the product of the secretory activity of the poisonous glands of the bee and is a means of protection |
|  |  |  |
| В | 0267 | Mumiyo(mumijo) mountain butter is ... ..: |
| О | А | product formed under the influence of physical and chemical phenomena of nature |
| О | Б | class of sponges with a skeleton of silica |
| О | В | dry matter of native "royal jelly" |
| О | Г | the secret of the pharyngeal and maxillary glands of bees |
|  |  |  |
| В | 0268 | Lanolin is ... ..: |
| О | А | refined fat-like substance secreted by the skin glands of sheep |
| О | Б | a waxy mass excreted from the fat of a sperm whale |
| О | В | product formed under the influence of physical and chemical phenomena of nature |
| О | Г | class of sponges with a skeleton of silica |
|  |  |  |
| В | 0269 | Spermaceti is ... ..: |
| О | А | a waxy mass excreted from the fat of a sperm whale |
| О | Б | refined fat-like substance secreted by the skin glands of sheep |
| О | В | product formed under the influence of physical and chemical phenomena of nature |
| О | Г | class of sponges with a skeleton of silica |
|  |  |  |
| В | 0270 | (Spongillidae) is ... ..: |
| О | А | class of sponges with a skeleton of silica |
| О | Б | product formed under the influence of physical and chemical phenomena of nature |
| О | В | dry matter of native "royal jelly" |
| О | Г | the secret of the pharyngeal and maxillary glands of bees |
|  |  |  |
| В | 0271 | Royal jelly is ... ..: |
| О | А | the secret of the pharyngeal and maxillary glands of bees |
| О | Б | dry matter of native "royal jelly" |
| О | В | the product of the secretory activity of the poisonous glands of the bee and is a means of protection |
| О | Г | product formed under the influence of physical and chemical phenomena of nature |
|  |  |  |
| В | 0272 | Bee venom is ... ..: |
| О | А | the product of the secretory activity of the poisonous glands of the bee and is a means of protection |
| О | Б | the secret of the pharyngeal and maxillary glands of bees |
| О | В | dry matter of native "royal jelly" |
| О | Г | product formed under the influence of physical and chemical phenomena of nature |
|  |  |  |
| В | 0273 | The source of obtaining the drugs «Nigvisal B», «Najaxinum», «Vipratox» is: |
| О | А | snake venoms |
| О | Б | deer antlers |
| О | В | waste products of bees |
| О | Г | medicinal leeches |
|  |  |  |
| В | 0274 | The source of obtaining the drugs "Propolin", "Proposol", "Propomizol", "Amprovizol" is: |
| О | А | the waste products of bees |
| О | Б | snake venoms |
| О | В | deer antlers |
| О | Г | medicinal leeches |
|  |  |  |
| В | 0275 | Medicinal products of mineral origin include: |
| О | А | peloidin |
| О | Б | cardiovalen |
| О | В | korglikon |
| О | Г | propolis |
|  |  |  |
| В | 0276 | Humisol is |
| О | А | humic acid solution |
| О | Б | healing mud extract |
| О | В | dry mud extract |
| О | Г | oil extract of medicinal plant raw materials |
|  |  |  |
| В | 0277 | Hydrogen sulfide sludge is one of the types of medicinal mud formed at the bottom: |
| О | А | of salt lakes |
| О | Б | freshwater lakes |
| О | В | river backwaters |
| О | Г | rivers |
|  |  |  |
| В | 0278 | Hydrogen sulfide sludge is one of the types of medicinal mud formed at the bottom: |
| О | А | sea bays, estuaries |
| О | Б | freshwater lakes |
| О | В | river backwaters |
| О | Г | rivers |
|  |  |  |
| В | 0279 | The main manifestations of the therapeutic effect of mud therapy are: |
| О | А | desensitizing |
| О | Б | anti-inflammatory |
| О | В | absorbable |
| О | Г | regenerative |
|  |  |  |
| В | 0280 | The main manifestations of the therapeutic effect of mud therapy are: |
| О | А | desensitizing |
| О | Б | pain reliever |
| О | В | absorbable |
| О | Г | regenerative |
|  |  |  |
| В | 0281 | Inorganic compounds prevail in the composition of therapeutic mud: |
| О | А | in sulphide-silt |
| О | Б | in peat |
| О | В | in sapropels |
| О | Г | in naftalan |
|  |  |  |
| В | 0282 | Inorganic compounds prevail in the composition of therapeutic mud: |
| О | А | in sulphide-silt |
| О | Б | in the mud of the hills |
| О | В | in peat |
| О | Г | in sapropels |
|  |  |  |
| В | 0283 | Sapropel mud is formed at the bottom of: |
| О | А | fresh water |
| О | Б | salt water |
| О | В | in any body of water |
| О | Г | estuaries |
|  |  |  |
| В | 0284 | Sapropel mud is formed at the bottom: |
| О | А | fresh water |
| О | Б | volcano craters |
| О | В | estuaries |
| О | Г | in any body of water |
|  |  |  |
| В | 0285 | Sapropel mud has: |
| О | А | gray-brown color |
| О | Б | black color |
| О | В | grey colour |
| О | Г | Brown color |
|  |  |  |
| В | 0286 | Bottom sediments of salt water bodies are |
| О | А | seaside sulphide mud |
| О | Б | silt mud of saline reservoirs |
| О | В | marine sulphide mud |
| О | Г | continental silt sulphide mud |
|  |  |  |
| В | 0287 | Dirt of black or dark gray color, with the smell of hydrogen sulfide and soft to the touch is |
| О | А | silt mud of saline reservoirs |
| О | Б | seaside sulphide mud |
| О | В | marine sulphide mud |
| О | Г | continental silt sulphide mud |
|  |  |  |
| В | 0288 | Bottom sediments of salty continental lakes are |
| О | А | continental silt sulphide mud |
| О | Б | silt mud of saline reservoirs |
| О | В | seaside sulphide mud |
| О | Г | marine sulphide mud |
|  |  |  |
| В | 0289 | Mud, which is a type of bog sediments, distinguished from others by a high degree of decomposition (more than 40%) |
| О | А | peat therapeutic mud |
| О | Б | sapropel mud |
| О | В | silt mud |
| О | Г | mud |
|  |  |  |
| В | 0290 | Mud, which is a type of bog sediments, distinguished from others by a high degree of decomposition (more than 40%) |
| О | А | peat therapeutic mud |
| О | Б | sapropel mud |
| О | В | silt mud |
| О | Г | hillside mud |
|  |  |  |
| В | 0291 | Mud, which is of deep origin and is found in areas of oil and gas fields, is |
| О | А | Hillside mud |
| О | Б | peat therapeutic mud |
| О | В | sapropel mud |
| О | Г | silt mud |
|  |  |  |
| В | 0292 | Mud, which is originated from organogenic bottom sediments of mainly fresh water bodies, is |
| О | А | sapropel mud |
| О | Б | silt mud |
| О | В | hillside mud |
| О | Г | peat therapeutic mud |
|  |  |  |
| В | 0293 | Mud formed at the bottom of mineral (salt) reservoirs. |
| О | А | silt mud |
| О | Б | sapropel mud |
| О | В | hillside mud |
| О | Г | peat therapeutic mud |
|  |  |  |
| В | 0294 | Dirt that looks black or dark gray, smells of hydrogen sulfide, and is soft to the touch. |
| О | А | silt mud |
| О | Б | sapropel mud |
| О | В | hill mud |
| О | Г | peat therapeutic mud |
|  |  |  |
| В | 0295 | The mud is predominantly of mineral composition, light gray in color is |
| О | А | hill mud |
| О | Б | peat therapeutic mud |
| О | В | silt mud |
| О | Г | sapropel mud |
|  |  |  |
| В | 0296 | Find the error.  Mineral water classification: |
| О | А | for baths and irrigation |
| О | Б | medicinal |
| О | В | medical dining rooms |
| О | Г | natural dining rooms |
|  |  |  |
| В | 0297 | Natural mineral waters with a salt content of no more than 1 gram per liter are |
| О | А | table mineral waters |
| О | Б | medicinal table mineral waters |
| О | В | medicinal mineral waters |
| О | Г | preventive mineral waters |
|  |  |  |
| В | 0298 | Mineral waters with a salt content of up to 10 grams of salt per liter are |
| О | А | medicinal table mineral waters |
| О | Б | table mineral waters |
| О | В | medicinal mineral waters |
| О | Г | preventive mineral waters |
|  |  |  |
| В | 0299 | Mineral water with the highest mineralization, more than 10 grams of salt per liter is |
| О | А | medicinal mineral waters |
| О | Б | preventive mineral waters |
| О | В | medicinal table mineral waters |
| О | Г | table mineral waters |
|  |  |  |
| В | 0300 | Mineral water contains - |
| О | А | biologically active mineral components |
| О | Б | biologically active plant components |
| О | В | biologically active components of animal origin |
| О | Г | biologically active mineral and plant components |
|  |  |  |
| В | 0301 | By chemical composition, all mineral waters do NOT contain : |
| О | А | selenium |
| О | Б | hydrocarbonate |
| О | В | chloride |
| О | Г | sulfate |
|  |  |  |
| В | 0302 | By the level of mineralization, all mineral waters are NOT : |
| О | А | demineralized |
| О | Б | slightly mineralized |
| О | В | medium mineralized |
| О | Г | highly mineralized |
|  |  |  |
| В | 0303 | Coarse mud contains: |
| О | А | more than 50% of the particle skeleton larger than 0.01 mm |
| О | Б | more than 30% of the particle skeleton larger than 0.05 mm |
| О | В | more than 20% of the particle skeleton larger than 0.01 mm |
| О | Г | more than 50% of the particle skeleton larger than 0.1 mm |
|  |  |  |
| В | 0304 | Fine muds are muds dominated by |
| О | А | particles finer than 0.01 mm |
| О | Б | particles larger than 0.01 mm |
| О | В | particles finer than 0.5 mm |
| О | Г | particles larger than 0.5 mm |
|  |  |  |
| В | 0305 | Actinomycetes are |
| О | А | multicellular bacteria |
| О | Б | unicellular bacteria |
| О | В | protozoa |
| О | Г | seaweed |
|  |  |  |
| В | 0306 | Actinomycetes synthesize: |
| О | А | antibiotics |
| О | Б | probiotics |
| О | В | prebiotics |
| О | Г | Dietary supplements |
|  |  |  |
| В | 0307 | Actinomycetes DO NOT produce: |
| О | А | erythromycin |
| О | Б | kanamycin |
| О | В | neomycin |
| О | Г | lincomycin |
|  |  |  |
| В | 0308 | Natural chloramphenicol (chloramphenicol) is produced by: |
| О | А | Streptomyces venezuelae |
| О | Б | Streptomyces linconiensis |
| О | В | Streptomyces mediterranei |
| О | Г | Actinomyces iracie |
|  |  |  |
| В | 0309 | The drug Rifampicin is produced by: |
| О | А | Streptomyces mediterranei |
| О | Б | Streptomyces Linconiensis |
| О | В | Streptomyces venezuelae |
| О | Г | Actinomyces iracie |
|  |  |  |
| В | 0310 | Molds synthesize natural B-lactams and: |
| О | А | fusidic acid |
| О | Б | lactic acid |
| О | В | acetic acid |
| О | Г | citric acid |
|  |  |  |
| В | 0311 | The first antibiotic isolated in 1952 from mushrooms is of the genus: |
| О | А | Streptimyces |
| О | Б | Moniliaceae |
| О | В | Penicillium |
| О | Г | Acremonium |
|  |  |  |
| В | 0312 | B-lactam antibiotics include: |
| О | А | penicillin |
| О | Б | kanamycin |
| О | В | oxytetracycline |
| О | Г | rifampicin |
|  |  |  |
| В | 0313 | The drug Erythromycin is obtained from: |
| О | А | soil fungus |
| О | Б | Actinomycete |
| О | В | bacteria |
| О | Г | algae |
|  |  |  |
| В | 0314 | In the industrial production of penicillins, aminopenicillanic acid is first obtained from the culture: |
| О | А | mold fungus Penicillium chrysogenum |
| О | Б | Streptomyces linconiensis |
| О | В | Streptomyces venezuelae |
| О | Г | Actinomyces iracie |
|  |  |  |
| В | 0315 | Natural penicillins include : |
| О | А | benzylpenicillin |
| О | Б | oscillin |
| О | В | ampicillin |
| О | Г | carbenicillin |
|  |  |  |
| В | 0316 | Penicillins are a group of antibiotics that do not include the following drug: |
| О | А | Ceftobiprol |
| О | Б | Amoxicillin |
| О | В | Ampicillin |
| О | Г | Azlocillin |
|  |  |  |
| В | 0317 | Bacteria produce drugs that have an : |
| О | А | antibacterial action |
| О | Б | anti-inflammatory action |
| О | В | hemostatic action |
| О | Г | sedative effect |
|  |  |  |
| В | 0318 | Most antibiotics of bacterial origin are: |
| О | А | polypeptides |
| О | Б | nucleotides |
| О | В | polymers |
| О | Г | phospholipids |
|  |  |  |
| В | 0319 | Natural antibiotics produced by microorganisms DO NOT include: |
| О | А | oxacillinum |
| О | Б | benzyl penicillin |
| О | В | sodium and potassium salts |
| О | Г | erythromycin |
|  |  |  |
| В | 0320 | Semi-synthetic antibiotics include: |
| О | А | coarithromycin |
| О | Б | cycloserine |
| О | В | azlocine |
| О | Г | chloramphenicol |
|  |  |  |
| В | 0321 | Synthetic antibiotics include: |
| О | А | cycloserine |
| О | Б | rifampicin |
| О | В | metacyclin |
| О | Г | oxacillin |
|  |  |  |
| В | 0322 | Gramicidin C was isolated from strains: |
| О | А | soil bacilli |
| О | Б | saprophytic bacilli |
| О | В | endophytic bacilli |
| О | Г | exophytic bacilli |
|  |  |  |
| В | 0323 | Peptide antibiotics are synthesized by bacilli - producers at the stage of : |
| О | А | Active growth |
| О | Б | sporulation |
| О | В | breeding |
| О | Г | aging |
|  |  |  |
| В | 0324 | Cyclic oligopeptides synthesized by bacteria of the genus Bacillus suppress: |
| О | А | cell wall synthesis |
| О | Б | formation of 30 S-ribosomal complexes |
| О | В | disrupt the function of membranes |
| О | Г | DNA synthesis |
|  |  |  |
| В | 0325 | Bacillomixin, an antibiotic complex, is a polypeptide that does NOT contain: |
| О | А | proline |
| О | Б | tyrosine |
| О | В | serine |
| О | Г | threonine |
|  |  |  |
| В | 0326 | Check the antibiotics you got from molds: |
| О | А | penicillin |
| О | Б | fusidin |
| О | В | ceftriaxone |
| О | Г | sulfonamides |
|  |  |  |
| В | 0327 | Check the antibiotics you got from molds: |
| О | А | grisiofulvin |
| О | Б | fusidin |
| О | В | ceftriaxone |
| О | Г | sulfonamides |
|  |  |  |
| В | 0328 | Natural penicillins include: |
| О | А | chloramphenicol |
| О | Б | ampicillin |
| О | В | amoxicillin |
| О | Г | meropenem |
|  |  |  |
| В | 0329 | Natural penicillins include: |
| О | А | Bicillin |
| О | Б | Cefaclor |
| О | В | Benzylpenicillin novocaine salt. |
| О | Г | meropenem |
|  |  |  |
| В | 0330 | Natural penicillins include: |
| О | А | azithromycin |
| О | Б | nalidixic acid |
| О | В | nitroxoline |
| О | Г | ampicillin |
|  |  |  |
| В | 0331 | Semi-synthetic penicillins include: |
| О | А | oxacillin |
| О | Б | benzylpenicillin sodium salt |
| О | В | benzylpenicillin novocaine salt |
| О | Г | bicillins |
|  |  |  |
| В | 0332 | Semi-synthetic penicillins include: |
| О | А | ampicillin |
| О | Б | benzylpenicillin sodium salt |
| О | В | benzylpenicillin novocaine salt |
| О | Г | bicillins |
|  |  |  |
| В | 0333 | Fungi do not synthesize |
| О | А | tetracycline |
| О | Б | cephalosporin |
| О | В | griseofulvin |
| О | Г | penicillin |
|  |  |  |
| В | 0334 | Fungi do not synthesize |
| О | А | streptomycin |
| О | Б | cephalosporin |
| О | В | griseofulvin |
| О | Г | penicillin |
|  |  |  |
| В | 0335 | Essential oils are ... |
| О | А | odorous substances that are produced by essential oil plants and determine their smell and practical value. |
| О | Б | proteins of various chemical structures, taking part in metabolism and being vital. |
| О | В | specific proteins present in all living cells and playing the role of biological catalysts. |
| О | Г | nitrogen-containing alkali-like compounds formed in plant organisms. |
|  |  |  |
| В | 0336 | The substances of primary synthesis do NOT include: |
| О | А | essential oils |
| О | Б | proteins |
| О | В | lipids |
| О | Г | carbohydrates |
|  |  |  |
| В | 0337 | Volatile liquid mixtures of aromatic organic substances, insoluble in water, distilled with water vapor, are called: |
| О | А | essential oils |
| О | Б | flavonoids |
| О | В | alkaloids |
| О | Г | tannins |
|  |  |  |
| В | 0338 | Juniper fruits are standardized by the method: |
| О | А | distillation with water and steam |
| О | Б | spectrophotometry |
| О | В | gravimetry |
| О | Г | iodometry |
|  |  |  |
| В | 0339 | Sage leaf (Salvia officinalis) standardization is carried out by the method: |
| О | А | distillation with water and steam |
| О | Б | spectrophotometry |
| О | В | gravimetry |
| О | Г | iodometry |
|  |  |  |
| В | 0340 | What method is used to establish benignity herbal raw materials "lavender flowers"? |
| О | А | steam distillation |
| О | Б | titrimetric analysis |
| О | В | biological analysis |
| О | Г | chromatographic analysis |
|  |  |  |
| В | 0341 | Which method is the basis for the quantitative determination of the essential oil content in eucalyptus leaves according to the pharmacopoeial method: |
| О | А | steam distillation |
| О | Б | enfleurage |
| О | В | pressing |
| О | Г | organic solvent extraction |
|  |  |  |
| В | 0342 | What method is used to obtain essential oil from rose flowers? |
| О | А | enfleurage |
| О | Б | steam distillation |
| О | В | biological standardization |
| О | Г | chromatographic analysis |
|  |  |  |
| В | 0343 | One of the methods for obtaining essential oil is the enfleurage or absorption method. Indicate from which medicinal plant the essential oil is obtained by this method: |
| О | А | damask rose petals |
| О | Б | lemon peel |
| О | В | mint leaves |
| О | Г | chamomile flowers |
|  |  |  |
| В | 0344 | An indicator of the quality of eucalyptus oil is: |
| О | А | acid number |
| О | Б | iodine number |
| О | В | foam number |
| О | Г | swelling index |
|  |  |  |
| В | 0345 | Arnica flowers are used as a hemostatic agent for bruises and injuries. The procurement of this raw material is produced by: |
| О | А | At the beginning of the flowering |
| О | Б | During budding |
| О | В | During flowering |
| О | Г | Harvesting of flowers and fruits is allowed |
|  |  |  |
| В | 0346 | Common juniper is used as a diuretic, anti-inflammatory and choleretic agent. MPs of this plant are: |
| О | А | Fruit |
| О | Б | Leaves |
| О | В | Seeds |
| О | Г | Roots |
|  |  |  |
| В | 0347 | Chamomile flowers contain a blue essential oil, the main component of which is: |
| О | А | Hamazulen |
| О | Б | Arnifoline |
| О | В | Bornilizalerianate |
| О | Г | Cineol |
|  |  |  |
| В | 0348 | Volatile liquids capable of steam distillation include: |
| О | А | essential oils |
| О | Б | flavonoids |
| О | В | alkaloids |
| О | Г | coumarins |
|  |  |  |
| В | 0349 | The main component of Thyme creeping essential oil is: |
| О | А | thymol |
| О | Б | hamazulen |
| О | В | cineole |
| О | Г | menthol |
|  |  |  |
| В | 0350 | The main component of Eucalyptus viminalis essential oil: |
| О | А | cineole |
| О | Б | menthol |
| О | В | hamazulen |
| О | Г | thymol |
|  |  |  |
| В | 0351 | The method in which the released essential oil is absorbed by adsorbents is called: |
| О | А | enfleurage |
| О | Б | extraction |
| О | В | steam distillation |
| О | Г | pressing |
|  |  |  |
| В | 0352 | What kind of yarrow is allowed for use in medicine? |
| О | А | (Achillea millefolium) |
| О | Б | (Achillea micranta) |
| О | В | Achillea nobilis) |
| О | Г | (Achillea setacea) |
|  |  |  |
| В | 0353 | For rinsing the mouth, the doctor advised the drug "Rotokan", which includes: liquid extracts of chamomile and calendula flowers. Indicate the missing medicinal product: |
| О | А | Flores Millefolii |
| О | Б | Flores Helichrysy arenari |
| О | В | Herba Hyperici |
| О | Г | Herba Violae arvensis |
|  |  |  |
| В | 0354 | The content of what active substances is determined in the raw material "common thyme herb" (Thymus vulgaris) in accordance with the requirements of the Pharmacopoeia? |
| О | А | essential oil |
| О | Б | flavonoids |
| О | В | saponins |
| О | Г | extractives |
|  |  |  |
| В | 0355 | Menthol has analgesic and antiseptic effects. Select an MPR - a source of menthol: |
| О | А | Peppermint Leaves (Folia Menthae pіperіtae) |
| О | Б | Sage Leaves (Folia Salviae) |
| О | В | Eucalyptus leaves (Folia Eucalyptі) |
| О | Г | Birch Leaves (Folia Betulae) |
|  |  |  |
| В | 0356 | What method is used to obtain menthol from essential oil? |
| О | А | freezing |
| О | Б | extraction with organic solvents |
| О | В | by the method of anflerage |
| О | Г | pressing |
|  |  |  |
| В | 0357 | What is the characteristic smell of peppermint herb essential oil? |
| О | А | menthol |
| О | Б | cymene |
| О | В | citral |
| О | Г | thymol |
|  |  |  |
| В | 0358 | What essential oil is used in the pharmaceutical, confectionery and perfume industries. ? |
| О | А | peppermint |
| О | Б | common tansy |
| О | В | horsetail ephedra |
| О | Г | field steel-box |
|  |  |  |
| В | 0359 | Freshly picked lemon balm leaves are dried in the shade at a temperature of 350C. What substances in the raw material determine such drying conditions? |
| О | А | essential oil |
| О | Б | alkaloid |
| О | В | cardiac glycosides |
| О | Г | polysaccharides |
|  |  |  |
| В | 0360 | The quality of raw materials "birch buds" is regulated by the content: |
| О | А | essential oil |
| О | Б | vitamins |
| О | В | lipids |
| О | Г | saponins |
|  |  |  |
| В | 0361 | The phytopreparation “Phytolysin” contains an extract from the following medicinal plant: |
| О | А | Oregano- Origanum vulgare |
| О | Б | Astragalus dasyanthus |
| О | В | Althea officinalis |
| О | Г | Ononis arvensis |
|  |  |  |
| В | 0362 | For the manufacture at the plant of the galenic preparation "Pertusinum", which has expectorant properties, use the herb extract: |
| О | А | (Thymus serpyllum) |
| О | Б | (Bursae pastoris) |
| О | В | (Hyperіcі perforatі) |
| О | Г | (Erysіmі dіffuse) |
|  |  |  |
| В | 0363 | A patient turned to the pharmacy with a request to release the drug "Pertusinum" for him as a cough remedy. The infusion of which medicinal plant can be recommended as a substitute in the absence of the drug. |
| О | А | Herba Thymi serpylli |
| О | Б | Folium Cassiae acutifoliae |
| О | В | Folium Menthae piperitae |
| О | Г | Herba Leonuri quinquelobati |
|  |  |  |
| В | 0364 | The drug "Pertusin" is used as an expectorant. The preparation includes: |
| О | А | Thyme herb extract |
| О | Б | Black henbane leaf extract |
| О | В | Sage officinalis leaf extract |
| О | Г | Stinging nettle leaf extract |
|  |  |  |
| В | 0365 | Thymol has a pronounced antiseptic effect. Choose an HPR - a source of thymol. |
| О | А | Herba Thymі vuldarіs |
| О | Б | Folіa Salvіae |
| О | В | Folіa Eucalyptі |
| О | Г | Folіa Betulae |
|  |  |  |
| В | 0366 | The aromatic terpenoid thymol exhibits an antiseptic effect in the composition of essential oils of medicinal plants. Which plant contains this compound? |
| О | А | Thymus vulgare L. |
| О | Б | Coriandrum sativum L. |
| О | В | Lavandula spica L. |
| О | Г | Salvia officinalis L. |
|  |  |  |
| В | 0367 | In case of acute respiratory disease, the doctor advised the medicinal collection "Elekasol", which includes: herba bidentis, flores chamomilla erecutitae, radices glycyrrhizae, folia eucalypti viminalis, flores calendulae. Indicate the missing medicinal product: |
| О | А | folia Salviae |
| О | Б | folia Urticae |
| О | В | folia Plantaginis majoris |
| О | Г | folia Stramonii |
|  |  |  |
| В | 0368 | Sage leaves (Salvia officinalis) exhibit antimicrobial, astringent and anti-inflammatory effects, and preparations from them are used in dental practice. Indicate the name of the drug that is produced as an acetone extraction from this raw material? |
| О | А | Salvin |
| О | Б | Rotokan |
| О | В | Urolesan |
| О | Г | Vikair |
|  |  |  |
| В | 0369 | The herbal medicine "Salvin" is used as an astringent, anti-inflammatory and antimicrobial agent. The source for obtaining "Salvin" are: |
| О | А | folia Salviae |
| О | Б | herba Equisetiar vensis |
| О | В | folia Menthae piperitae |
| О | Г | herba Leonuri |
|  |  |  |
| В | 0370 | When receiving plant substances, the fruits of which plant are the raw materials for obtaining expectorant drugs: |
| О | А | Anisi vulgaris |
| О | Б | Sophorae japonicae |
| О | В | Schizandrae chinénsis |
| О | Г | Dauci carotae |
|  |  |  |
| В | 0371 | What medicinal product is used to obtain “Efcamon” ointment? |
| О | А | Folіa Eucalyptі |
| О | Б | Folіa Salvіae |
| О | В | Fructus Corіandrі |
| О | Г | Flores Chamomіllae |
|  |  |  |
| В | 0372 | In medical practice, natural, synthetic and semi-synthetic camphor is used. Name the plant from which semi-synthetic camphor is obtained: |
| О | А | Abies sibirica |
| О | Б | Pinus silvestris |
| О | В | Cinnamomum cámphora |
| О | Г | Juniperus communis |
|  |  |  |
| В | 0373 | When analyzing the essential oil, it was found that it contains anethole. What medicinal plant this oil was obtained from: |
| О | А | Anіsum vulgare |
| О | Б | Corіandrum satіvum |
| О | В | Valerіana offіcіnalіs |
| О | Г | Allіum satіvum |
|  |  |  |
| В | 0374 | The presence of essential oil in raw materials can be detected by reaction with: |
| О | А | Sudan III |
| О | Б | Lugol's solution |
| О | В | iron-ammonium alum |
| О | Г | p-nitroaniline |
|  |  |  |
| В | 0375 | CO2-extraction method is used to obtain: |
| О | А | oils, oil extracts, essential oils |
| О | Б | dry and thick extracts |
| О | В | maximally purified preparations and preparations of individual substances |
| О | Г | tinctures |
|  |  |  |
| В | 0376 | In which raw materials are essential oils the main group of biologically active substances? |
| О | А | Herba Melissae officinalis |
| О | Б | fructus Rosae |
| О | В | radices Althaeae |
| О | Г | fructus Rosae |
|  |  |  |
| В | 0377 | Essential oils are the main group of biologically active substances in: |
| О | А | folia Menthae piperitae |
| О | Б | fructus Rosae |
| О | В | folia Senna cassiae |
| О | Г | rhizomata Bistortae |
|  |  |  |
| В | 0378 | Yarrow herb ( Achillea millefolium )is standardized in terms of content of: |
| О | А | essential oil |
| О | Б | bitterness |
| О | В | extractives |
| О | Г | thymol |
|  |  |  |
| В | 0379 | Peppermint leaves are standardized in terms of content: |
| О | А | essential oil |
| О | Б | vitamins |
| О | В | extractives |
| О | Г | tannins |
|  |  |  |
| В | 0380 | Pharmacy chamomile (chamomilla officinalis) flowers are standardized in terms of content: |
| О | А | essential oil |
| О | Б | vitamins |
| О | В | extractives |
| О | Г | tannins |
|  |  |  |
| В | 0381 | Vitamin preparation used for burns, frostbite, infectious diseases: |
| О | А | retinol |
| О | Б | ergocalciferol |
| О | В | tocopherol |
| О | Г | routine |
|  |  |  |
| В | 0382 | Vitamin that increases the permeability of the intestinal epithelium for calcium and phosphorus: |
| О | А | ergocalciferol |
| О | Б | retinol |
| О | В | riboflavin |
| О | Г | tocopherol |
|  |  |  |
| В | 0383 | Vitamins are the main group of biologically active substances in: |
| О | А | fructus Hippophaes rhamnoides |
| О | Б | flores Crataegi |
| О | В | folia Plantaginis majoris |
| О | Г | herba Millefolii |
|  |  |  |
| В | 0384 | Vitamins are the main group of biologically active substances in: |
| О | А | Folia Urticae |
| О | Б | Flores Crataegi |
| О | В | Herba Leonuri |
| О | Г | Herba Melissae |
|  |  |  |
| В | 0385 | According to the requirements of the Pharmacopoeia Monograph, rose hips are standardized in terms of content: |
| О | А | ascorbic acid |
| О | Б | extractives recoverable with alcohol 70% |
| О | В | the amount of vitamins |
| О | Г | standardization is not provided |
|  |  |  |
| В | 0386 | Dihydroquercetin belongs to the chemical group: |
| О | А | flavonoids |
| О | Б | polysaccharides |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0387 | Quercetin belongs to the chemical group: |
| О | А | flavonoids |
| О | Б | polysaccharides |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0388 | Rutin belongs to the chemical group: |
| О | А | flavonoids |
| О | Б | polysaccharides |
| О | В | anthraglycosides |
| О | Г | saponins |
|  |  |  |
| В | 0389 | Digitoxin belongs to the chemical group: |
| О | А | cardiac glycosides |
| О | Б | flavonoids |
| О | В | anthraglycosides |
| О | Г | saponins |
|  |  |  |
| В | 0390 | The most purified drugs from the group of cardiac glycosides include: |
| О | А | adoniside |
| О | Б | plantagoglucid |
| О | В | solcoseryl |
| О | Г | alpizarin |
|  |  |  |
| В | 0391 | What chemical group does digoxin belong to? |
| О | А | cardiac glycosides |
| О | Б | flavonoids |
| О | В | tannins |
| О | Г | saponins |
|  |  |  |
| В | 0392 | What chemical group does strophanthidine belong to? |
| О | А | cardiac glycosides |
| О | Б | flavonoids |
| О | В | tannins |
| О | Г | saponins |
|  |  |  |
| В | 0393 | Strofantin-K belongs to the chemical group: |
| О | А | cardiac glycosides |
| О | Б | flavonoids |
| О | В | tannins |
| О | Г | saponins |
|  |  |  |
| В | 0394 | Glaucine belongs to the chemical group: |
| О | А | alkaloids |
| О | Б | flavonoids |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0395 | Colchicine belongs to the chemical group: |
| О | А | alkaloids |
| О | Б | flavonoids |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0396 | Morphine belongs to the chemical group: |
| О | А | alkaloids |
| О | Б | flavonoids |
| О | В | cardiac glycosides |
| О | Г | anthraglycosides |
|  |  |  |
| В | 0397 | Caffeine belongs to the chemical group: |
| О | А | alkaloids |
| О | Б | flavonoids |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0398 | Berberine belongs to the chemical group: |
| О | А | alkaloids |
| О | Б | phenols |
| О | В | cardiac glycosides |
| О | Г | saponins |
|  |  |  |
| В | 0399 | From the medicinal plant raw materials " « herba Hyperici » ", a medicinal product is produced: |
| О | А | nigrustinum |
| О | Б | flamin |
| О | В | beroxane |
| О | Г | flacarbine |
|  |  |  |
| В | 0400 | From the medicinal plant raw materials « herba Hyperici », a medicinal product is produced: |
| О | А | deprim |
| О | Б | tanacehol |
| О | В | romazulan |
| О | Г | flacarbine |
|  |  |  |
| В | 0401 | A medicinal product is produced from the medicinal plant material "Echinacea purpurea grass": |
| О | А | immunal |
| О | Б | nigrustin |
| О | В | romazulan |
| О | Г | flacarbine |
|  |  |  |
| В | 0402 | A medicinal product is produced from the medicinal plant material «Flores Sylibumi mariani»: |
| О | А | carsilum |
| О | Б | nigrustin |
| О | В | romazulan |
| О | Г | immunal |
|  |  |  |
| В | 0403 | A medicinal product is produced from the medicinal plant material "chamomile flowers" « Flores Chamomilla erecutitae »: |
| О | А | romazulan |
| О | Б | ledin |
| О | В | tanacehol |
| О | Г | salvin |
|  |  |  |
| В | 0404 | What medicinal plant materials are used to produce the drug "Eucalimin"? |
| О | А | Eucalipti viminalis |
| О | Б | Rhodiolae roseae |
| О | В | Calendulae officinalis |
| О | Г | Chamomilla erecutitae |
|  |  |  |
| В | 0405 | The drug "Karsil" "Carsil" is made from medicinal plant materials: |
| О | А | Sylibumi mariani |
| О | Б | rhodiola rosea |
| О | В | calendula officinalis |
| О | Г | cinnamon rosehip |
|  |  |  |
| В | 0406 | The drug "Bilobil" is made from medicinal plant materials: |
| О | А | ginkgo biloba |
| О | Б | hyoscyami niger |
| О | В | eucalipti viminalis |
| О | Г | berberidis vulgaris |
|  |  |  |
| В | 0407 | The drug "Tanakan" is made from medicinal plant materials: |
| О | А | ginkgo biloba |
| О | Б | Cotini coggygriae |
| О | В | Eucalipti viminalis |
| О | Г | Rosa cinnamomea |
|  |  |  |
| В | 0408 | The drug "Tanacehol" is made from medicinal plant materials: |
| О | А | Tanaceti vulgare |
| О | Б | Chamomilla erecutitae |
| О | В | Eucalipti viminalis |
| О | Г | Araliae mandshuricae |
|  |  |  |
| В | 0409 | The drug "Immunal" is made from medicinal plant materials: |
| О | А | Echinacea purpurea |
| О | Б | rhodiola rosea |
| О | В | eucalyptus |
| О | Г | cinnamon rosehip |
|  |  |  |
| В | 0410 | The drug "Glysiram" is made from medicinal plant materials: |
| О | А | Glycyrrhizae glabra |
| О | Б | Sylibumi mariani |
| О | В | Eucalipti viminalis |
| О | Г | Rosa cinnamomea |
|  |  |  |
| В | 0411 | The preparation "Flamin" is made from medicinal plant materials: |
| О | А | Helichrysy arenarii |
| О | Б | Rhodiolae roseae |
| О | В | Eucalipti viminalis |
| О | Г | Rosa cinnamomea |
|  |  |  |
| В | 0412 | What is the main pharmacological action typical for the drug "Bilobil"? |
| О | А | nootropic |
| О | Б | tonic |
| О | В | astringent |
| О | Г | sedative |
|  |  |  |
| В | 0413 | The drug "Senade" is characterized by the main pharmacological action: |
| О | А | laxative |
| О | Б | tonic |
| О | В | astringent |
| О | Г | expectorant |
|  |  |  |
| В | 0414 | The drug "Senadexin" is characterized by the main pharmacological action: |
| О | А | laxative |
| О | Б | tonic |
| О | В | astringent |
| О | Г | sedative |
|  |  |  |
| В | 0415 | The products of secondary metabolism are NOT: |
| О | А | carbohydrates |
| О | Б | flavonoids |
| О | В | terpenes |
| О | Г | coumarins |
|  |  |  |
| В | 0416 | The primary metabolic products are: |
| О | А | lipids |
| О | Б | flavonoids |
| О | В | terpenes |
| О | Г | coumarins |
|  |  |  |
| В | 0417 | Carbohydrates are ... |
| О | А | organic substances containing a carbonyl group and several hydroxyl groups. |
| О | Б | a group of low molecular weight organic compounds of relatively simple structure and various chemical nature, necessary for the normal functioning of organisms. |
| О | В | fats and fat-like substances of plant or animal origin, which are esters of glycerol and higher fatty acids. |
| О | Г | specific proteins present in all living cells and playing the role of biological catalysts. |
|  |  |  |
| В | 0418 | Lipids are…. |
| О | А | fats and fat-like substances of plant or animal origin, which are esters of glycerol and higher fatty acids. |
| О | Б | a group of low molecular weight organic compounds of relatively simple structure and various chemical nature, necessary for the normal functioning of organisms. |
| О | В | organic substances containing a carbonyl group and several hydroxyl groups. |
| О | Г | specific proteins present in all living cells and playing the role of biological catalysts. |
|  |  |  |
| В | 0419 | Soybean raw materials are a source of substances that are part of hepatoprotective drugs. What biologically active substances in soy are responsible for this effect? |
| О | А | phospholipids |
| О | Б | trace elements |
| О | В | pigments |
| О | Г | polysaccharides |
|  |  |  |
| В | 0420 | Specify medicinal herbal raw materials containing fatty oil containing unsaturated fatty acids and is used for the prevention of atherosclerosis in the form of food additives: |
| О | А | flax seeds -semen lini |
| О | Б | nigella seeds semen nigella |
| О | В | fructus anethi |
| О | Г | fructus crataegi |
|  |  |  |
| В | 0421 | Specify medicinal herbal raw materials containing fatty oil containing unsaturated fatty acids and is used for the prevention of atherosclerosis: |
| О | А | semen cucurbitae |
| О | Б | semen hippocastani |
| О | В | semen plantaginispsyllii |
| О | Г | fructus pastinacae |
|  |  |  |
| В | 0422 | Specify a dietary supplement, which contains a fatty oil containing unsaturated fatty acids and is used to prevent atherosclerosis: |
| О | А | Linetol |
| О | Б | Vitapectin |
| О | В | Extralact |
| О | Г | Multisorb |
|  |  |  |
| В | 0423 | Specify a dietary supplement, which contains a fatty oil containing unsaturated fatty acids and is used to prevent atherosclerosis: |
| О | А | Pumpkin |
| О | Б | Detoxan |
| О | В | Vitasan |
| О | Г | Antoksan |
|  |  |  |
| В | 0424 | Fatty oil containing unsaturated fatty acids is used for the prevention of atherosclerosis in the form of dietary supplements. Specify the following dietary supplement: |
| О | А | Peponen |
| О | Б | Hofitol |
| О | В | Vitapectin |
| О | Г | Elamin |
|  |  |  |
| В | 0425 | Specify the method of obtaining almond oil: |
| О | А | pressing |
| О | Б | enflerage |
| О | В | sublimation |
| О | Г | distillation with water |
|  |  |  |
| В | 0426 | What fatty oil can be offered as a substitute for olive oil for use as a solvent for injectables: |
| О | А | Oleum Amуgdalarum |
| О | Б | Oleum Ricini |
| О | В | Oleum Lini |
| О | Г | Oleum Maydis |
|  |  |  |
| В | 0427 | Medical oil is the fraction that is obtained by the first hot pressing. To destroy the ricin toxalbumin, the crushed seeds are pretreated with hot steam. From which plant is this oil obtained by this method? |
| О | А | Ricinus communis |
| О | Б | common pumpkin |
| О | В | helianthus annuus |
| О | Г | zea mays |
|  |  |  |
| В | 0428 | Name the oil that is highly soluble in ethyl alcohol: |
| О | А | oleum ricini. |
| О | Б | cacao butter. |
| О | В | oleum helianthi |
| О | Г | oleum lini |
|  |  |  |
| В | 0429 | Name the medicinal raw material, which is the source for the anti-inflammatory drug "Apizartron": |
| О | А | bee venom |
| О | Б | snake poison |
| О | В | freshwater sponge |
| О | Г | badger fat |
|  |  |  |
| В | 0430 | The quantitative content of fats and fatty oils in vegetable raw materials is determined by the method: |
| О | А | Soxhlet |
| О | Б | enfleurage |
| О | В | distillation |
| О | Г | ыtokes |
|  |  |  |
| В | 0431 | To carry out a microchemical reaction to fatty oil, a reagent is used: |
| О | А | Sudan III |
| О | Б | lugol |
| О | В | dragendorf |
| О | Г | methylene blue |
|  |  |  |
| В | 0432 | The group of fatty oils by dryness can be determined by the indicator: |
| О | А | Iodine number |
| О | Б | ether number |
| О | В | acid indicator |
| О | Г | density |
|  |  |  |
| В | 0433 | Histochemical reaction for the presence of starch in medicinal plant raw materials is carried out with: |
| О | А | Solution of Lugol |
| О | Б | carcass solution |
| О | В | ammonium iron alum solutiom |
| О | Г | Sudan III |
|  |  |  |
| В | 0434 | Castor oil is used in medicine as a remedy: |
| О | А | laxative |
| О | Б | pain reliever |
| О | В | astringent |
| О | Г | expectorant |
|  |  |  |
| В | 0435 | The drug "Karotolin" is obtained from raw materials: |
| О | А | Rosa majalis |
| О | Б | Calendula officinalis |
| О | В | Urticae dioica |
| О | Г | Gnaphalii uliginosi |
|  |  |  |
| В | 0436 | "Olazol" is a combined preparation containing oil in its composition: |
| О | А | L. Hippophae rhamnoides |
| О | Б | corn |
| О | В | castor bean |
| О | Г | rose hips |
|  |  |  |
| В | 0437 | Cholosas (HOLOSAS) syrup is obtained from fruits: |
| О | А | Rosae |
| О | Б | Sorbus |
| О | В | Viburnum |
| О | Г | Ribes |
|  |  |  |
| В | 0438 | Pumpkin fruits are an industrial source of : |
| О | А | carotene |
| О | Б | routine |
| О | В | ascorbic acid |
| О | Г | tannins |
|  |  |  |
| В | 0439 | May lily of the valley (Convallaria majalis) is the source of the preparation: |
| О | А | Сorglycon |
| О | Б | digitoxin |
| О | В | adoniside |
| О | Г | adonisbrom |
|  |  |  |
| В | 0440 | Japanese Sophora buds (Styphnolóbium japónicum )are used for industrial production: |
| О | А | Routine |
| О | Б | Luteolin |
| О | В | Avikularin |
| О | Г | Hyperoside |
|  |  |  |
| В | 0441 | An industrial source of vitamin P is medicinal plant raw materials: |
| О | А | fruits and buds of Styphnolóbium japónicum |
| О | Б | lemon peel |
| О | В | chokeberry fruit |
| О | Г | buckwheat grass |
|  |  |  |
| В | 0442 | The presence of flavonoids in the medicinal product can be proved by a reaction with: |
| О | А | Aluminum-chloride |
| О | Б | resorcinol |
| О | В | Iron ammonium alum |
| О | Г | 5% alcoholic solution of alkali |
|  |  |  |
| В | 0443 | In chromatographic analysis, flavonoids are detected after development with a solution: |
| О | А | Aluminum-chloride |
| О | Б | phosphoromolybdic acid |
| О | В | picric acid |
| О | Г | iron sulfate |
|  |  |  |
| В | 0444 | The yellow hornpoppy grass (Herba Glaucii flavi )contains an alkaloid: |
| О | А | glaucine |
| О | Б | solasonin |
| О | В | harmine |
| О | Г | caffeine |
|  |  |  |
| В | 0445 | What raw materials are used as a source for the production of Vinblastine and Rosevin? |
| О | А | Catharanthus Roseum |
| О | Б | periwinkle |
| О | В | Ephedra equisetina |
| О | Г | Rauwolfia serpentina |
|  |  |  |
| В | 0446 | From Radices Rauwolfia serpentina, a drug is obtained: |
| О | А | reserpine |
| О | Б | recutan |
| О | В | rosanol |
| О | Г | rotocan |
|  |  |  |
| В | 0447 | The main task of phytochemical analysis is: |
| О | А | Detection and quantification of active ingredients |
| О | Б | Determination of the biological activity of raw materials |
| О | В | Detection and quantification of organic impurities |
| О | Г | Detection and quantification of mineral impurities |
|  |  |  |
| В | 0448 | The plants raw materials are: |
| О | А | Fresh or dry plants or parts of them, used as medicaments (medical drugs )or for their preparation |
| О | Б | Herbal medicine with pharmacological activity and approved for medical use |
| О | В | Cultivated or wild plants used medicinally for the prevention and treatment of human and animal diseases |
| О | Г | One of the major groups of multicellular organisms, including mosses, ferns, horsetails, lycopods, gymnosperms, and flowering plants |
|  |  |  |
| В | 0449 | Biologically active substances are called: |
| О | А | Natural compounds that have a specific effect on a living organism and determine the main therapeutic effect |
| О | Б | Natural compounds contained in a large amount in the plant and are indispensable for its normal metabolism and vital activity |
| О | В | Natural compounds that are products of the vital activity of the cytoplasm, temporarily removed from metabolism |
| О | Г | Natural compounds contained in a small amount in the plant, which are indispensable for its normal metabolism and vital activity |
|  |  |  |
| В | 0450 | Biologically active compounds of primary synthesis: |
| О | А | Lipids and carbohydrates |
| О | Б | Alkaloids and essential oils |
| О | В | Tannins and alkaloids |
| О | Г | Essential oils and tannins |
|  |  |  |
| В | 0451 | Biologically active compounds of secondary synthesis: |
| О | А | Alkaloids and tannins |
| О | Б | Lipids and carbohydrates |
| О | В | Polysaccharides and carbohydrates |
| О | Г | Lipids and polysaccharides |
|  |  |  |
| В | 0452 | In his writings he described over 230 medicinal plants: |
| О | А | Hippocrates |
| О | Б | Paracelsus |
| О | В | Avicenna |
| О | Г | Claudius Galen |
|  |  |  |
| В | 0453 | Introduced mineral-based preparations into medical practice: |
| О | А | Paracelsus |
| О | Б | Claudius Galen |
| О | В | Hippocrates |
| О | Г | Avicenna |
|  |  |  |
| В | 0454 | He was the first to develop methods of chemical analysis of plants: |
| О | А | Karl Scheele |
| О | Б | Paracelsus |
| О | В | Claudius Galen |
| О | Г | Hippocrates |
|  |  |  |
| В | 0455 | For the first time, he began to conduct a preliminary test of the effect of drugs on sick animals: |
| О | А | Avicenna |
| О | Б | Paracelsus |
| О | В | Hippocrates |
| О | Г | Claudius Galen |
|  |  |  |
| В | 0456 | The beginning of the production of extractive preparations from medicinal plants belongs to: |
| О | А | Claudius Galen |
| О | Б | Karl Scheele |
| О | В | Paracelsus |
| О | Г | Hippocrates |
|  |  |  |
| В | 0457 | The reforms of. ... were of great importance, which served as the beginning of the birth of the pharmaceutical industry in Russia: |
| О | А | Peter I |
| О | Б | Nicholas I |
| О | В | Nicholas II |
| О | Г | Catherine II |
|  |  |  |
| В | 0458 | Plant raw materials containing vitamin K include: |
| О | А | Cortex Viburni opulus |
| О | Б | Fructus Sorbi aucupariae |
| О | В | Fructus Rosae |
| О | Г | Fructus Padi avium |
|  |  |  |
| В | 0459 | Carotenoids are vitamins: |
| О | А | Fat soluble |
| О | Б | water soluble |
| О | В | insoluble neither in fats nor in water |
| О | Г | insoluble in fats, but soluble in alcohol |
|  |  |  |
| В | 0460 | Vitamin K belongs to the derivatives of the series: |
| О | А | aromatic |
| О | Б | steroid |
| О | В | heterocyclic |
| О | Г | alicyclic |
|  |  |  |
| В | 0461 | The flavonoid rutin belongs to derivatives: |
| О | А | flavonol |
| О | Б | chalcona |
| О | В | flavanone |
| О | Г | flavanonol |
|  |  |  |
| В | 0462 | The alkaloid atropine belongs to derivatives: |
| О | А | tropane |
| О | Б | indole |
| О | В | purine |
| О | Г | isoquinoline |
|  |  |  |
| В | 0463 | Ascorbic acid belongs to the following vitamins: |
| О | А | aliphatic |
| О | Б | aromatic |
| О | В | heterocyclic |
| О | Г | steroid |
|  |  |  |
| В | 0464 | Preparations - cytostatics of plant origin are obtained from raw materials harvested: |
| О | А | Catharanthus roseum |
| О | Б | Urtica dioica |
| О | В | Vincae minoris |
| О | Г | Rhodiola rosea |
|  |  |  |
| В | 0465 | Oregano herb is used as a remedy: |
| О | А | expectorant |
| О | Б | sedative |
| О | В | choleretic |
| О | Г | laxative |
|  |  |  |
| В | 0466 | Leuzea preparations have the following effect : |
| О | А | tonic |
| О | Б | cardiotonic |
| О | В | choleretic |
| О | Г | hemostatic |
|  |  |  |
| В | 0467 | Medicines that tone the central nervous system include tincture: |
| О | А | Beladonnae |
| О | Б | Menthae |
| О | В | Crataegi |
| О | Г | Schizandrae |
|  |  |  |
| В | 0468 | Pharmacotherapeutic action of Herba Thermopsidis lanceolatae : |
| О | А | expectorant |
| О | Б | sedative |
| О | В | hypotensive |
| О | Г | astringent |
|  |  |  |
| В | 0469 | The drug "Linetol" is received by: |
| О | А | from flax seed oil |
| О | Б | from spermaceti |
| О | В | from lanolin |
| О | Г | seaweed |
|  |  |  |
| В | 0470 | The drug "Tanacechol" is obtained from raw materials: |
| О | А | Tanacetum vulgare |
| О | Б | Calendula officinalis |
| О | В | Taraxacum officinale |
| О | Г | Gnaphalium uliginosum |
|  |  |  |
| В | 0471 | According to the requirements of the Pharmacopoeia Monograph, the quantitative determination of biologically active substances in rose hips is carried out by the method: |
| О | А | Redox-titration |
| О | Б | Acid base titration |
| О | В | back titration |
| О | Г | Non aqueous titration |
|  |  |  |
| В | 0472 | Folia Plantaginis majoris are standardized in terms of content of : |
| О | А | sums of Polysaccharides |
| О | Б | sum of flavonoids |
| О | В | extractives recoverable by water |
| О | Г | ascorbic acid |
|  |  |  |
| В | 0473 | Flores Calendulae officinalis contain biologically active compounds: |
| О | А | vitamins |
| О | Б | cardiac glycosides |
| О | В | anthraglycosides |
| О | Г | coumarins |
|  |  |  |
| В | 0474 | Lavendula officinale flowers contain biologically active compounds: |
| О | А | essential oil |
| О | Б | flavonoids |
| О | В | anthraglycosides |
| О | Г | cardiac glycosides |
|  |  |  |
| В | 0475 | Herba Artemisiae absinthii contains biologically active compounds: |
| О | А | essential oil |
| О | Б | cardiac glycosides |
| О | В | anthraglycosides |
| О | Г | coumarins |
|  |  |  |
| В | 0476 | The essential oil of eucalyptus leaves is dominated by: |
| О | А | cineole |
| О | Б | thymol |
| О | В | hamazulene |
| О | Г | menthol |
|  |  |  |
| В | 0477 | Thyme herb essential oil is dominated by: |
| О | А | thymol |
| О | Б | menthol |
| О | В | hamazulene |
| О | Г | camphor |
|  |  |  |
| В | 0478 | Foeniculi fructus essential oil is dominated by: |
| О | А | anethole |
| О | Б | thymol |
| О | В | hamazulene |
| О | Г | menthol |
|  |  |  |
| В | 0479 | The essential oil of the common anise fruit (Fructus Anisi vulgaris) is dominated by: |
| О | А | anethole |
| О | Б | thymol |
| О | В | menthol |
| О | Г | cineole |
|  |  |  |
| В | 0480 | The essential oil of chamomile( Chamomilla )flowers is dominated by: |
| О | А | hamazulene |
| О | Б | thymol |
| О | В | menthol |
| О | Г | cineole |
|  |  |  |
| В | 0481 | What chemical group does chelidonine belong to? |
| О | А | alkaloids |
| О | Б | cardiac glycosides |
| О | В | saponins |
| О | Г | anthraglycosides |
|  |  |  |
| В | 0482 | What chemical group does convallotoxin belong to? |
| О | А | cardiac glycosides |
| О | Б | flavonoids |
| О | В | saponins |
| О | Г | anthraglycosides |
|  |  |  |
| В | 0483 | The source of the rutin is the raw material of the plant: |
| О | А | Sophora japonica |
| О | Б | Mentha piperita |
| О | В | Crataegus sanguinea |
| О | Г | Melissa officinalis |
|  |  |  |
| В | 0484 | The source of menthol is the raw material of the plant: |
| О | А | Mentha piperita |
| О | Б | Rubia tinctorum |
| О | В | Melissa officinalis |
| О | Г | Ledum palustre |
|  |  |  |
| В | 0485 | The source of sanguirythrin is plant raw materials: |
| О | А | Масleaya microcarpa |
| О | Б | Berberis vulgaris |
| О | В | Sophora japonica |
| О | Г | Cassia acutifolia |
|  |  |  |
| В | 0486 | The source of digoxin is plant raw materials: |
| О | А | Digitalis lanata |
| О | Б | Urtica dioica |
| О | В | Convallaria majalis |
| О | Г | Sophora japonica |
|  |  |  |
| В | 0487 | The source of celanide is the raw material of the plant: |
| О | А | Digitalis lanata |
| О | Б | Adonis vernalis |
| О | В | Mentha piperita |
| О | Г | Glycyrrhiza glabra |
|  |  |  |
| В | 0488 | The source of berberine is plant raw materials: |
| О | А | Berberis vulgaris |
| О | Б | Rubia tinctorum |
| О | В | Hyoscyamus niger |
| О | Г | Sophora japonica |
|  |  |  |
| В | 0489 | The source of escin is the raw material of the plant: |
| О | А | Aesculus hippocastanum |
| О | Б | Urtica dioica |
| О | В | Digitalis purpurea |
| О | Г | Sophora japonica |
|  |  |  |
| В | 0490 | Classification of organopreparations by production technology: |
| О | А | dried, defatted and crushed glands and tissues, extractive preparations, hydrolysates, injectable preparations of the most purified extracts and individual substances. |
| О | Б | preparations of nonspecific action, preparations obtained from the waste products of bees, snake venoms, preparations obtained from the tissues and organs of cattle and pigs and humans |
| О | В | drugs obtained from the pituitary gland, liver, pancreas, thyroid gland |
| О | Г | enzymes, hormones, drugs of non-specific action |
|  |  |  |
| В | 0491 | The drug related to dried, defatted and crushed glands and tissues of animals: |
| О | А | thyroidin |
| О | Б | adrenalin |
| О | В | abomin |
| О | Г | lidaza |
|  |  |  |
| В | 0492 | Which group of drugs does adrenaline belong to? |
| О | А | injectable preparations of the most purified extracts and individual substances |
| О | Б | extraction preparations |
| О | В | hydrolysates |
| О | Г | dried, defatted and crushed glands and tissues |
|  |  |  |
| В | 0493 | Waste products of bees used to obtain medicinal products: |
| О | А | bee venom, royal jelly, propolis |
| О | Б | bee venom, drone brood, honey |
| О | В | honey, pollen, beeswax |
| О | Г | royal jelly, honey, pollen |
|  |  |  |
| В | 0494 | The drug Thyroidin is obtained from: |
| О | А | thyroid glands of cattle |
| О | Б | adrenal glands of cattle |
| О | В | fish liver |
| О | Г | various types of ephedra, ephedra family |
|  |  |  |
| В | 0495 | Product of animal origin, which is used for the treatment of cerebrovascular disorder |
| О | А | cerebrolysin |
| О | Б | cinnarizine |
| О | В | vincamine |
| О | Г | dihydroergotoxin |
|  |  |  |
| В | 0496 | For the manufacture of the medicinal product "Viprosal" use: |
| О | А | snake venom |
| О | Б | deer antlers |
| О | В | bee venom |
| О | Г | leeches |
|  |  |  |
| В | 0497 | The source of tannin is the raw material of the plant: |
| О | А | sumac tannic |
| О | Б | common tansy |
| О | В | common barberry |
| О | Г | foxglove woolly |
|  |  |  |
| В | 0498 | The source of glycyrrhizic acid is plant raw materials: |
| О | А | Glycyrrhiza glabra |
| О | Б | Urtica dioica |
| О | В | Rubia tinctorum |
| О | Г | Sophora japonica |
|  |  |  |
| В | 0499 | A medicinal product is produced from the medicinal plant material " Fructus Silybi mariani": |
| О | А | silibinin |
| О | Б | nigrustin |
| О | В | romazulan |
| О | Г | flacarbine |
|  |  |  |
| В | 0500 | A medicinal product is produced from the medicinal plant material " Folia Salviae officinalis": |
| О | А | salvin |
| О | Б | nigrustin |
| О | В | romazulan |
| О | Г | ledin |
|  |  |  |