

## LIPIDS.

1. Oleum Lini is a drying oil. Which index characterizes this peculiarity?  
*A* \* Iodine value  
*B* Acid value  
*C* Saponification value  
*D* Ether value after acetylation (hydroxyl number)  
*E* Foaming index
2. Almond oil is used in the production of several medicinal forms. The way to obtain this oil is:  
*A* \* Expression  
*B* Enfleurage  
*C* Water distillation  
*D* Steam distillation  
*E* Sublimation
3. For destruction of toxalbumin ricin crushed seeds are treated by hot steam. Which plant is this oil obtained from by this method?  
*A* \* Castor bean  
*B* Sunflower seeds  
*C* Watermelon seeds  
*D* Corn  
*E* Soya beans
4. A patient with poisoning by fat soluble compound was taken to the hospital. Which laxative is contraindicated in this case?  
*A* \* Castor oil  
*B* Magnesium sulfate  
*C* Bisacodyl  
*D* Buckthorn bark  
*E* Isaphenin
5. Fatty oil containing unsaturated fatty acids is used for atherosclerosis prevention. Which herbal raw material contains this type of fatty oil?  
*A* \* Pumpkin seeds  
*B* Buckhorn plantain (*Plantago lanceolata*) seeds  
*C* Chestnut (*Castanea*) seeds  
*D* Parsnip fruitages  
*E* Scurfy pea (*Psoralea*) fruits
6. Fatty oil containing unsaturated fatty acids is used for atherosclerosis prevention. Specify the medicinal plant that is used for this type of oil production:

- A** \* Flax seeds
- B** Fennelflower seeds
- C** Dill seeds
- D** Black chokeberry fruits
- E** Hawthorn fruits

7. A fatty oil containing unsaturated fatty acids is used for the prophylaxis of atherosclerosis. Specify the medicinal raw material containing this type of oil:

- A** \* Linseed
- B** Wild fennel seed
- C** Dill fruit
- D** Chokeberry fruit
- E** Hawthorn fruit

8. During quality determination of peppermint essential oil a pharmacist-analyst checked its solubility in 70% alcohol. The oil didn't dissolve completely (a few drops settled on the bottom of the test tube), which confirms admixtures of:

- A** \* Fatty oils
- B** Water
- C** Carotenoids
- D** Resins
- E** Hydrocarbons

9. What fatty oil is nondrying due to its oleic acid glyceride content?

- A** \* *Ricini oleum*
- B** *Lini oleum*
- C** *Cucurbitae oleum*
- D** *Maydis oleum*
- E** *Helianthi oleum*

10. In order to determine the purity a drop of lavender essential oil was applied on a strip of filter paper and warmed up in the stream of warm air. Sometime later the stain increased in diameter. What impurity substance was found in the lavender oil?

- A** \* Fatty or mineral oil
- B** Phenol
- C** Ethanol
- D** Acetone
- E** *Diethyl ether*

11. Fatty oil containing unsaturated fatty acids is used for the prevention of atherosclerosis. Specify the herbal raw material used for oil production:

- A** \* Seeds of flax
- B** Seeds of fennelflower
- C** Fruits of dill
- D** Fruits of black chokeberry
- E** Hawthorn berries

12. Fatty oils containing unsaturated fatty acids are used for the prophylaxis of atherosclerosis. Specify the starting materials of herbal origin that contain fatty oil:

- A** \* Pumpkin seed
- B** Ispaghula seed
- C** Chestnut seed
- D** Parsnip fruits
- E** Psoralea fruits

13. Raw herbal material with the following features was delivered to a laboratory for analysis: fine flat glossy egg-shaped seeds (one end is sharp, other rounded). Seed surface is smooth, vary in colour from pale yellow to brown, has pale yellow raphe. No smell is detected. The taste is slimy and oily. Name this raw herbal material.

- A** \* Flax seeds
- B** Pumpkin seeds
- C** *Plantago psyllium* seeds
- D** *Strophanthus* seeds
- E** *Peanuts eeds*