

COUMARINS. CHROMONES.

1. Parsnip fruits like other fruits of the *Apiaceae* family plants are harvested in a certain phase of vegetation:

A * After 60-80% of inflorescences (umbels) get brown

B At the beginning of fruiting

C During ripe fruiting

D Dying of the aerial part

E Phase of the partial fruit ripening

2. Fig tree leaves are used for the photosensitizing drugs production, that's why this plant material should be collected:

A * In the morning, in a cloudy weather

B In the daytime

C In the evening

D In the nighttime

E In the morning

3. A certain kind of medicinal plant material may cause burns during collection, because it contains:

A * Furocoumarins

B Lignans

C Flavonoids

D Polysaccharides

E Iridoids

4. A certain kind of medicinal plant material may cause burns during collection. This is:

A * *Pastinaca sativa*

B *Adonis vernalis*

C *Convallaria majalis*

D *Panax ginseng*

E *Polygonum bistorta*

5. The MRM received by a pharmacy's storehouse is oval seeds up to 3-5cm in diameter, covered with reddish brown, very shiny skin with a large pale-brown scar where it has been attached to the inside of the seed-vessel. The taste is bitterly astringent, a bit oily, odourless. Specify the MRM:

A * Horse chestnut seeds

B *Nux vomica* seeds

C Holy thistle seeds

D *Schizandra* seeds

E Flax seeds

6. Hydroxy- and methoxy coumarins show venotonic activity. Medicine from which raw material may a pharmacist recommend as a venotonic?

- A** * Fructus Aesculi hippocastani
- B** Fructus Rhamni catharticae
- C** Fructus Rosae
- D** Fructus Myrtilli
- E** Fructus Sorbi aucupariae

7. Plant medicine «Aescusan» has venous tonic action, decreases capillary permeability and improves microcirculation in vessels. Choose the medicinal raw material for this medicine's production:

- A** * Common horse-chestnut
- B** Yellow melilot
- C** Common horstail (*Equisetum*)
- D** Buckwheat
- E** Tillet

8. What kind of medicinal raw material is used to obtain medicine «Aescusan» with venous tonic activity?

- A** * Semina Hippocastani
- B** Herba Meliloti
- C** Fructus Ammi majoris
- D** Fructus Pastinacae sativae
- E** Fructus Dauci carotae

9. Medicines from Common horse-chestnut leaves and seeds are used in case of venous insufficiency. The quality of Common horse-chestnut seed is characterized by the content of:

- A** * Aescin
- B** Aesculetin
- C** Glycyrrhizine
- D** Erihrozide
- E** Erysimosid

10. Medicine «Beroxan», a mixture of bergapten and xanthotoxin, is used as a photosensitizing remedy. Which medicinal plant material is this medicine obtained from?

- A** * Fructus Pastinacae sativae
- B** Fructus Ribis nigri
- C** Fructus Aroniae melanocarpae
- D** Fructus Rosae caninae
- E** Fructus Alni

11. Medicinal drugs “Pastinacin” and “Beroxan” contain furocoumarins. Which plant material is used for these drugs obtaining?

- A** * Parsnip fruits
- B** Scurfy pea fruits

C Ammee fruits

D Khella (visnaga)fruits