

### Typical examination tests – Basics of Research of Natural Products

1. Which wax contain long-chain waxy esters, lanolin alcohols, lanolin acids, and lanolin hydrocarbons?

- a) Spermaceti wax
- b) Shellac wax
- c) Bee wax
- d) Wool wax

2. Which is the best way of storing bee pollen?

- a) heating
- b) freezing
- c) dissolve in water
- d) keep in sunny place

3. Where from was isolated paxlitaxel?

- a) Taxus
- b) Salix
- c) Ginger
- d) Licorice

4. Which belongs to primary metabolites of the plants?

- a) Carbohydrates
- b) Alkaloids
- c) Flavonoids
- d) Simple Phenols

5. What means description of morphology of the plant? Description of it`s

- a) Shape
- b) Chemical constituents
- c) Geographical distribution
- d) Medicinal properties

6. What characters are examined by microscopical evaluation?

- a) Medicinal properties
- b) Histological characters
- c) Chemical constituents

d) Geographical distribution

7. How is determined moisture content?

a) By heating drug at 105 °C in an oven to a constant weight

b) By heating drug at 105 °C in an oven for 1.5 hours

c) By heating drug at 150 °C in an oven

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d) By burning drug at 500 °C for 2 hours

8. Kaolinite clay is used for treatment of

a) Cardiovascular disease

b) Diabetes

c) Stomach upset

d) Alzheimer`s disease

9. Which parameter show deterioration of drug?

a) Stomatal number

b) Foreign organic matter

c) Moisture content

d) Extractive substances content

10. Which product is thick liquid translucent when fresh and on keeping it becomes opaque?

a) Propolis

b) Royal jelly

c) Honey

d) Bee venom