



BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Pharmacy

Course Name – Pharmacognosy and Phytochemistry I

Course Code - BP405T

(Semester IV)

Time allotted : 1 Hrs.30 Min.

Full Marks : 75

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 75=75

Choose the correct alternative from the following :

(1) _____ is obtained from Verongia Spengeli (a yellow sponge)

- | | |
|-----------------|------------|
| a) Aplysinopsin | b) Thelpin |
| c) Laminine | d) Ara-C |

(2) Vinblastine is the alkaloid obtained from

- | | |
|--------------|----------|
| a) Rauwolfia | b) Vinca |
| c) Cinnamon | d) Tulsi |

(3) The term ‘Pharmacognosy’ was coined by

- | | |
|------------|---------------|
| a) Galen | b) Hipocrates |
| c) Seydler | d) Aristotle |

(4) Kaempferol is an example of

- | | |
|-------------|--------------|
| a) Alkaloid | b) Tannin |
| c) Resin | d) Flavonoid |

(5) An example of dried latex is

- | | |
|----------|------------|
| a) Opium | b) Aloe |
| c) Honey | d) Beeswax |

(6) Vasopressin is used in

- | | |
|-----------------------|-----------------|
| a) Diabetes mellitus | b) Peptic ulcer |
| c) Diabetes insipidus | d) Anaemia |

(7) Digoxin is obtained from

- a) Aloe
c) Rhubarb
- b) Senna
d) Digitalis
- (8) Ipecacuanha is an example of
a) Carminative
c) Expectorant
- b) Emetics
d) Bitters
- (9) The main constituents of Calamine are
a) Zinc oxide and Ferric oxide
c) Calcium and magnesium carbonate
- b) Aluminium phyllosilicate
d) Aluminium silicate
- (10) _____ is the average number of palisade cells present below each epidermal cell
a) Palisade ratio
c) Vein-islet number
- b) Stomatal index
d) Stomatal number
- (11) Kainic acid is obtained from
a) Digenea complex
c) Flustra foliaceae
- b) Chondria armata
d) Verongia archery
- (12) Which part of Nux-vomica is used as an important source of crude drug
a) Seed
c) Flower
- b) Bark
d) Fruit
- (13) Lignified trichome is present in
a) Vasaka
c) Digitalis
- b) Nux-vomica
d) Betel
- (14) Kaolin is made of
a) Ferrous silicate
c) Manganese silicate
- b) Cuprous silicate
d) Aluminium silicate
- (15) Senna belongs to the family of
a) a. Leguminosae
c) c. Papavaraceae
- b) b. Compositae
d) d. Rutaceae
- (16) Which of the following is not the vegetable product
a) Starch
c) Castor oil
- b) Honey
d) Acacia
- (17) Biological evaluation is done on the basis of
a) Transverse section study
c) Colour and size
- b) Chemical constituents
d) Therapeutic activity
- (18) Which one of the following does not belong to chemical class
a) Alkaloids
c) Tannins
- b) Glycosides
d) Astringent
- (19) The use of medicinal plants was described by Ayurveda in the year of
a) 3500-1500BC
c) 460-370BC
- b) 384-322BC
d) 1500-1000BC
- (20) Most of the umbelliferous fruits are used as
a) Carminative
c) Diuretics
- b) Cardiotonic
d) Sedative
- (21) Control or management of an undesired animal or plant species is termed as

- a) Pest management
c) Soil management
- b) Environmental management
d) None of these
- (22) Warfarin is an example of
a) Rodenticide
c) Ascaricide
- b) Insecticide
d) Fungicide
- (23) For the synthesis of various compounds, plants need
a) 20 nutrient elements
c) 16 nutrient elements
- b) 21 nutrient elements
d) 15 nutrient elements
- (24) The most common cryopreservation technique involves the use of _____ -196° C temperature
a) Over solid carbon dioxide
c) Liquid nitrogen
- b) Vapour phase nitrogen
d) None of these
- (25) Which of the following drug is cultivated under strict control of Narcotics
a) Agar
c) Nux-vomica
- b) Rauwolfia
d) Opium
- (26) Kinetin is a
a) Natural Auxin
c) Natural Cytokinin
- b) Synthetic Auxin
d) Synthetic Cytokinin
- (27) Which plant growth regulator is obtained From *Gibberella fujikuroi*
a) Auxins
c) Gibberellins
- b) Cytokinins
d) Abscisic acid
- (28) In slow freezing method , the cooling rate is
a) 0.4-4°C/min
c) 0.6-6°C/min
- b) 0.5-5°C/min
d) 0.7-8°C/min
- (29) Colchine is used to induce
a) Mutation
c) Diabetes
- b) Polyploidy
d) Hypertension
- (30) Which is the most commonly preferred gelling agent
a) Agar
c) Carboxymethyl cellulose
- b) Alginic acid
d) Carrageenan
- (31) Which of the following represents a test of alkaloids
a) Borntrager's test
c) Match stick test
- b) Gold Beater's test
d) Mayer's test
- (32) Ergotamine belongs to the class of
a) Pyrrole alkaloids
c) Purine alkaloids
- b) Tropane alkaloids
d) Indole alkaloids
- (33) Gold Beater's skin test is for
a) Resin
c) Tannin
- b) Glycoside
d) Volatile oil
- (34) Balsam is
a) Volatile oil
c) Oleo-gum-resin
- b) Alkaloid
d) Tannin
- (35) Digitalis is an example of

- a) Purgative glycoside
c) Saponin glycoside
- b) Bitter glycoside
d) Cardiac glycoside
- (36) Shinoda test is applied for the identification of
a) Alkaloid
c) Volatile oil
- b) Tannin
d) Flavonoid
- (37) In glucoside, the glycone part is
a) Rhamnose
c) Fructose
- b) Pentose
d) Glucose
- (38) Jalap is an example of
a) Glycoresins
c) Resin alcohols
- b) Resenes
d) Resin acids
- (39) Which of the following is not the true alkaloid
a) Hyoscyamine
c) Quinine
- b) Mescaline
d) Vinblastine
- (40) Tropane alkaloids possess
a) Parasympatholytic activity
c) Arthritic activity
- b) Cardiac activity
d) Diabetic activity
- (41) In Ayurveda system of medicine, 'Kapha' means
a) Air
c) Bile
- b) Blood
d) Phlegm
- (42) The father of Ayurveda is
a) Hahnemann
c) Shusruta
- b) Charaka
d) Dravidian
- (43) Most of the umbelliferous fruits contain
a) Alkaloids
c) Vitamins
- b) Resin
d) Volatile oil
- (44) Which one of the following is a pseudo alkaloid
a) Strychnine
c) Atropine
- b) Reserpine
d) Caffeine
- (45) Senna contains
a) Anthraquinone glycosides
c) Phenol glycosides
- b) Aldehyde glycosides
d) Steroidal glycosides
- (46) Adenosine is an example of
a) O-glycoside
c) N-glycoside
- b) S-glycoside
d) C-glycoside
- (47) Quercetin is an example of
a) Resin
c) Fixed oil
- b) Volatile oil
d) Flavonoid
- (48) 'Vipaka' denotes
a) The end product of digestion
c) The end product of assimilation
- b) The byproduct of metabolism
d) None of these
- (49) The term 'Tannin' was first used by

- a) Seydler
c) Hahnemann
- b) Seguin
d) Galen
- (50) The specific gravity of resins ranges from
a) 0.7 to 1.11
c) 0.8 to 1.32
- b) 0.9 to 1.25
d) 0.5 to 1.21
- (51) Oleo-gum-resin is composed of
a) Resin, Gum and Volatile oil
c) Resin and Volatile oil
- b) Resin and gum
d) None of these
- (52) The main test for the presence of Anthraquinone glycoside is
a) Borntrager's test
c) Van-urk test
- b) Wagner's test
d) Dragendorff's test
- (53) The main constituents present in aloe belongs to the group of
a) Proto alkaloids
c) Oleo-gumResins
- b) Hydrolysable tannins
d) Anthraquinone glycosides
- (54) Water and Steam distillation method is applied for the isolation of
a) Glycoside
c) Volatile oil
- b) Tannin
d) Alkaloid
- (55) The main constituent of Tragacanth is
a) Reserpine
c) Brucine
- b) Colchicine
d) Tragacanthin
- (56) Adulterant of honey can be detected by
a) Fehling's test
c) Fieche's test
- b) Benedict's test
d) Tollen's test
- (57) Papain is obtained from
a) Hyoscyamus niger
c) Ephedra sinica
- b) Atropa belladonna
d) Carica papaya
- (58) Urokinase is widely used for
a) Rheumatism
c) Sedative
- b) Asthma
d) Pulmonary embolism
- (59) The main chemical constituent present in Beeswax is
a) Vincristine
c) Withanolides
- b) Myricin
d) Ephedrine
- (60) Wool fat is obtained from which gland of sheep
a) Endocrine
c) Pituitary
- b) Sebaceous
d) Thyroid
- (61) Hemp is obtained from
a) Cannabis sativa
c) Citrus lemon
- b) Styrax benzoin
d) Mentha piperata
- (62) Cannabis belongs to the family of
a) Loganiaceae
c) Cannabinaceae
- b) Labiatae
d) Leguminosae
- (63) An example of polysaccharide is

- a) Glucose
c) Rhamnose
- b) Fructose
d) Cellulose
- (64) Ricinus communis belongs to which family
a) Apocyanaceae
c) Labiatae
- b) Leguminosae
d) Euphorbiaceae
- (65) Peptide bond is present in
a) Carbohydrate
c) Lipid
- b) Protein
d) Nucleotide
- (66) Marijuana is biologically obtained from
a) Plantago ovata
c) Digitalis purpurea
- b) Ricinus communis
d) Cannabis sativa
- (67) The chemical constituent present in Nutmeg is
a) Ricinoleic acid
c) Colchicine
- b) Quinine
d) Myristicin
- (68) The major hallucinogenic principle in mescal button is
a) Cannabidiol
c) Safrole
- b) Mescaline
d) Elemincin
- (69) Which of the following represents the suitable example of secondary plant metabolites
a) Carbohydrates
c) DNA
- b) Proteins
d) Alkaloids
- (70) Which of the following is not an vegetative fibre
a) Cotton
c) Flax
- b) Jute
d) Silk
- (71) In jute, the percentage of cellulose ranging from
a) 50-53%
c) 60-63%
- b) 20-23%
d) 40-43%
- (72) Pollen is an
a) Inhalant allergen
c) Infectant allergen
- b) Injectant allergen
d) Ingestant allergen
- (73) Proteins are composed of
a) Amino acids
c) Fatty acids
- b) Sugars
d) None of these
- (74) Chaulmoogra oil is obtained from
a) Emblica officinalis
c) Piper nigrum
- b) Carica papaya
d) Hydnocarpus kurzii
- (75) Streptokinase is a
a) Proteolytic enzyme
c) Thrombolytic enzyme
- b) Mucolytic enzyme
d) None of these