

Subject : Pharmacognosy

Q. No. 1 0201001	A(n) _____ is an excised pice of leaf or stem tissue used in micropropagation
Option A	Microshoot
Option B	Medium
Option C	Extant
Option D	Scion
Correct Option	C

Q. No. 2 0201002	In UV light Ergot shows fluorescence:
Option A	Yellow
Option B	Blue
Option C	Red
Option D	Violet
Correct Option	C

Q. No. 3 0201003	Thalleoquin test is used for identification of :
Option A	Atropine
Option B	Vincristine
Option C	Quinine
Option D	Strychnine
Correct Option	C

Q. No. 4 0201004	Which species of cinchona contains highest percentage alkaloid ?
Option A	Cinchona succirubra
Option B	Cinchona officinalis
Option C	Cinchona calisaya
Option D	Cinchona ledgeriana
Correct Option	A

Q. No. 5 0201005	The iridoids are...
Option A	constituents of volatile oils
Option B	starting units of tannin biogenesis
Option C	precursors of the biosynthesis of saponins
Option D	precursors of the biogenesis of certain alkaloids
Correct Option	D

Q. No. 6 0201006	In a callus culture
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Option A	increasing level of cytokinin to a callus induces shoot formation and increasing level of auxin promote root formation
Option B	increasing level of auxin to a callus induces shoot formation and increasing level of cytokinin promote root formation
Option C	auxins and cytokinins are not required
Option D	only auxin is required for root and shoot formation
Correct Option	A

Q. No. 7 0201007	_____is used as adrenergic drug.
Option A	Ephedra
Option B	Physostigma
Option C	Pilocarpus
Option D	belladonna
Correct Option	D

Q. No. 8 0201008	Which drug is not under the chemical class of indole?
Option A	Quinidine
Option B	Quinine
Option C	Atropine
Option D	camptothecin
Correct Option	C

Q. No. 9 0201009	Which species of cinchona contains highest percentage alkaloid ?
Option A	cinchona succirubra
Option B	Cinchona officinalis
Option C	Cinchona calisaya
Option D	Cinchona ledgeriana
Correct Option	A

Q. No. 10 0201010	In UV light Ergot shows fluorescence :
Option A	Yellow
Option B	Blue
Option C	Red
Option D	Violet
Correct Option	C

Q. No. 11 0201011	Is Known as father of medicine?
Option A	Aristotle
Option B	Dioscorides
Option C	Hippocrates
Option D	Galen

Correct Option	C
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Q. No. 12 0201012	The ring structure present in strychnine :
Option A	Indole
Option B	Pyrrole
Option C	Pyridine
Option D	Piperidine
Correct Option	A

Q. No. 13 0201013	Deadly Nightshade is the synonym of the drug :
Option A	Datura
Option B	Belladonna
Option C	Cinchona
Option D	Coca
Correct Option	B

Q. No. 14 0201014	Which is the active chemical constituent obtained from Ipecac ?
Option A	Cephaeline
Option B	Berberine
Option C	Hydrastine
Option D	Tropane
Correct Option	A

Q. No. 15 0201015	Which ergot alkaloid is water-soluble ?
Option A	Ergotamine
Option B	Ergosine
Option C	Ergocristine
Option D	Ergometrine
Correct Option	D

Q. No. 16 0201016	Ergot powder gives blue color with :
Option A	P-dimethylaminobenzaldehyde
Option B	Benzaldehyde
Option C	Cinnamaldehyde
Option D	Formaldehyde
Correct Option	A

Q. No. 17 0201017	Morphine contains main nucleus :
Option A	Phenanthrene

Option B	Anthracene
Option C	Naphthalene
Option D	Naphthacene
Correct Option	A

Q. No. 18 0201018	Thalleoquin test is used for identification of :
Option A	Atropine
Option B	Vincristine
Option C	Quinine
Option D	Strychnine
Correct Option	C

Q. No. 19 0201019	Which drug is under the chemical class of cyanogenic glycoside?
Option A	Bitter almond
Option B	Black mustard
Option C	Digitalis
Option D	Rhubarb
Correct Option	A

Q. No. 20 0201020	Out of the following, one is not the example of Cardinolide:
Option A	Digitoxin
Option B	Digoxin
Option C	Gitoxigenin
Option D	Scillarin A
Correct Option	D

Q. No. 21 0201021	Keller kiliani test is positive for:
Option A	Digitoxose
Option B	Gitoxose
Option C	digitoxigenin
Option D	gitoxigenin
Correct Option	A

Q. No. 22 0201022	Drug with the presence of plasmodesma:
Option A	Nux vomica
Option B	Rauwolfia
Option C	Vinca rosea
Option D	Phsysostigma
Correct Option	A

Q. No. 23 0201023	Oil is having antileprotic property:
Option A	Linseed oil
Option B	Jojoba oil
Option C	Chaulmoogra oil
Option D	Corn oil
Correct Option	C

Q. No. 24 0201024	The test not used as an analytical parameter for oil:
Option A	Acetyl value
Option B	Acid value
Option C	Hydroxyl value
Option D	Ketone value
Correct Option	D

Q. No. 25 0201025	When the powder of curcuma longa is treated with sulphuric acid, it gives colour:
Option A	Yellow
Option B	Crimson
Option C	Green
Option D	Blue
Correct Option	B

Q. No. 26 0201026	Ferulic acid when treated with hydrochloric acid gives:
Option A	Acetic acid
Option B	Umbellic acid
Option C	Cinnamic acid
Option D	Vanillic acid
Correct Option	B

Q. No. 27 0201027	The major terpenoid in clove oil:
Option A	Eugenol
Option B	Santalol
Option C	Anethol
Option D	Menthol
Correct Option	A

Q. No. 28 0201028	Diterpenes contain number of isoprene units:
Option A	Three
Option B	Four
Option C	Five
Option D	Six

Correct Option	B
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Q. No. 29 0201029	The chief active constituent of fennel:
Option A	Carvone
Option B	Borneol
Option C	Dill-Apiole
Option D	Fenchone
Correct Option	D

Q. No. 30 0201030	Tannic acid is antidote in poisoning:
Option A	Iodine
Option B	Cyanide
Option C	Alkaloid
Option D	Arsenic
Correct Option	C

Q. No. 31 0201031	When Indian gum is treated with ruthenium red' it shows:
Option A	Pink colour
Option B	Red colour
Option C	Blue
Option D	No colour change
Correct Option	D

Q. No. 32 0201032	Pectin is used in the treatment of:
Option A	Ulcer
Option B	Hypertension
Option C	Angina
Option D	Diarrhoea
Correct Option	D

Q. No. 33 0201033	Amylum is the synonym for:
Option A	Tragacanth
Option B	Starch
Option C	Inulin
Option D	Locust bean
Correct Option	B

Q. No. 34 0201034	Which of the following is the assay for determination of the volatile oil contents of herbal drugs?
Option A	Steam distillation

Option B	Extraction with light petrol
Option C	Distillation by Marcusson's method
Option D	Determination of the loss on drying
Correct Option	A

Q. No. 35 0201035	Which of the following plant constituents can be characterized by irreversible complexation with proteins?
Option A	Alkaloids
Option B	Saponins
Option C	Tannins
Option D	Mucilages
Correct Option	C

Q. No. 36 0201036	With which of the following methods can the tertiary alkaloids be extracted in salt form?
Option A	With organic solvents such as chloroform
Option B	On boiling with aqueous ammonia solution
Option C	With organic solvents containing acidic solution
Option D	With an acidic aqueous solution
Correct Option	D

Q. No. 37 0201037	Which of the following alkaloids are bisindols characteristic of Catharanthi herba?
Option A	Vincristine
Option B	Vincamine
Option C	Vinblastine
Option D	Catharanthine
Correct Option	B

Q. No. 38 0201038	To which of the following types of compound does taxol belong?
Option A	Diterpene alkaloid
Option B	Steroidal alkaloid
Option C	Sesquiterpene
Option D	Lignan
Correct Option	A

Q. No. 39 0201039	Chromatography on normal-phase silica gel is based on which of the following physicochemical processes?
Option A	Distribution
Option B	Adsorption
Option C	Ion exchange
Option D	Antigen-antibody interaction
Correct Option	B

Q. No. 40 0201040	Which of the following chromatographic techniques always use forced flow?
Option A	Rotation planar chromatography
Option B	Gel-filtration chromatography
Option C	Thin-layer chromatography
Option D	Ion-exchange chromatography
Correct Option	A

Q. No. 41 0201041	Which of the following is the definition of chromatographic Rf (retention factor) value?
Option A	The distance that a particular compound moves from the start
Option B	The distance between the start and the solvent front
Option C	The distance that a particular compound moves divided by the distance of the solvent front from the start
Option D	None of the above
Correct Option	C

Q. No. 42 0201042	Which of the following is the shape of maize starch grains?
Option A	Oval
Option B	Round
Option C	Polygonal, with a central triangular or 2 to 5 stellate cleft hilum
Option D	Triangular
Correct Option	C

Q. No. 43 0201043	Which of the following processes can be used to prepare an extract rich in polysaccharides from linseed?
Option A	From grained drug with water
Option B	From grained drug with alcohol
Option C	From whole seeds with hot water
Option D	From whole seeds with diluted alcohol
Correct Option	C

Q. No. 44 0201044	Which of the following is characteristic of mucilage?
Option A	They can be extracted from the drug with water
Option B	They undergo hydrolysis to monosaccharide units upon boiling
Option C	They can be precipitated with alcohol
Option D	They give a viscous solution with water
Correct Option	B

Q. No. 45 0201045	Which of the following is the main method for the preparation of fixed oils used in medicine?
Option A	Heating the drug with organic solvents
Option B	Extraction with water
Option C	Cold extrusion

Option D	Warm extrusion
Correct Option	C

Q. No. 46 0201046	Flavonoids can be detected with reactions based on complex formation. Which of the following substituents on the flavone skeleton prevent this?
Option A	-OH on C5 (e.g. apigenin)
Option B	-OH on C3 and C5 (e.g. quercetin)
Option C	-O-galactoside on C5 and -OH on C3 (e.g. hyperoside)
Option D	-OCH ₃ on C5 and no -OH on C3 (e.g. nobiletin)
Correct Option	D

Q. No. 47 0201047	Which of the following does the hemolytic index indicate:
Option A	The di- and sesquiterpene content of volatile oils
Option B	The saponin content of the drugs
Option C	The steroid content of the drugs
Option D	The aliphatic monoterpene content of volatile oils
Correct Option	B

Q. No. 48 0201048	Which of the following reagents is suitable for the detection of the cardioactive glycosides of Digitalis purpureae folium?
Option A	2,4-Dinitrophenylhydrazine
Option B	Dimethylaminobenzaldehyde solution
Option C	Potassium hydroxide solution
Option D	Iodine vapour + starch solution
Correct Option	D

Q. No. 49 0201049	With which of the following methods can the anthraquinone derivative content of a drug be detected:
Option A	Upon warming of the extract with glacial acetic acid a red precipitate is formed
Option B	After extraction of the drug with organic solvent and mixing with diluted ammonium hydroxide solution, the separating alkaline phase shows a reddish-orange or red colour
Option C	The aqueous extract of the drug gives a blue precipitate with lead acetate
Option D	The organic solvent extract of the drug gives a yellow precipitate with a mixture of dilute hydrochloric acid and chlorogen
Correct Option	B

Q. No. 50 0201050	Which of the following is a C-glycoside
Option A	Arbutin
Option B	Gypsoside
Option C	Gentiopikrin
Option D	Aloin
Correct Option	D

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