

QB365 Question Bank Software Study Materials

Botany - Economically Useful Plants and Entrepreneurial Botany 50 Important 1 Marks Questions With Answers (Book Back and Creative)

12th Standard

Biology

Total Marks : 50

Multiple Choice Question

50 x 1 = 50

- 1) Consider the following statements and choose the right option.
i) Cereals are members of grass family.
ii) Most of the food grains come from monocotyledon.
(a) (i) is correct and (ii) is wrong **(b) Both (i) and (ii) are correct** (c) (i) is wrong and (ii) is correct
(d) Both (i) and (ii) are wrong
- 2) **Assertion:** Vegetables are important part of healthy eating.
Reason: Vegetables are succulent structures of plants with pleasant aroma and flavours.
(a) Assertion is correct, Reason is wrong (b) Assertion is wrong, Reason is correct
(c) Both are correct and reason is the correct explanation for assertion.
(d) Both are correct and reason is not the correct explanation for assertion.
- 3) Groundnut is native of ____.
(a) Philippines (b) India (c) North America **(d) Brazil**
- 4) Statement A: Coffee contains caffeine
Statement B: Drinking coffee enhances cancer
(a) A is correct, B is wrong (b) A and B – Both are correct (c) A is wrong, B is correct (d) A and B – Both are wrong
- 5) Tectona grandis is coming under family ____.
(a) Lamiaceae (b) Fabaceae (c) Dipterocarpaceae (d) Ebenaceae
- 6) Tamarindus indica is indigenous to ____.
(a) Tropical African region (b) South India, Sri Lanka (c) South America, Greece (d) India alone
- 7) New world species of cotton ____.
(a) Gossypium arboretum (b) G. herbaceum (c) Both a and b **(d) Gossypium barbadense**
- 8) **Assertion:** Turmeric fights various kinds of cancer
Reason: Curcumin is an anti-oxidant present in turmeric
(a) Assertion is correct, Reason is wrong (b) Assertion is wrong, Reason is correct **(c) Both are correct**
(d) Both are wrong
- 9) Find out the correctly matched pair.
(a) Rubber-Shorea robusta **(b) Dye-Lawsonia inermis** (c) Timber-Cyperus papyrus (d) Pulp-Hevea brasiliensis
- 10) Observe the following statements and pick out the right option from the following:
Statement I – Perfumes are manufactured from essential oils.
Statement II – Essential oils are formed at different parts of the plants.
(a) Statement I is correct (b) Statement II is correct **(c) Both statements are correct** (d) Both statements are wrong

- 11) Observe the following statements and pick out the right option from the following:
Statement I: The drug sources of Siddha include plants, animal parts, ores and minerals.
Statement II: Minerals are used for preparing drugs with long shelf-life.
- (a) Statement I is correct **(b) Statement II is correct** (c) Both statements are correct (d) Both statements are wrong
- 12) The active principle trans-tetra hydro canabial is present in _____.
(a) Opium (b) Curcuma **(c) Marijuana** (d) Andrographis
- 13) Which one of the following matches is correct?
(a) Palmyra - Native of Brazil (b) Saccharun - Abundant in Kanyakumari (c) Steveocide - Natural sweetener
(d) Palmyra sap - Fermented to give ethanol
- 14) The only cereal that has originated and domesticated from the New world.
(a) Oryza sativa **(b) Triticum aetumn** (c) Triticum durum (d) Zea mays
- 15) Paddy, Wheat and Sorghum, etc., comes under the category of cereals. All the members of cereals belong to which of the following family?
(a) Fabaceae **(b) Poaceae** (c) Leguminoneae (d) Caesalpinaeaceae
- 16) Statement 1: Arachis hypogea belongs to Fabaceae
Statement 2: It is a native of Brazil.
(a) Statement 1 is correct and Statement 2 is also correct (b) Statement 1 is correct and Statement 2 is incorrect
(c) Statement 1 is incorrect and Statement 2 is correct (d) Both the Statements are incorrect
- 17) Statement 1: Aloe vera belongs to the family Asphodelaceae.
Statement 2: Jasminum grandiflorum belongs to the family of Oleaceae.
(a) Statement 1 is correct and Statement 2 is also correct (b) Statement 1 is correct and Statement 2 is incorrect
(c) Statement 1 is incorrect and Statement 2 is correct (d) Both the Statements are incorrect
- 18) Select the new world species of cotton.
(i) Gossypium hirsutum
ii) Gossypium barbadense
(iii) Gossypium arboreum
(iv) Gossypium herbacecum
(a) i and ii only (b) i and iii only (c) iii and iv only (d) ii and iv only
- 19) The plant source of Marijuana is _____.
(a) Andrograph is paniculata (b) Phyllanthus maderspatensis **(c) Cannabis sativa** (d) Papaver somniferum
- 20) Identify the incorrect statements:
(a) Morphine is used as potent hepatoprotective.
(b) Phyllanthin is used as a strong analgesic in surgery.
(c) Indian Acalypha is used to cure skin diseases.
(d) Cissus quadrangularis is widely used for treating bone fractures.
(a) a and c (b) a and d (c) b and c **(d) a and b**
- 21) Which part of the world is considered as the center of origin of rice?
(a) South Afria (b) Australia (c) North Ameria **(d) South East Asia**
- 22) Which one of the following is the example for "Pseudo cereal"?
(a) oryza (b) Triticum **(c) Quinoa** (d) Sorghum
- 23) Match the botanical names with the common names.

(a) Ragi	(i) Vigna radiata
(b) Kodo Millet	(ii) Cajanus cajan
(c) Black gram	(iii) Paspalum scrobiculatum
(d) Red gram	(iv) Vigna mungo
(e) Green gram	(v) Eleusine coracana

(a) a-iii, b-iv, c-ii, d-i, e-v **(b) a-v, b-iii, c-iv, d-ii, e-i** (c) a-iv, b-iii, c-ii, d-v, e-i (d) a-iii, b-ii, c-v, d-i, e-iv

24) The origin of Sesamum indicum is

(a) South America (b) India **(c) Africa** (d) China

25) Which of the following wood is not used for paper making?

(a) Neolamarkia chintensis **(b) Hevea brasiliensis** (c) Casuarina (d) Eucalyptus

26) _____ is the major chemical component which is a hepato protective material,

(a) Phyllanthin (b) Safron (c) Marmilosin (d) Curcumin

27) Match the following

Common Name	Botanical Name	Family
Holy basil	Acalypha indica	(p) Phyllanthaceae
Indian Gooseberry	ocimum Sactum	(q) Rutaceae
Indian Acalypha	Phyllanthus emblica	(r) Lamiaceae
Vilvam	Cissus quadrangularis	(s) Vitaceae
Veldt grape	Aegle marmelos	(t) Euphorbiaceae

(a) a ii, r, b iii, p, c i, t, dv,g, e iv,s (b) a iii, p, b I, t, c v, g, d iv, r, e ii,s (c) a iii, q, b iv, r, c ii, s, d i,t, e v,p
(d) a iv, s, b ii, r, c iii, p, d I,t, e v,g

28) Lawsonia inermis and Aloe vera belong to the family respectively _____ and _____

(a) Euphorbiaceae and Asphodelaceae (b) Liliaceae and Lythraceae **(c) Lythraceae and Asphodelaceae**
(d) Lamiaceae and Liliaceae

29) TSM in India can be broadly classified into

(a) Industrialized and non industrialized **(b) Institutionalised and non institutionalised** (c) Mobilized and immobilized
(d) Internationalized and non internationalized

30) Match the following with the names of the plants

(a) Elettaria cardamomum	(i) black Gold of India
(b) Piper nigrum	(ii) Queen of Spices
(c) Ficus bengalensis	(iii) Dates of India
(d) Tamarindus indi(c)	(iv) State tree of tamilnadu

(a) a (iv), b (iii), c (ii), (d) (i) **(b) a(ii), b(i), c(iv), d(iii)** (c) a(iii), b(ii), c(i), d(iv) (d) a(ii), b(iv), c(i), d(iii)

31) Which plant is cultivated for about 7,500 years?

(a) Oryza sativa **(b) Triticum aestivum** (c) Secale cereale (d) Chenopodium

32) Find out the options related with the following tribal peoples Irulas, Malayalis, Kurumbas, Paliyans and Kaanis

(a) **Medicinal knowledge** (b) Warriors (c) Forest conservators (d) Familiar in Forest route maps

33) Which of the following plant has anti ageing properties?

(a) Ocimum sanctum (b) Acalypha indica (c) Aegle marmelos (d) **Phyllanthus emblica**

34) Match the following

(a) Lacosone	(i) Pain balm
(b) Coffine	(ii) Antiinflammatory
(c) Capsaicin	(iii) Harmless skin dye
(d) Curcumin	(iv) Bio absorption of medicine
(e) Pieperin	(v) Acetylene choline

(a) **a (iii), b (v), c (i), d (ii), e (iv)** (b) a (v), b (i), c (ii), d (iv), e (iii) (c) a (i), b (ii), c (iv), d (iii), e (v)

(d) a (ii), b (iv), c (iii), d (v), e (i)

35) Which is the temperate region fruit?

(a) Mango (b) Jack (c) Banana (d) **plum**

36) Which one of the following is an incorrect pair?

(a) Turmeric - Erode (b) Cardamom - Quenn of spices (c) Rubber - Kerala (d) **Banana - National fruit of India**

37) Which one of the following is highly effective against jaundice?

(a) Nilavembu (b) opium poppy (c) Marijuana (d) **Phyllanthus**

38) Folk system of medicine is popular in

(a) Nigeria (b) USA (c) **India** (d) UK

39) A man-made allopolyploid cereal crop is

(a) Hordeum vulgare (b) **Triticale** (c) Raphanus brassica (d) Zee mays

40) Green revolution in India occurred during

(a) **1960's** (b) 1970's (c) 1980 's (d) 1950's

41) First man-made cereal triticales is

(a) Octaploid (b) **hexaploid** (c) Both a & b (d) diploid

42) An example for semi-dwarf variety of wheat is

(a) IR 8 (b) **Sonalika** (c) Triticum (d) Saccharum

43) Himgiri developed by hybridization is selection for disease resistance against rust pathogen is a variety of

(a) Chilli (b) Maize (c) Sugarcane (d) **Wheat**

44) Breeding of crops with high levels of minerals vitamins and proteins is called

(a) somatic hybridization (b) **biofortification** (c) bio magnification (d) micro Propagation

45) Which one of the following is being tried in India as a biofuel substitute for fossil fuels?

(a) Aegilops (b) **Jatropha** (c) Azadirachta (d) Musa

46) Rotenone is a natural insecticide obtained from

(a) Azadirachta indica (b) **Derris elliptica** (c) Bacillus thuringiensis (d) Phytophthora palmivora

47) Select the incorrect pair/pairs of statements about single cell protein

- i. Chemical pesticides - Safe for human and the environment
- ii. Mushrooms - White vegetable
- iii. Zarrouk medium- Culture medium
- iv. Seaweed - Rich in potassium

(a) (i) and (ii) **(b) (i) and (iv)** (c) (i) and (iii) (d) (i) alone

48) Match the following pairs about mushroom cultivation

A. Straw size	(i) 75-85%
B. Distant between blocks	(ii) 20 cm
C. Cap size at harvesting	(iii) 2-4 inch
D. Relative humidity	(iv) 10-12 cm

(a) A-(ii), B-(iii), C-(iv), D-(i) **(b) A-(iii), B-(ii), C-(iv), D-(i)** (c) A-(ii), B-(iii), C-(iv), D-(i) (d) A-(i), B-(ii), C-(iii), D-(iv)

49) Assertion: In Spirulina culture, half of the required nutrients added first and the rest in later.

Reason: If all the nutrients are added first, it will affect the culture growth.

(a) Both A and R are true and R is the correct explanation of A.

(b) Both A and R are true but R is not the correct explanation of A (c) A is true but R is false

(d) Both A and R are false.

50) Nilavembu belongs to the family _____

(a) Acanthaceae (b) USA (c) India (d) UK