

PGCET-BOTANY

Histology & Anatomy-Practice bits-2

26. Which xylem component is living among the following?
A) Xylem tracheids B) Xylem vessels C) Xylem parenchyma D) Xylem fibres
27. The term "Tracheid" was given by
A) Sanio B) Grew C) Nageli D) Strasburger
28. Usually Xylem vessels are absent in most of the
A) Pteridophytes B) Gymnosperms C) Angiosperms D) Both A & B
29. In Pteridophytes, Xylem vessels are seen in
A) *Selaginella* B) *Equisetum* C) *Marsilea* D) All of these
30. In Gymnosperms, Xylem vessels are seen in
A) *Gnetum* B) *Ephedra* C) *Welwitschia* D) All of these
31. In Angiosperms, Xylem vessels are absent in
A) *Drymis*, *Trochodendron* B) *Hydrilla*, *Vallisneria* C) *Yucca*, *Dracaena* D) All of these
32. Xylem fibres with Simple pits are known as
A) Libriform fibres B) Fibre tracheids C) Bast fibres D) Soft fibres
33. Xylem fibres with bordered pits are known as
A) Libriform fibres B) Fibre tracheids C) Bast fibres D) Soft fibres
34. The balloon like structures usually formed in secondary xylem are known as
A) Simple pits B) Bordered pits C) Tyloses D) Bars of Sanio
35. Xylem helps to plant to
A) Conduct Water B) Conduct Minerals C) give mechanical support D) All of these
36. Phloem helps to plant to conduct
A) Food B) Minerals C) phytohormones D) All of these
37. The condition in which protoxylem lies between two metaxylems is known as
A) Exarch B) Endarch C) Mesarch D) Centrarch
38. Which phloem component is non-living among the following?
A) Sieve cells B) Sieve tubes C) Phloem parenchyma D) Phloem fibres
39. Amphivasal vascular bundles are seen in
A) *Dracaena* B) *Yucca* C) *Aloe* D) All of these
40. Bi-colleateral vascular bundles are found in
A) Cucurbitaceae B) Solanaceae C) Asclepiadaceae D) All of these
41. Enucleated cell of phloem is
A) Sieve cell B) Sieve tube element C) Phloem fibres D) All of these
42. Phloem is also known as
A) Hadrome B) Leptome C) Bast D) Wood
43. Secondary Phloem is also known as
A) Hadrome B) Leptome C) Bast D) Wood
44. Find out the dead cells of Phloem from the following.
A) Sieve cells B) Sieve tube elements C) Phloem fibres D) Companion cells
45. Multiple epidermis is found in
A) *Nerium* leaves B) *Ficus* leaves C) Velamen roots of *Vanda* D) All of these
46. Which cell organelle is absent in Epidermal cells except guard cells?
A) Chloroplast B) Vacuole C) Mitochondria D) Ribosomes
47. Which of the following **does not** belong to Epidermal tissue system?
A) Bulliform cells B) Cuticle C) Trichomes D) Root hairs
48. Amphicribal vascular bundles are found in
A) Ferns B) Monocots C) Dicots D) Conifers
49. The zone below the endodermis is called as
A) Pericycle B) Vascular bundles C) Medulla D) Stele
50. During secondary growth, formation more xylem than phloem is caused by
A) Auxins B) Gibberellins C) Cytokinins D) Ethylene

KEY:- 26-C 27-A 28-D 29-D 30-D 31-D 32-A 33-B 34-C 35-D 36-D 37-C
38-D 39-D 40-D 41-D 42-B 43-C 44-C 45-D 46-A 47-B 48-A 49-D 50-A

By
DR