

PGCET-BOTANY

Histology & Anatomy-Practice bits-1

1. Who is considered as “Father of Histology”?
A) C. Nageli B) Marcello Malphigi C) Nehmiah Grew D) Hanstein
2. Who is considered as “Father of Plant Anatomy”?
A) C. Nageli B) Marcello Malphigi C) Nehmiah Grew D) Hanstein
3. The terms “Meristem”, “Xylem”, “Phloem” were coined by
A) Nageli B) Hanstein C) Schmidt D) Hofmeister
4. Formation of Primary permanent tissues from Primary meristem is known as
A) Differentiation B) Dedifferentiation C) Redifferentiation D) Maturation
5. Formation of secondary meristem from Primary permanent tissues is known as
A) Differentiation B) Dedifferentiation C) Redifferentiation D) Maturation
6. Formation of secondary permanent tissues from secondary meristem is known as
A) Differentiation B) Dedifferentiation C) Redifferentiation D) Maturation
7. Find out the location of primary meristems in plants from the following
A) Root Apex B) Shoot Apex C) Axillary buds D) All of these
8. “Histogen theory” was proposed by
A) Nageli B) Hanstein C) Schmidt D) Hofmeister
9. “Tunica-Carpus theory” was proposed by
A) Nageli B) Hanstein C) Schmidt D) Hofmeister
10. “Histogen theory” is applicable to
A) Stem only B) Roots only C) Branches only D) All of these
11. Which histogen is responsible for the formation of Stele?
A) Dermatogen B) Periblem C) Plerome D) All of these
12. “Apical cell theory” was proposed by
A) Nageli B) Hanstein C) Schmidt D) Hofmeister
- 13) The term “Parenchyma” was coined by
A) Schleiden B) Marcello Malphigi C) Nehmiah Grew D) Hanstein
14. The term “Collenchyma” was coined by
A) Schleiden B) Mettenius C) Nehmiah Grew D) Hanstein
15. The term “Sclerenchyma” was coined by
A) Schleiden B) Mettenius C) Nehmiah Grew D) Hanstein
16. Which of the following is **not** a simple tissue?
A) Xylem B) Parenchyma C) Collenchyma D) Sclerenchyma
17. Which simple tissue is known as “Fundamental tissue”?
A) Meristem B) Parenchyma C) Collenchyma D) Sclerenchyma
18. Which simple tissue is considered as “Living Mechanical tissue”?
A) Parenchyma B) Collenchyma C) Sclerenchyma D) Prosenchyma
19. Which compound is found in large quantity in Collenchyma?
A) Cellulose B) Hemicellulose C) Pectin D) Lignin
20. Collenchyma is absent in
A) Monocots B) Dicot roots C) Under ground Stems D) All of these
21. Which simple tissue is considered as “Dead Mechanical tissue”?
A) Parenchyma B) Collenchyma C) Sclerenchyma D) Prosenchyma
22. Which compound is found in large quantity in Sclerenchyma?
A) Cellulose B) Cutin C) Pectin D) Lignin
23. The fibres which are found especially in Phloem are known as
A) Libriform fibres B) Fibre Tracheids C) Bast fibres D) Xylary fibres
24. Xylem is also known as
A) Hadrome B) Leptome C) Bast D) Wood
25. Secondary Xylem is also known as
A) Hadrome B) Leptome C) Bast D) Wood

KEY:- 1-B 2-C 3-A 4-A 5-B 6-C 7-D 8-B 9-C 10-B 11-C 12-A 13-C
14-A 15-B 16-A 17-B 18-B 19-C 20-D 21-C 22-D 23-C 24-A 25-D

By
DR