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S. B. ARTS AND K. C. P. SCIENCE COLLEGE
VIJAYAPUR- 586103.
ACCREDITED AT THE 'A' LEVEL In 3rd Cycle
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DATE:25/11/2021

DEPARTMENT OF BOTANY
STUDENT SEMINAR 2021-22

NOTICE

This is to inform all the Bsc 3rd Sem students that following is the list of participents in seminar against their allotted topics. All the students are informed to attend the seminar without fail.

Sl.No	Name of the student	Topic allotted	Date of seminar
1	SATISH NAGAPPAGOL	Structure of Anther and pollen	27/11/2021
2	MALLANAGOUDA	Double fertilization	27/11/2021
3	SEEMA.S.JITTI	Secondary growth in dicot stem	01/12/2021
4	AKSHATA RACHAGOND	Types of ovules	01/12/2021
5	BHAGYASHREE BAGALOOR	Stelar and extra stelar secondary growth in dicot stem and root	01/12/2021
6	MANASA SHIVASHARANA UJJINI	Structure of monocot and dicot seed	01/12/2021
7	HARIPRIYA KAVI	Meristematic tissue and its types	01/12/2021
8	SUREKHA PRANESH KULKARNI	Simple tissues	01/12/2021
9	SAHYADRI BASAVARAJ DITIHAL	Leaf fall	01/12/2021
10	VAISHNAVI KUMBAR	Pollination	02/12/2021

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B.Sc III SEMESTER SEMINAR LIST 2021-22

SL. NO	RCU NO.	ROLL NO	STUDENT NAME	SIGN
1	S2028923	1	VAISHNAVI KUMBAR	
2	S2028955	16	YASHODHA SURESH ROOGI	
3	S2028719	18	PRIYANKA BHEEMARAY KANNUR	
4	S2028754	20	ROOPA BASAVARAJ HIPPARAGI	
5	S2028702	21	PRASHANT BHAGANNA KANNUR	
6	S2028470	29	ANITA CHOUDHARY	
7	S2028489	33	ASHA	
8	S2028529	34	BHOOMIKA S BELLAD	
9	S2028748	36	RESHMA BHAGAWAN	R.M.B
10	S2028444	37	AKSHATA KORI	
11	S2028608	44	LAXMI BALI	L.R.Bali
12	S2028426	45	AISHWARYA SAJJAN	
13	S2028562	50	HARIPRIYA KAVI	
14	S2028574	51	JUBER MUJAWAR	
15	S2028481	58	APSANA MUJAWAR	A.A.M
16	S2028542	61	DAMINI BHIMANGOUDA NAGARADDI	
17	S2028491	64	ASHWINI	
18	S2028555	65	GEETA HULLUR	
19	S2028564	90	PREETI CHANDRAKANT HORTI	
20	S2028772	91	SAHYADRI BASAVARAJ DOTIHAL	
21	S2028584	94	KATTIKAR KARANAKUMAR AMASIDDA	Karan.
22	S2028550	98	VIKAS SUKHADEV GADADE	Vikas
23	S2028936	101	VIDYASHREE CHATTI	
24	S2028634	106	MANASA SHIVASHARANA UJJINI	
25	S2028786	111	SATISH NAGAPPAGOL	
26	S2028867	112	SUDEEP SATIHAL	
27	S2028456	115	AMBIKA	
28	S2028799	117	SHANTABAI MARUTI JAMADAR	
29	S2028648	123	NEHA NARAYAN KAMBLE	Kamble.
30	S2028774	125	SAKSHITA BASAPPA DALAWAI	S.B.Dalawai
31	S2028888	128	SUREKHA PRANESH KULKARNI	
32	S2028755	129	ROOPA DHANNUR	
33	S2028925	132	VAISHNAVI N KULKARNI	
34	S2028726	134	PUNEET LINGADALLI	
35	S2028474	148	ANJANA LONI	Loni
36	S2028742	150	RASHMI BALESH TIKOTI	
37	S2028850	152	SONALI SANGAPPA KARJOL	
38	S2028483	154	ARATI KAREPPA KODEKAL	
39	S2028639	160	MEGHA BIRADAR	
40	S2028478	163	APOORVA WAGHMORE	
41	S2028716	164	PREETI POLICE PATIL	
42	S2028592	185	KAVITA S NALKAMAN	K.S.N.
43	S2028530	187	BHUVANESHWARI LAXMAN BATAGUNAKI	
44	S2028913	191	UMARANIKAR SHRUTI DEVENDRA	

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SL. NO	RCU NO.	ROLL NO	STUDENT NAME	SIGN
45	S2028451	193	AKSHATA VIRUPAKSHAYYA HIREMATH	
46	S2028450	194	AKSHATA VIJAYAKUMAR METRI	A.V.Metri
47	S2028896	196	SUSMITA TILAGUL	SIAT
48	S2028793	197	SEEMA SURESH JITTI	
49	S2028743	207	RASHMI RAMACHANDRA BHAVIMANI	
50	S2028864	213	SRUSHTI ULLAGADDI	
51	S2028643	214	NANDA ARAKERIMATH	
52	S2028534	218	CHANDANA	
53	S2028921	220	VAISHNAVI JAKANUR	
54	S2028402	221	ABHISHEK	
55	S2028519	222	BHAGYASHREE JANAGOUDAR	
56	S2028801	223	SHARANABASABAVA SADYAPUR	
57	S2028472	224	ANJALI PATIL	
58	S2028928	227	VANISHRI HIRAJRAY BIRADAR	
59	S2028500	228	BAGALKOT ANJALI SURESH	
60	S2028812	229	SHIVARAJ	
61	S2028817	235	SHRADDHA TONDIKATTI	
62	S2028692	236	PRAFULA YALAMELI	
63	S2028417	238	AISHWARYA ISHWAR SAVANT	
64	S2028885	240	SUPRIYA CHIKKAYYA MATHAPATI	
65	S2028630	241	MALLANAGOUDA	
66	S2028815	242	SHIVUKUMAR KANNI	
67	S2028520	243	BHAGYASHREE NAGENDRA HADAPAD	B.N.H
68	S2028909	246	TANUJA BARADOL	
69	S2028679	251	POOJA ASHOK WALIKHNDI	
70	S2028576	252	JYOTI S GUNAKI	
71	S2028600	253	KEERTI SHASHIKANT GADYAL	
72	S2028413	256	AISHWARYA DAYANAND ANKALAGI	
73	S2028852	257	SOUBHAGYA SURESHBABU ITAGI	
74	S2028940	258	VIJAYALAXMI MALLIKARJUN PATTANAD	
75	S2028682	263	POOJA RAJU SINDAGI	
76	S2028866	265	SUDEEP S SHIVASHARAN	
77	S2028728	267	RABIYA MOPAGAR	
78	S2028929	268	VARSHA AGASAR	
79	S2028945	269	VINOD SIDDAPPA KAPSE	
80	S2028401	270	A VIKAS	
81	S2028629	272	MALAPPA MAHANINGAPPA POOJARI	
82	S2028886	277	SURAKSHA SANGANNA JERATAGI	
83	S2028593	278	KAVYA BASAVARAJ YADAWAD	
84	S2028715	282	PREETI KALLAPPA HANJI	
85	S2028511	285	BHAGYASHREE BAGALOOR	
86	S2028854	286	SOUMYA AGNI	
87	S2028538	287	CHANDRAKANTH	
88	S2028680	289	POOJA BAGALI	
89	S2028535	290	CHANDAN SHANTAPPA KARNAL	
90	S2028887	299	SUREKHA C PAWAR	
91	S2028454	300	AMARALAXMI SHARANAGOUDA MULIMANI	
92	S2028517	301	BHAGYASHREE HANAMANT ARASANAL	B.H.Arasanal
93	S2028422	305	AISHWARYA PRAKASH NAGAVI	

SL. NO	RCU NO.	ROLL NO	STUDENT NAME	SIGN
94	S2028720	312	PRIYANKA KOTIKHANI	
95	S2028627	314	MAHESH SURESH PATTANASHETTI	
96	S2028424	320	AISHWARYA S BIRADAR	
97	S2028559	323	GURU MOUNESH PATTAR	
98	S2028691	336	PRADNYA DATTATREYA KULAKARNI	
99	S2028485	343	ARAVIND KUMBAR	
100	S2028536	361	CHANDANA D SHRINGERI	
101	S2028446	363	AKSHATA RACHAGOND	
102	S2028554	371	GANGADHAR PUJARI	
103	S2028407	377	ABHISHEK ALAGUR	
104	S2028853	380	SOUJANYA PRAKASH BAMMANALLI	
105	S2028440	381	AKASH SHIVASHANKAR INGALESHWAR	
106	S2028572	382	JAYASHREE BAJANTRI	
107	S2028713	383	PREETI BASAVANTAPPA PATIL	
108	S2028468	389	ANILKUMAR	
109	S2028458	392	AMBIKA MONAPPA BADIGER	
110	S2028437	396	AKASH KABADE	
111	S2028533	397	CHAITRA SALOTAGI	
112	S2028578	398	KAVERI CHENNUR	
113	S2028484	401	ARAVIND ASHOK SHEGUNASI	
114	S2028528	402	BHIMANGOUND THABBANNAVAR	
115	S2028557	410	GIRISH MUKARTIHAL	
116	S2028409	417	AFREEN	
117	S2028765	422	SAEE PRAKASH WAGHMARE	
118	S2028410	426	AISHWARYA ANAND SHIPARAMATTI	
119	S2028900	430	SWATHI BIRADAR	
120	S2028625	434	MAHESH BIRADAR	
121	S2028622	435	MAHANTAYYA	
122	S2028620	436	MADHUGOUDA MALLANAGOUDA ASKI	
123	S2028512	437	BHAGYASHREE CHANDRAKANT AMBIGER	
124	S2028521	445	BHAGYASHREE RAMESH BADIGER	
125	S2028872	446	SUJATA KIRASUR	
126	S2028773	447	SAIKUMAR YAMANAPPA ILAGER	
127	S2028506	450	BHAGANNA DATTAPPA POOJARI	
128	S2028862	455	SPOORTI S SHETTENNAVAR	
129	S2028636	456	MANJUNATH RAVASAB KHOT	
130	S2028580	459	KARISHMA KUSHAL NADAF	
131	S2028415	461	AISHWARYA GURURAJ KOULAGI	
132	S2028563	464	HIRAGOND SIDDHANNA RAMAGOND	
133	S2028805	470	SHASHI	
134	S2028408	471	ABUSUFIYAN ATANUR	
135	S2028466	473	ANAND VIJAYAKUMAR PATIL	
136	S2028467	483	ANIL TILGOOL	
137	9	484	SAKSHI SHIVANAND HALLI	
138	S2028663	486	NIVEDITA PATIL	
139	S2028700	487	PRASHANT	
140	S2028732	488	RAJASHEKHAR KAROTI	
141	S2025041	498	MANJUSHA G MARATHE	

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B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS	B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS
Name of the student: Bhagyashree. Bagaloor Class: B.Sc IIIrd sem Date: 01/12/2021 Time: 9:20 – 10:15 am No. of students present:	Name of the student: Vaishnavi. Kumbar Class: B.Sc IIIrd sem Date: 02/12/2021 Time: 10:15 – 11:10 am No. of students present:
Topic: Stelar and extrastelar Secondary growth in dicot stem	Topic: Pollination: It's types, mechanism of pollination and Agents of pollination.
Remarks: Explanation skill is very nice. Good stage courage	Remarks: Good explanation, and the confide -nce level is high.
Staff in charge: M.S Sathyal.	Staff in charge: M.S Sathyal.

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B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS	B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS
Name of the student: Manasa. Shivasharana Ujjini Class: B.Sc III rd sem Date: 01/12/2021 Time: 12:05 to 1:10 pm No. of students present:	Name of the student: Sahyadri. Basavaraj. Dothihal. Class: B.Sc III rd sem Date: 01/12/2021 Time: 12:05 to 1:10 pm No. of students present:
Topic: Structure of monocot and Dicot seed	Topic: Leaf fall.
Remarks: Stage courage is good.	Remarks: Explanation is good.
Staff in charge: M.S. Dashyal.	Staff in charge: M.S. Dashyal.

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B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS	B.L.D.E.A's S.B ARTS AND K.C.P SCIENCE COLLEGE VIJAYAPUR DEPARTMENT OF BOTANY SEMINAR BY STUDENTS
Name of the student: Seema. Jitti Class: B.Sc IIIrd sem Date: 01/12/2021 Time: 9:20 to 10:10 am No. of students present:	Name of the student: Akshata. Rachagond Class: B.Sc IIIrd sem Date: 01/12/2021 Time: 9:20 to 10:15 am No. of students present:
Topic: Secondary growth in Dicot stem	Topic: Types of ovules
Remarks: Seminar presentation is very neat	Remarks: Stage courage is good.
Staff in charge: M.S. Rathyal.	Staff in charge: M.S Rathyal.

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Name of the student: Haripriya Kavi Class: B.Sc IIIrd sem Date: 01/12/2021 Time: 11:10 – 12:05 No. of students present:	Name of the student: Surekha. Pranesh. Kulkarni Class: B.Sc IIIrd sem Date: 01/12/2021 Time: 11:10 - 12:05 No. of students present:
Topic: Meristematic tissues and it's types	Topic: Simple tissues
Remarks: Explanation is good	Remarks: Seminar representation is good
Staff in charge: M.S. Rathyal.	Staff in charge: M.S Rathyal.

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Name of the student: Satish Nagappagol Class: B.Sc IIIrd sem Date: 27/11/2021 Time: 10:15 to 11:10 am No. of students present:	Name of the student: Mallanagouda Class: B.Sc IIIrd sem Date: 27/11/2021 Time: 10:15 to 11:10 am No. of students present:
Topic: Structure of Anther & Pollen	Topic: Double fertilization.
Remarks: Explanation is good. Black board work is nice.	Remarks: Stage courage is good.
Staff in charge: M.S Rathyal.	Staff in charge: M.S Rathyal.

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Name :- Manasa. S. Ujjini

Sub :- Botany

Rollno :- 106

RCUno. :- S2028634

Seminar Report

Topic :- Structure of Dicot & Monocot Seed.

Valued.
Mrs Rathyal.

Seed :-

Dicot seed.

* seed is the ripened ovule which are formed after the fertilization
* seed consists of seed coat and embryo.
* seed are the characteristic feature of spermatophyte (Gymnosperms and Angiosperms)
* A seed may have one or two coverings called seed coats. The outer testa inner tegmen.
* The surface of the seed possesses a fine pore at one end is called micropyle.
* The micropyle of ovule permits the entry of water needed at the time of germination.
* Just behind the micropyle hilum is present. It is the scar left on the seed coat when it is detached from the fruit wall.
* with in the seed coat there is the embryo, consisting of an embryonal axis and two cotyledons. The cotyledons are often fleshy and full of reserve food materials.
* At the micropylar end of the embryonal axis bears radicle and the other end contains plumule.
* plumule gives raise to the shoot system.
* Radicle gives raise to the root system.

Two types of seeds.

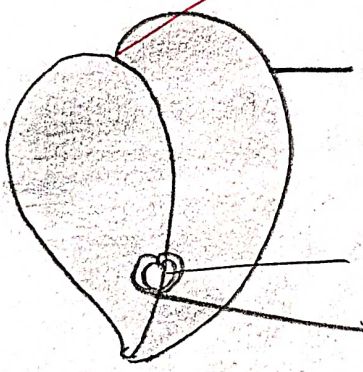
* Albuminous
* Exalbuminous

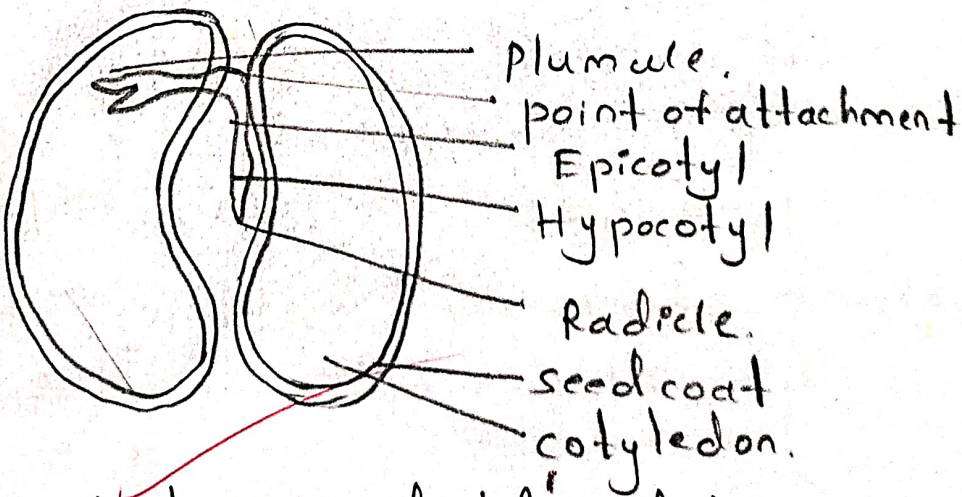
* In these seeds food is stored in the endosperm.

EX:- corn, wheat castor, onion etc.

* They usually store RFM in cotyledons In these seeds, the endosperm is used up and not present in mature seeds.

EX:- bean, gram & pea.



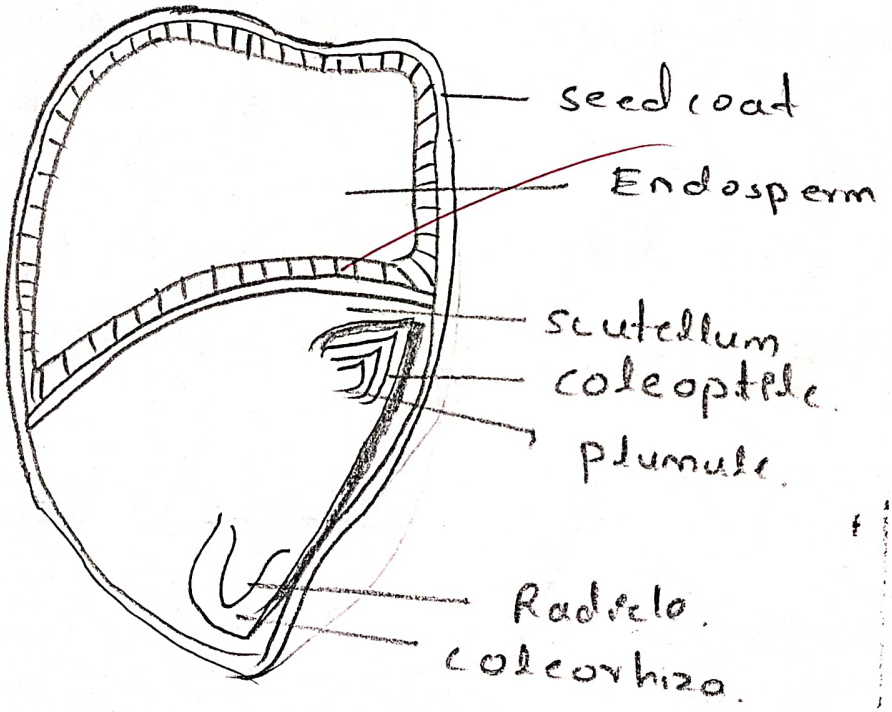


* The portion between radical and the point of attachment of the cotyledons - Hypocotyl

* plumule & cotyledon - Epicotyl

* Most dicotyledonous seeds are exalbuminous
* A few dicotyledons like castor, bean and rubber have albuminous seeds. As Their cotyledons are thin & papery.

Monocot seed



* In the seeds of cereals such as maize the seed coat is membranous and generally fused with fruit wall [pericarp]
* The major part of the grain is occupied by a large endosperm which is rich in starch.

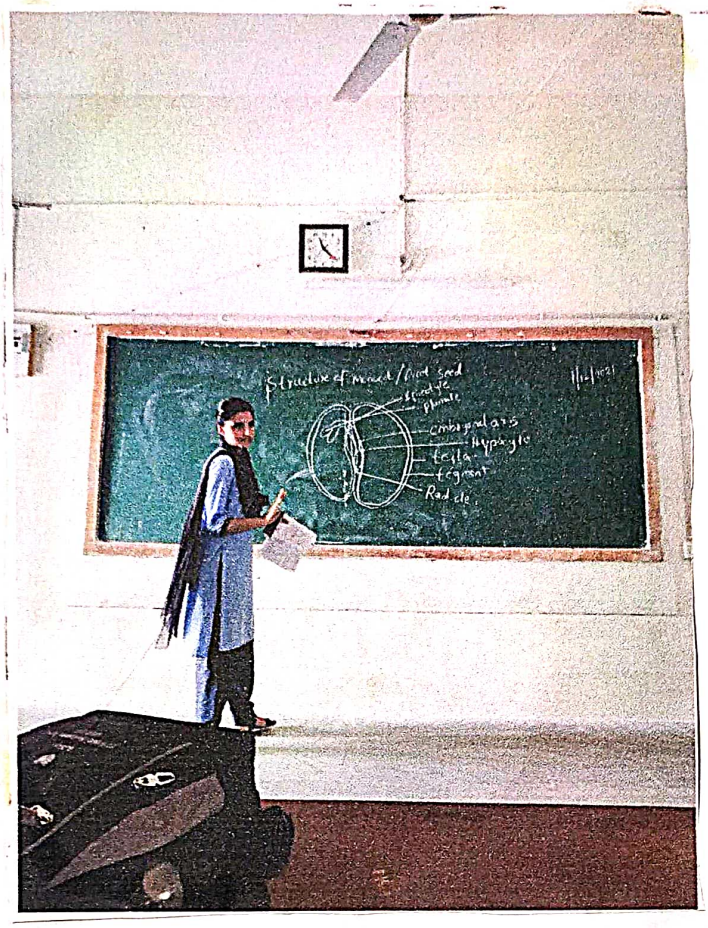
The outer covering of the endosperm separates the embryo by a proteinous layer called aleurone layer.

* The embryo consists of a cotyledon and an embryonal axis.

The cotyledon is also called scutellum in cereals / Monocots.

The lower end of the axis is called the radicle which has a protective sheath called coleorhiza.

The upper end of the axis is called the plumule covered by coleoptile.



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Name :- Seema S. Jitti

RO No :- 197

Reg NO : S2028793

Sem : BSc IIIrd sem (CBZ)

Sub : Botany Seminar

Topic : SECONDARY GROWTH IN DICOT STEM

Date : 1/12/2021

Valued

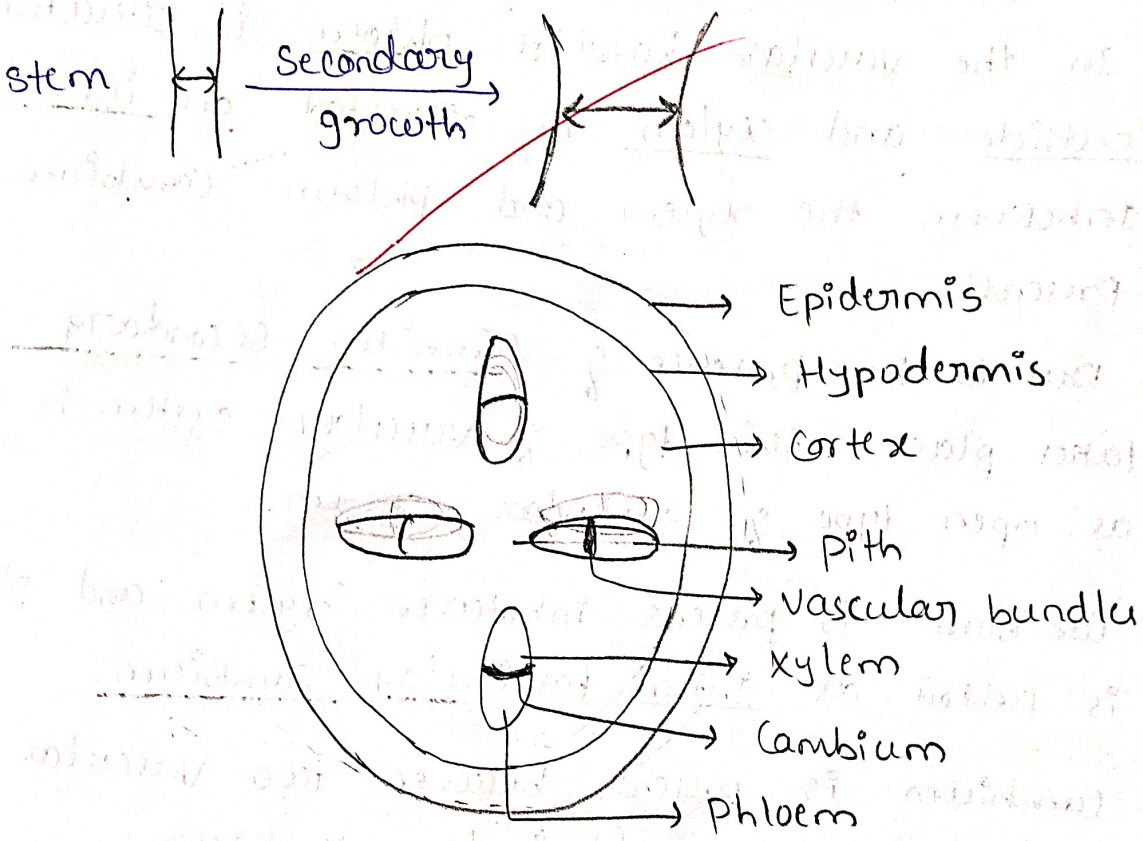
Ms Sabhyal.

SECONDARY GROWTH IN DICOT STEM

Secondary growth :- The Process of increase in the girth of the plant body is called secondary growth.

or

The Process by which the thin delicate plant transform into strong thick tree.



* The outermost layer is called as Epidermis which gives protection to the vascular bundles.

* The layer that situated just below the Epidermis is called hypodermis in Dicot plants. hypodermis is made up of only from Collenchymatous cells helps to mechanical support.

* The region between Hypodermis and Endodermis 3-4 layered cortex which are made up of from parenchymatous cells.

* In dicot stem mainly presence of four to six or less than six vascular bundles are present is called as Diarch or Tetrach or Hexarch Condition.

* In the vascular bundles phloem is situated on outside and xylem is situated on inner side. Inbetween the xylem and phloem Cambium is present.

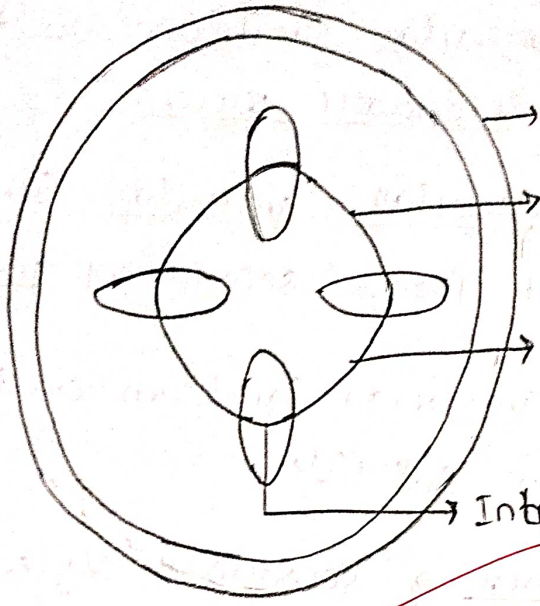
* Due to the presence of Cambium secondary growth takes place. this type of vascular system is called as open type of vascular system.

* Cambium is present inbetween xylem and phloem is called as Intra fascicular Cambium.

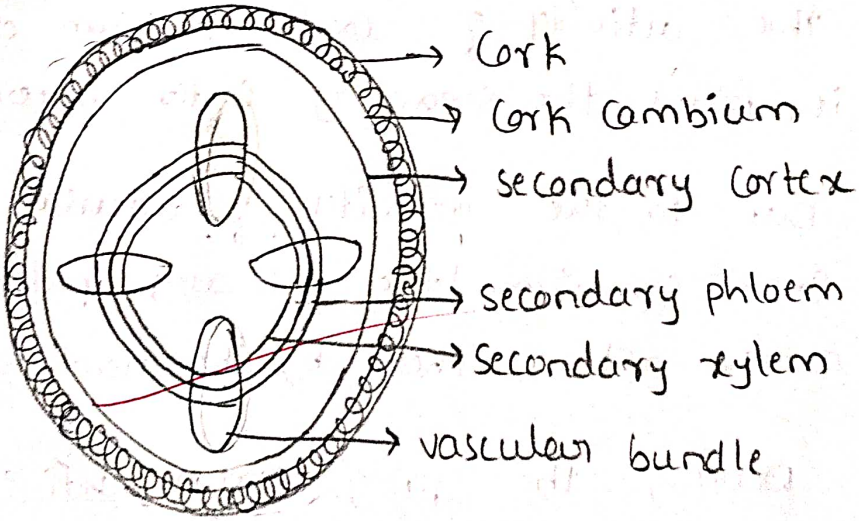
* Cambium is present between two vascular bundles are called Inter fascicular cambium.

* They are 2 types in Cambium.
  1) Cork cambium
  2) Vascular Cambium.

* The Cork Cambium is formed by the dedifferentiation of cells of cortex the both cambium cells are on both outer and Inner side



The vascular cambium is formed by the dedifferentiation of cells of medullary rays as a result the ring of dividing cells are formed by joining of these interfascicular cambium with the newly formed. Inter fascicular cambium this ring is called as vascular cambium.



The activity of vascular cambium cuts secondary phloem on the outer side and secondary xylem on the side.

* The activity of vascular cambium on the Inner side it forms secondary xylem.

* The activity of vascular vascular cambium on the outer side it forms secondary phloem.

* The activity of vascular cambium on the innerside is more than the outerside

* Hence the thickness of secondary xylem is more than the secondary phloem.

* simultaneously the activity of cork cambium on the outer side it forms, thick dark layers of dead cells it gives protection to the Epidermis from any mechanical barriers.

* The activity of cork cambium on the inner side it forms the secondary cortex layer.

* Due to the activity of vascular cambium and cork cambium the primary phloem and primary cortex get crushed by the newly formed layers

* During the spring season activity of vascular cambium is more the secondary xylem formed lighter in colour and the ring has wider in diameter is called spring wood.

* During the autumn season activity of vascular cambium is decrease the secondary xylem formed dark

in colour so the ring is relatively an narrower it's called Autumn wood

In a year one ring is spring wood inner to vascular cambium and one ring of autumn wood outer to vascular cambium is combinely called one Annual ring which is used to determine the age of Tree

* In the Next year new layers spring wood. autumn wood and secondary phloem. secondary cortex and cork are formed.

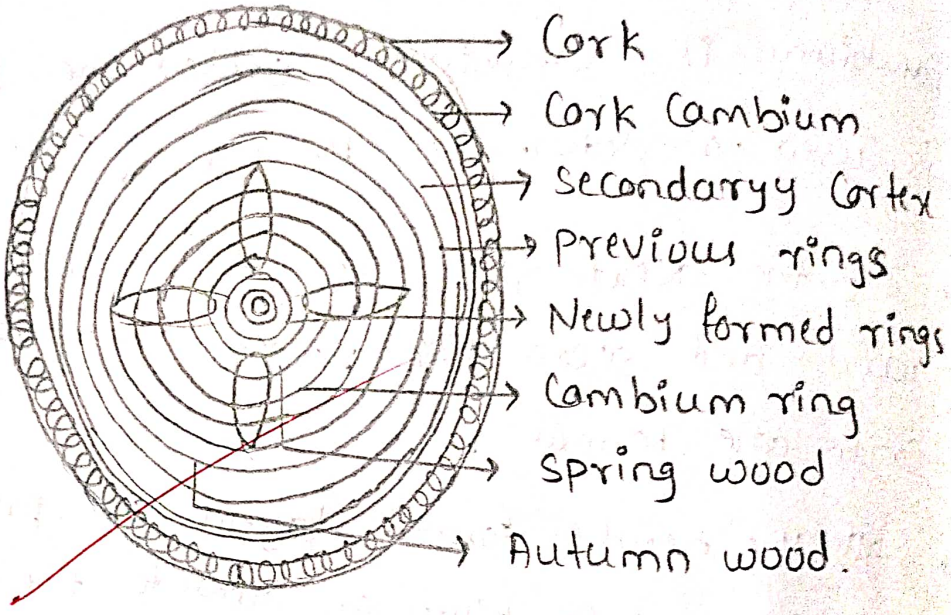
* All the newly formed layers are present either just inner to the Cambium or outer to the pith Completely depends on their position.

for ex: The second annual ring is present just inner to vascular Cambium secondary ring of secondary phloem present just outer to the vascular Cambium

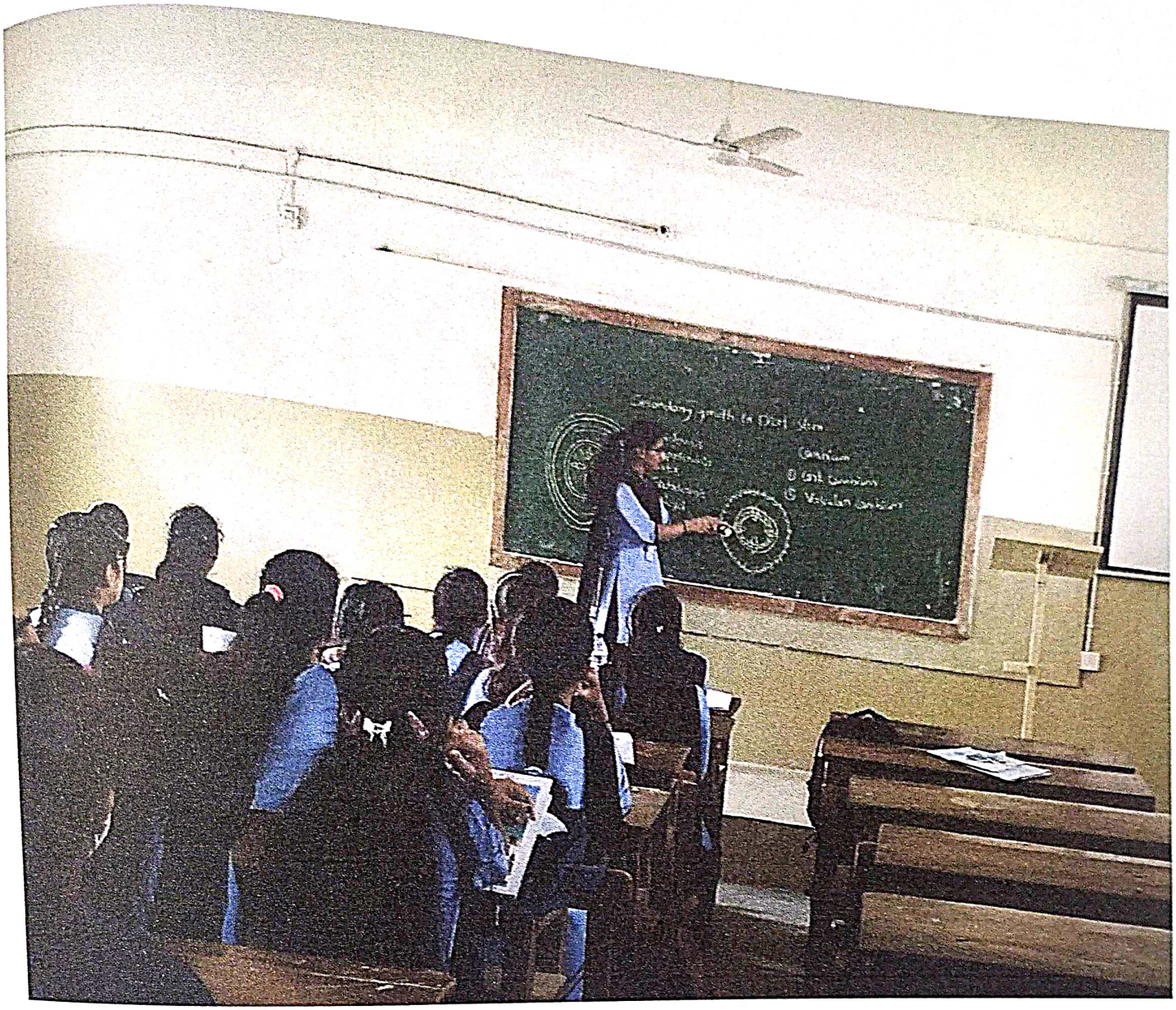
* All the previous formed layers moves away from the Cambium new layers of secondary xylem and secondary phloem formed

* The previously formed layers become non-functional so on that time the process of Conduction is performed by the newly formed secondary xylem and secondary phloem.

* Similarly here new layers are added and as a result the girth of the tree keeps on increasing



* Reference book : Errorless book.



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