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B.L.D.E Association's  
S.B. Arts and K.C.P. Science College, Vijayapur,

**DEPARTMENT OF BOTANY**

**“TUTORIALS”**

**2018-2019**

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B.LD.E Association's

S.B. Arts and K.C.P. Science College, Vijayapur,


Department of BOTANY

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NOTICE

Date :30/07/2018

It is here by informed that the Tutorial classes will be held to the BSc I,III and V semester students from 05/08/2018. The timetable will be displayed on the notice board . All the students must attend the classes .

  
**HEAD**  
Department of Botany  
SB Arts & KCP Science College  
VIJAYAPUR-586103.

  
**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

  
**Principal,**  
S.B.Arts & K.C.P. Science College,  
VIJAYAPUR.

# TIME-TABLE FOR TUTORIALS

2018-2019

TIME	SUNDAY		
11:30- 12:30 PM	BSc I semester	BSc III semester	BSc V semester
1:00-2:00 PM	BSc I semester	BSc III semester	BSc V semester



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B.L.D.E.ASSOCIATION'S

**S. B. ARTS AND K. C. P. SCIENCE COLLEGE, VIJAYAPUR**  
**RE – ACCREDITED AT THE 'A' LEVEL, IN 3<sup>rd</sup> CYCLE**

Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224

Fax: 08352 – 261766 E-mail: bldeasbkcp@gmail.com



Centenary Year 2010

**DEPARTMENT OF BOTANY**  
**ATTENDANCE LIST FOR TUTORIALS (2018-19)**

CLASS: B.SC I SEMESTER

FACULTY NAME: Dr. P.D. Needagi & Prof. L. Mallyan.

SL. NO	NAME OF THE STUDENT	5/8/18	12/8/18	26/8/18	2/9/18	9/9/18	16/9/18	23/9/18
1.	SHUBHAM.KAMBLE	P	P	A	P	A	P	P
2.	SOUMYA . JIVAPPA . UMARANI	P	P	P	P	P	A	A
3.	MUTTAPPA . JAMAKHANDI	P	A	P	P	P	P	P
4.	LAXMI . SUNIL . MUTAGOND	P	P	P	P	P	P	P
5.	RUDRAMMA .. GHOOli	P	P	P	P	A	A	P
6.	BHAVANI . BAGEWADI	A	P	P	P	P	P	P
7.	KAVYA . DESHPANDE	A	P	P	A	P	P	P
8.	MAHALAXMI . MUCHCHANDI	P	P	P	P	P	A	P
9.	PURNIMA . JAMBAGI	P	P	P	A	P	A	P
10.	SNEHA . MUCHCHANDI	P	P	P	P	P	P	P
11.	ASHARANI . BAPURAY . MOLE	P	P	P	P	A	P	P
12.	KAVERI.THAKKANAVAR	P	P	P	A	P	A	P
13.	BHAVANAKNVAR .. RAJPUT	P	A	P	A	P	A	P
14.	AISHWARYA .. MADIVALAR	P	A	P	P	A	P	P
15.	VEENA . DUNDAPPA . SANGALAD		P	P	P	P	P	A
16.	AKASH . SESU . RATHOD	P	P	P	P	P	A	P
17.	GURURAJ . SHIVAGOND . HALLAD	A	P	P	P	A	P	A
18.	KOMAL . LAXMAN . LONARI	P	P	P	A	P	P	A
19.	ANNARAYA . PATIL	P	P	A	P	P	A	P
20.	SUDHARANI . KALLOLI	A	P	P	P	P	P	P
21.	SRUSHTI . YALAGUDRI	P	P	P	P	P	P	A
22.	BHAGYASHREE . HATTALLI	P	P	P	P	A	P	A
23.	AMIT . SANJAY . KORI	A	P	P	A	P	A	P
24.	POOJA . BAGALAKOT	P	P	P	P	P	P	A
25.	TEJASWINI . BISWAL	P	P	P	P	P	P	P
26.	AKASH . MALEPPA . HADIMANI	P	A	P	P	P	P	P
27.	ASHOK . RAYAGOND . AJANAL	P	P	P	P	P	P	P
28.	CHAITRA . LAMANI	P	P	P	P	P	P	A
29.	TEJASHWINI .BIRADAR		P	P	A	P	P	P
30.	DUNDAPPA . BIRADAR	P	P	P	P	P	P	P
31.	MEGHA . SANADHANI	P	P	P	P	P	P	P
32.	VIDYA . NAGARAL	P	P	P	P	P	P	A
33.	SUNITA . BASAVARAJ . HIROLLI	P	P	P	P	A	P	P
34.	RANI . AASHARATH . TAVASE	P	A	P	P	P	A	A
35.	ABHISHEK . SHEKADAR	P	P	P	P	P	P	P
36.	GIRISH. MANUR	P	P	P	P	P	P	P
37.	KIRAN . SHRISHAIL . TARAPUR	P	A	P	P	P	P	P
38.	ANELKUMAR . MARTUR	P	P	P	P	P	P	P
39.	VINAYAK . KULKARNI	P	P	P	P	P	A	P
40.	JAYASHREE . BHOSAGI	P	A	P	P	P	P	P
41.	PREETI . IRANNA . TELI	P	P	P	P	P	P	P

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 Vijayapur. VIJAYAPUR.



42.	CHAITRA . BALASAHEB . ALOOR	P	P	P	P	P	A	P
43.	SUSHMITA . SURESH . BIRADAR	A	P	P	P	P	A	P
44.	VIJAYALAXMI . ABASAB . JADHAV	P	P	P	P	A	P	A
45.	SHANMUKHA .. KIRASUR	A	P	A	P	P	P	A
46.	MAMATA . TRILOCHAN . SUIRUR	P	A	P	A	P	P	P
47.	BINDU . MARUTI . BAJANTRI	P	P	P	P	A	P	P
48.	RINKU . MAHENDRA . PATEL	P	P	P	P	P	P	P
49.	LAXMIBAI . PARASAPPA . PATIL	P	P	P	P	A	P	P
50.	BHAGYASHREE . KOLAKAR	P	P	P	P	P	P	P
51.	PAVITRA . RUDRAPPA . DALAWAI	P	P	P	P	P	P	A
52.	PREMA . VITHOBA . YARANAL	P	P	P	P	A	P	P
53.	PAVITRA . KALLAYYA . .	A	P	P	P	P	P	P
54.	PRIYANKA . SUBHASH . SAVANI	P	A	P	P	P	P	P
55.	PRIYANKA . RAJU . CHAVAN	P	P	P	P	P	P	P
56.	LAXMI .. TAKKALAKI	P	P	P	A	P	A	P
57.	SHASHIKUMAR . HARANAL	P	P	P	P	P	P	P
58.	RAGHAVENI . VANAJAKAR	P	A	P	P	P	P	P
59.	LAVANYA .. GODEKAR	P	P	P	P	P	P	P
60.	MALLANAGOWDA .. PATILA	P	P	P	P	P	A	P
61.	SANGANNA . KARANDE	P	A	P	P	P	P	P
62.	BHUVANESHWARI . CHOUDARI	P	P	P	A	P	P	P
63.	CHANNAVEER . BADIGER	P	P	P	P	P	P	P
64.	SIDDARTH . SADASHIV . PATIL	P	P	A	P	P	P	P
65.	AVINASH .. PATIL	A	P	P	P	P	P	A
66.	PRAGATI . KALLAPPA . NANDUR	P	A	P	P	P	P	P
67.	RESHMA . LALU . PAWAR	P	P	P	P	P	P	P
68.	SHRIDHAR . BALAWAT	P	P	P	A	P	P	P
69.	SAMARTH . ATHARGA	P	P	P	P	P	A	P
70.	SHRISHAIL . DHAVALAGI	P	A	P	A	P	P	P
71.	NISHA . MOTIRAM . RATHOD	P	P	P	P	A	P	P
72.	KAVERI . SHRISHAIL . TILLIHAL	A	P	P	P	P	P	P
73.	SATAPPA . BABU . BIRADAR	P	P	P	A	P	A	P
74.	MALLIKARJUN . BUDIHAL	P	P	P	P	P	P	P
75.	KAJAL . KALLAPPA . HALAKUDE	P	A	P	P	P	P	P
76.	SAFEYABEGUM MUJAWAR	P	P	P	A	P	P	A
77.	RENUKA GORAGORI	A	P	P	P	P	P	P
78.	CHAITRA . SUBHASH . ADAKI	P	P	P	P	P	P	P
79.	SHIVANAND . PUJARI	A	P	A	P	A	P	P
80.	VIDYARAANI LAALASANGI	P	A	P	P	P	P	P
81.	POOJA . BADRU . NAIK	P	P	P	P	A	P	P
82.	SMRITI . VINAY . NAIK	P	P	P	P	P	P	P
83.	ANIL . JAYAVANT . PADATARE	P	P	P	P	P	P	P
84.	AKASHA . LAKSHAMAN . CHAVAN	P	A	P	P	P	P	P
85.	NITIN . BALKRISHAN . JADHAV	A	P	P	P	P	P	P
86.	CHAITRA . SHANKAR . HERAKAL	P	P	P	P	P	P	P
87.	ARCHANA . NANDARAGI	P	P	P	P	P	P	A
88.	BHAGYASHREE . KARENNI	P	P	P	P	P	P	P
89.	SHANKAR . SUNIL . ALMALE	A	P	A	P	A	P	P
90.	AKSHATA . SHIVAJI . LIMAKAR	P	P	P	P	P	A	P
91.	SUNANDA . MAHADEV . BIRADAR	P	P	P	P	P	P	P
92.	SAHEBAGOUDA . DUMMADRI	P	P	P	P	P	P	P
93.	AMOGHASIDDA MELINAMANI	P	P	P	P	P	P	P
94.	AKASH . SHARANAPPA . PURANI	P	P	P	P	P	P	P

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VIJAYAPUR.



95.	ISHWAR . SHANKAR . .	P	P	P	P	P	P	A
96.	VISHAL . NINGAPPA . MAYUR	A	P	A	P	P	P	P
97.	VIJAYKUMAR . IRAPPA . PUJARI	P	P	P	P	P		P
98.	PRAJWAL . GURURAJ . IJERI	P	P	A	P	P	P	P
99.	ASMITA . BHIMA . PANGUDWALE	P	P	P	P	P	A	P
100.	SIDDHAMMA . HIROLI	A	P	P	P	P	P	P
101.	KARISHMA . ISAK . MADHABAVI	P	P	P	P	P	P	A
102.	SHREYA . ANAGAWADI	A	P	P	P	P	P	P
103.	NAJMA . KUDALAGI	P	A	P	P	P	P	P
104.	ASHWINI . GANAPATI . .RATHOD	P	P	P	P	P	P	P
105.	TEJASWINI . R.K.HARIJAN . .	P	A	P	P	P	P	P
106.	R.KRANTI . RAMESH . RATHOD	P	P	P	P	P	P	P
107.	PRIYANKA . TUKARAM . PUJARI	P	A	P	P	A	P	P
108.	ABHISHEK . ISHWAR . PUJARI	P	P	P	P	P	P	P
109.	SHANKARALING AMARODAGI	P	P	P	P	P	P	P
110.	SIDDRAMAYYA . . SATTIGERI	P	P	P	P	P	P	P
111.	DEVI . BIRADAR	P	P	P	P	P	P	P
112.	NIKITA . DASHARATH . KANASE	P	A	P	A	P	P	P
113.	PREETI KUMARI	P	P	P	A	P	A	P
114.	GANESH . ASHOK . REDDI	A	P	A	P	A	P	A
115.	SACHIN . ASHOK . BAGALI	P	P	P	A	P	P	P
116.	RESHMA . DASHRATH . TARSE	P	P	P	P		P	A
117.	VIJAYALAXI . HUNASAGI	A	P	A	P	A	P	P
118.	SACHIN . SURESH . BIRADAR	P	A	P	P	A	P	P
119.	AMRUTA . CHANNAPPA . BILUR	A	P	A	P	P	P	A
120.	KALPANA . . HITNALLI	P	A	P	A	P	A	P
121.	SEEMA . HIREMATH	P	A	P	P	P	P	A
122.	JYOTI . DILEEP . RATHOD	P	A	P	A	P	P	P
123.	MARUTI . DILEEP . RATHOD	P	P	P	P	P	P	P
124.	SHIVANI . RAMESH . KOKATNUR	A	P	P	A	P	P	P
125.	SACHIN . MADASANAL	P	P	P	P	P	P	A
126.	PREMA . VITTHAL . ROLLI	A	P	P	P	P	P	P
127.	BHARGAVI . PARASAPPA . NAVI	P	A	P	P	P	P	P
128.	SWATI . SIDDAPPA . MUTTAGI		P	A	P	P	P	P
129.	AMIT . MOHAN . JADHAV	P	P	P	A	P	A	P
130.	KAVERI . RAJKUMAR . PAWAR	A	P	P	P	P	P	A
131.	AKSHATA . BHUSHETTI	P	A	P	A	P	A	P
132.	RANI . SHANKAR . TIVARI	P	A	P	P	A	P	P
133.	AKSHATA . BHIMAPPA . SANADI		P	A	P	A	P	P
134.	SUDHARANI . PRAKASH . SANADI	P	P	P	A	P	A	P
135.	SHRINIVAS . KOULAGI	A	P	P	P	P	P	P
136.	BASAVARAJ . JATTEPPA . PUJARI	P	A	P	A	P	P	P
137.	NIVEDITA . BOMMANAHALLI	P	A	P	P	P	P	P
138.	AKHILA . SHIDAGOUDA . PATIL	A	P	A	P	P	A	P
139.	JYOTI . BHAIRAPPA . TERADAL	P	A	P	A	P	P	A
140.	POOJA . BASAVARAJ . MUNJANNI	A	P	P	P	P	A	P
141.	SHREELAXMI . KAMASHETTY	P	P	P	A	P	P	A
142.	RAJASHREE . MALLANNA . BOGAR	P	P	P	A	P	P	P
143.	ASHWINI . SANGANNA . CHOUDRI	P	A	P	P	A	P	P
144.	SHAILA . DEVENDRA . PATTAR	A	P	A	P	P	P	P
145.	PARVATI . . BIRADAR	P	P	A	P	P	P	P
146.	PRAVEENKUMAR . KADANUR	P	P	P	P	A	P	P
147.	RAJASHREE . PAWAR HEAD	A	P	P	P	P	P	A

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S.B.Arts & K.C.P. Science College  
VIJAYAPUR.

148	SHWETA . SALADAHALLI	P	P	P	A	P	P	P
149	RAHUL . ANNARAY . BIDARKOTI	P	P	P	P	A	P	P
150	NANDABASAPPA . PUJARI	P	P	P	A	P	P	A
151	BHUVANESHWARI . M	P	P	A	P	A	P	P
152	AMARAMMA . BIRADAR	P	P	P	P	P	P	P
153	POOJA . BABUGOUDA . PATIL	A	P	A	P	A	P	P
154	RAVIKUMAR . HATTI	A	P	P	P	P	A	P
155	ANKITA . POOJARI	P	P	P	P	P	P	A
156	RAJASHEKHAR . SHATAGAR	A	P	P	P	P	P	P
157	SHRAVANAKUMAR .M	P	P	P	P	P	P	P
158	BASAMMA .. MADDARAKI	P	P	P	P	P	P	P
159	AVINASH . BIRADAR	P	P	P	A	P	P	P
160	AISHWARYA . KABADE	P	P	P	P	P	P	P
161	UDAYKUMAR . BIRADAR	A	P	P	P	P	P	P

*Preediji*  
HEAD  
Department of Botany  
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**DEPARTMENT OF BOTANY**

**ATTENDANCE LIST FOR TUTORIALS (2018-2019)**

CLASS : BSC III SEMESTER

FACULTY NAME : Prof. L.L. Malghan  
Ms Gangambika

Sl.No.	Name of the Student	5/8/18	12/8/18	26/8/18	2/9/18	9/9/18	16/9/18	23/9/18
1	MAHALAKSHMI . SIDRAMESHWAPA . .	P	P	P	P	P	P	P
2	MEGHA . MALLIKARJUN . PATTAR	A	A	P	P	P	P	P
3	YADAVI . SATAPPA . KODATE	P	P	P	P	P	P	P
4	RANJANA . SHRISHAIL . TAKKALAKI	P	A	P	P	A	P	P
5	BHUVANESHWARI . VISHWANATH . KALBURGI	P	P	A	P	P	P	P
6	ASHA . ASHOK . KASHETTI	P	P	P	P	P	P	P
7	KAVERI . ARAVINDA . MARAGUR	P	A	P	P	P	P	P
8	NIVEDITA . CHANDRASHEKAR . JOGUR	A	P	P	A	P	P	P
9	PRATIKSHA . VILAS . PATTAR	P	A	P	P	A	P	P
10	PRATHIBHA . GURULINGAPPA . GUNNAPUR	A	P	A	P	P		P
11	LAKSHMI . SHIVAREDDY . HACHAREDDY	P	A	P	P	P	P	P
12	BHARATI . SHIVANAND . MULAWAD	P	P	P	P	P	P	P
13	POORNIMA . SOMASHEKHAR . HALLI	P	P	P	P	P	P	P
14	SHARANU . MALLIKARJUN . MURAGOD	A	P	A	P	P	P	A
15	SHANKARAYYA . SHRISHAIL . HIREMATH	P	A	P	P	A	P	P
16	VITTAL . HANAMANT . DUDAGI	P	P	A	A	P	P	P
17	AISHWARYA . ASHOK . KAVITAL	P	P	P	P	P	P	P
18	DANAMMA . MAHADEV . HANDIGANUR	P	A	P	P	P	P	P
19	SNEHA . SANJAY . KATAKADHAND	A	P	A	P	P	P	P
20	RAJESHWARI . BASAVARAJ . HONAWAD	P	P	P	A	P	P	P
21	SAVITA . HABAPPA . RATHOD	P	P	P	P	P	P	P
22	KRISHNAVATI . HANAMANT . KUNDARAGI	P	P	P	P	P	P	A
23	SWATI . RAJASHEKHER . LENDI	P	A	P	P	P	P	P
24	SHRIDEVI . BABU . TORAVI	P	A	P	P	P	P	P
25	SHRADDHA . ANIL . GAYAKWAD	A	P	P	P	A	P	A
26	SUSHMITA . ASHOK . TAKKALAKI	P	P	A	P	P	P	P
27	POOJASHRI . GANAPATI . METRI	A	P	P	P	P	P	P
28	DEEPA . VITHAL . BAGEWADI	P	P	P	P	P	P	P
29	SOUMYA . SHREEPATIRAO . PATIL	P	P	P	P	P	P	P
30	ANITA . SHRISHAIL . DESAI	P	P	P	P	P	P	P
31	LAXMI . PRAKASH . BADIGER	P	P	P	P	A	P	A
32	SHWETA . BASAVARAJ . GIDAVEER	P	P	A	P	P	P	P

HEAD

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Principal,

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VIJAYAPUR.



33	ARCHANA . SHRIMANT . RATHOD	P	P	P	P	P	A	P
34	SOUMYASHREE . VISHWANATH . KOLARI		P	P	P	P	P	P
35	ASHWINI . APPANAGOUDA . PATIL	P	P	P	P	D	P	P
36	POOJA . SHIVANAND . HIRAGOND	P	P	P	P	P	A	P
37	ASHWINI . RAMAPPA . RATHOD	P	P	A	P	P	P	P
38	ASHWINI . SANGAPPA . HAJERI	A	A	P	P	P	P	P
39	SHOBHA . RAMESH . NIMBARGI	P	P	P	P	D	P	P
40	SAMPREETA . IRAYYA . HIREMATH		P	P	A	P	D	P
41	POOJA . SIDRAMAPPA . HATAGANI	P	P	P	P	P	P	P
42	PRATIKSHA . VASANT . NAYKODI	P	P	A	P	P	P	P
43	DEEPA . SANGANAGOUDA . MAMADAPUR	P	P	P	P	P	P	P
44	SUDHA . SHRINIVAS . TALAWAR	P	D	P	P	D	P	A
45	PREETI . ASHOK . GADYAL	P	P	P	P	P	P	P
46	SHEETAL . SHIVANAND . JATTI	P	P	D	P	A	P	P
47	ASHA . BARAIMAM . SHANAVALI	A	P	P	P	P	P	P
48	ANNAPOORNA . MALAKAPPA . WADDAR	P	P	A	P	P	P	P
49	RAJESHWARI . RAMANAGOUDA . BIRADAR	P	P	P	D	P	P	P
50	POOJA . BAHUSAB . WAGAMORE	P	D	P	P	P	P	P
51	SHREESHAIL . KASHINATH . METRI	P	P	P	P	P	P	P
52	ASHRAF . MAHIBOOB . LONI	P	P	P	P	P	D	A
53	SOMANATH . REVANASIDDA . DONAGI	A	P	A	P	P	P	P
54	SIDDU . VITTHAL . GADDI	A	P	P	A	P	P	P
55	SACHIN . BASAVARAJ . SAJJAN	P	P	A	P	P	A	P
56	PRITI . GANAPATI . RATHOD	P	A	P	P	A	P	P
57	SAHANA . SIDDARAMESHWAR . BILGI	D	P	P	A	P	P	P
58	RADHA . MALLIKARJUN . REDDY	P	A	P	P	P	P	A
59	AISHWARYA . MALLIKARJUN . YARANAL	P	P	P	P	P	A	A
60	GURUDEVI . BABURAY . BADADAL	D	P	P	P	P	P	P
61	KAVYA . RAVINDRA . YELADAGI	P	P	D	A	P	P	P
62	KOMAL . SHANTARAM . GARAD	P	P	P	P	P	P	A
63	SNEHA . RAMESH . HORTI	A	P	P	P	P	P	D
64	REVATI . SURESH . BAGALI	P	P	D	P	P	P	P
65	AYISHA . RAJESAB . MUJAWAR	P	P	P	P	P	P	A
66	POOJA . BHIMARAY . KANAMADI	P	P	P	P	P	P	P
67	ABHILASH . SANGAYYA . CHARANTIMATH	P	P	P	P	A		P
68	SACHIN . MAHADEVA . METRI	P	A	P	A	P	P	P
69	SOMANATH . DATTATREYA . SUNAGAR	D	P	P	P	P	P	P
70	MADAGOND . SHIVANAND . BIRADAR	P	P	A	P	P	P	A
71	VISHWANATH . SIDDARAM . BIRADAR	P	P	P	A	A	P	P
72	SRISHTI . BASAVARAJ . BIRADAR	D	P	A	P	P	P	P
73	SUSHMA . MALLIKARJUN . HERALAGI	P	P	P	D	P	P	A
74	PREMA . SUBHAS . ALLOLI	P	P	P	A	P	P	P
75	SUSHMA . ANNAPPAGOUDA . BIRADAR	P	P	A	P	P	A	P
76	PARVATI . VITTHAL . DALAVAYI	A	A	P	P	A	P	P
77	AMRUTA . SHREEDHAR . GUDDAPUR	P	P	P	A	P	P	P
78	CHANDRIKA . ASHOK . SAJJAN	P	P	P	P	P	P	P

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79	PAVAN . KENCHAPPA . PUJARI	P	P	P	P	A	A	P
80	GIRISH . VITTHAL . BIRADAR	A	P	P	P	P	P	A
81	PREMA . PAVADEPPA . HARIJAN	P	P		P	P		P
82	SHANTAPPA . REVANASIDDAPPA . GUNDAGI	P	P	P	A	A	P	P
83	HANAMANTARAYAGOULD . GURUNATHAGOUDA . BIRADAR	A	P	P	P	P	P	P
84	TEJASHWINI . RAMESH . BASAVAPRABHU	P	P	P	A	P	P	P
85	NEHAA . GURUBASU . CHOUGULE	P		P	P	P	P	P
86	SHAMBHAVI . UMESH . BHUSHETTI	P	P	A	P	P	P	A
87	PRIYA . JAKKANAGOUDA . PATIL	A	P	P	P	A	P	P
88	APOORVA . ANNARAY . HIROLLI	P	P	A	P	P	P	P
89	SUDHA . GURUMURTHI . HIREMATH	A	A	P	P	P	P	P
90	PRIYANK . SIDDAPPA . MAMADAPUR	P	P	A	P	P	A	P
91	SWAPNA . SIDDANNA . BANDARGATI	P	A	P	P	P	P	A
92	AKASH . NAGAYYA . HIREMATH	P	P	A	P	P	P	P
93	SNEHA . SAMPATKUMAR . YADRAMI	P	P	P	A	P	P	P
94	HEMANT . PARASHURAM . RAYABAGI	A	P	P	P	P	P	P
95	SHIVANAND . JAGADEVAPPA . BIRADAR	P	P	P	P	P	P	A
96	RAGHUVVEER . SURESH . KARABHANTNAL	A	P	P	P	P	P	P
97	NINGARAJ . SHREESHAIL . MAHAMANI	P	A	P	P	P	P	A
98	GURURAJA . NARASANAGOUDA . DYAMAN	P	P	P	P	P	P	P
99	AKSHATA . SHIVAKUMAR . BIRADAR	P	P	P	P	P	P	P
100	SHRUTI . APPASAHEB . NANDASHETTI	P	P	P	A	P	P	A
101	AISHWARYA . SHIVANAND . GAIKWAD	P	A	P	P	P	P	P
102	RASHMI . PRANESH . JOSHI	A	P	P	P	P	P	P
103	ASHWINI . SANGANAGOUDA . INGALAGERI	P	P	A	A	P	P	P
104	JYOTI . SHREESHAIL . NAD	P	A	P	P	A	P	P
105	KAMALABAI . SANGAPPA . DIVATAGI	P	P	P	P	P	P	P
106	ASHWINI . KALLAPPA . UPPAR	P	P	P	P	P	P	A
107	SAHANA . SIDDALINGAPPA . DUBALAGUNDI	A	P	P	P	P	P	P
108	NAGESH . SIDDHALING . NINGADALLI	P	P	P	P	A	P	P
109	PRASHANT . SOMANING . KAMBALE	P	P	A	P	P	P	P
110	NAVEEN . DEVENDRAPPA . HOSAMANI	P	P	P	P	P	P	P
111	TIPPANAGOUDA . CHANDRASHEKHAR . HALLI	P	A	P	A	P	P	P
112	APPAJI . VILAS . KAMBLE	P	P	P	P	P	P	P
113	PINTU . TUKARAM . RATHOD	A	P	P	A	P	P	P
114	AKSHAYKUMAR . SIDARAY . TOLUNUR	P	P	P	P	P	P	A
115	BASAVARAJ . KASANAGOUD . PATIL	P	P	P	P	P	P	P
116	BASAVARAJ . PRAKASH . GOBBI	P	P	A	P	P	P	P
117	DASTGIR . NOUSHAD . NADAF	P	P	P	A	A	P	P
118	JATTEPPA . GOLLALAPPA . SHIRAKANALLI	A	P	P	P	P	P	P
119	ROJA . BHIMASHANKAR . PATIL	P	P	P	P	P	P	A
120	ANUSHA . BADARISH . MAHISHI	P	P	P	P	P	P	P
121	SHRIMANT . BEERAPPA . GUGADADDI	P	A	P	P	P	P	P
122	MALLIKARJUN . SADASHIV . MALLAD	A	P	P	A	P	P	P
123	SHRIDHAR . DYMANNA . KUDARI	P	P	P	P	P	P	P
124	BHIMANNA . PARASHURAM . SHAKHAPUR	P	P	P	P	P	P	A
125	ASHPAK . SAIPUNASAB . BHAGWAN	P	P	A	P	P	P	P
126	VIKRAM . AMARESH . RATHOD	P	P	P	P	P	P	P

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127	SACHIN . YALLAPPA . ROOPANOR	P	P	P	P	P	A	P
128	AKASH . YALLAPPA . KATTI	A	P	P	P	P	P	P
129	ABDULAJEEJ . ALLISAB . NADAF	P	P	A	A	P	P	P
130	MALLIKARJUN . KALLAYYA . MATHAPATI	P	P	P	A	A	P	P
131	ARAVIND H . VENKATRAMULU . .	P	P	P	P	P	P	A
132	DATTAPPA . MALAPPA . MARAGOND	A	P	P	P	P	P	P
133	AJAY . SHIVANAND . KADAGOL	P	P	A	P	P	P	P
134	SHILPA . SANGARADDI . NAGARADDI	A	P	P	P	P	P	A
135	ANNAPOORNA . TIPPANNA . TALAVAR	P	P	P	P	P	A	P
136	VAISHNAVI . RAMESH . NILAGAR	P	P	P	A	P	P	P
137	SHUBHANGINI . APPASAHEB . NIKKAM	P	P	P	P	A	P	P
138	ASHWINI . RAVIKUMAR . SAJJAN	P	A	P	P	P	P	P
139	POOJA . DHAREPPA . SINAKHED	A	P	P	P	P	P	P
140	POOJA . RAMESH . BANSODE	P	P	P	A	P		P
141	SHREYA . RAVI . MADABHAVI	P	P	P	P	A	P	P
142	YALLALINGA . ANNAPPA . DHULKHED	P	P	A	P	P	A	P
143	RAMESH . SOMU . RATHOD	P	P	P	P		P	P
144	RATANRAJ . SIDDAGONDA . PATIL	P	P	P	P	P	P	A
145	AISHWARYA . ABHIMANYU . IRASUR	P	P	P	A	P	P	P
146	AKSHATA . MALLAYYA . PATED	P	A	P	P	A	P	P
147	GOURAMMA . AMOGEPPA . TALAGERI	P	P	A	P	P	P	P
148	PRATIK . HUCHCHAPPA . WAGHMORE	P	P	P	A	P	P	P
149	SAHANA . RAMANAGOUDA . .	A	P	P	P	A	P	P

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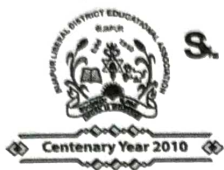
105

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DEPARTMENT OF BOTANY

ATTENDANCE LIST FOR TUTORIALS (2018-2019)

CLASS : BSC V SEMESTER

FACULTY NAME : Dr. P.D Needagi  
Ms Gangambika

Sl.No.	Name of the Student	5/8/18	12/8/18	18/8/18	2/9/18	9/9/18	16/9/18	23/9/18
1	GEETA . SHIVANAGOUDA . BIRADAR	P	P	P	P	P	P	P
2	DEEPTI . VEERAPPA . MASUTI	A	P	P	P	A	P	P
3	POOJA . BASAVARAJ . ANGADI	P	P	A	P	P	P	A
4	DIVYA . DHEVAPPA . BHAI RASHETTI	P	A	A	P	P	P	P
5	BHAGYASHRE . BASANNA . BIRADAR	A	P	P	P	P	P	P
6	KHATUNABI . MOULALI . MULLA	P	P	P	P	A	P	P
7	TEJASHWINI . MAHESH . MANTRI	A	P	P	P	P	P	P
8	MALASHREE . MARUTI . CHAVHAN	P	A	P		P	P	P
9	RENUKA . BASANNA . KOTARAGASTI	A	P	A	P	P	P	P
10	SHWETA . BALASAHEB . KAMGOND	P	P	P	P	P	P	A
11	SUPRIYA . LAXMAN . NIKKAM	P	P	P	P	P	P	P
12	ASHARANI . PARVATAYYA . MATHAPATI	P	P	P	P	P	P	P
13	KANYAKUMARI . ANNAPPA . HUTAGI	P	A	P	P	P	P	P
14	ASHWINI . RAJENDRA . KSHATRI	A	P	P	P	P	P	P
15	AKSHATA . SADANAND . SUGUR	A	P	P	P	P	P	P
16	SUSHMITA . SOMASHEKHAR . BILUR	P	A	P	P	P	P	A
17	MALLAMMA . GIRIYAPPAGOUDA . BIRADAR	P	P	P	P	P	P	P
18	POOJA . SURESH . NAGARI	P	P	P	A	P	P	P
19	GAJANAN . ANNAPPA . CHAKUNDI	P	P	P	P	P	P	P
20	VIKAS . SIDDU . JADHAV	A	P	P	P	P	P	P
21	AVINASH . SANDEEP . PARULEKAR	P	P	P	P	P	P	P
22	PAVANAKUMAR . S . POLICEPATIL	P	P	P	P	P	P	P
23	AAMIR SOHAIL . ABDUL RAZAK . MULLA	A	P	P	P	A	P	P
24	SANDEEP . VALU . RATHOD	P	P	A	P	P	P	P
25	MANOJ . SHIVALINGAPPA . DUDAGI	P	P	P	P	P	P	P
26	ADITYA . BALAKRISHNA . SALUNKE	P	P	P	P	P	P	A
27	SHWETA . VITTHALSING . RAJAPUT	P	P	P	P	P	P	P
28	CHAITRA . NINGAPPA . MAYUR	A	P	P	P	A	P	P
29	KEERTI . MALLAPPA . MUDDEBIHAL	P	P	P	P	P	P	P
30	PRATIMA . BASAVARAJ . HANJI	P	P	P	P	P	P	P
31	VEENAKUMARI . BABANNAGOWDA . BIRADAR	P	P	P	P	P	P	P
32	SHWETA . SHRIMANT . RUGI	P	A	P	P	P	P	A

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33	PRIYA . CHANNABASAPPA . GABASAVALGI	P	P	P	P	A	P	P
34	VARSHA . SANGANNA . TOPI	A	P	P	P	P	P	D
35	SHWETA . PARAPPA . KENGANAL	P	P	P	P	P	P	P
36	KAVITA . BASAPPA . ENAGI	P	P	P	P	P	A	P
37	VIJAYALAXMI . SOMASHEKHAR . PATIL	P	P	P	P	P	P	P
38	SUNIL . SHIVALAL . PAWAR	P	P	P	P	P	P	P
39	ANIL . MANIK . CHAVAN	P	P	A	P	P	P	P
40	SWATI . BASAVARAJ . GANACHARI	A	P	P	P	P	P	P
41	SNEHA . BASAVARAJ . BISNAL	P	P	P	P	P	A	P
42	SOUMYA . MAHANTAYYA . SHEELWANTMATH	P	A	P	P	P	P	A
43	SUJATA . DHANSING . CHAVAN	A	P	P	P	P	P	A
44	PRACHI . SANJAY . PATIL	P	P	P	P	P	A	P
45	AKSHATA . GOLAPPA . PATTANAD	P	P	P	P	A	P	P
46	RAHEESA . MEHABOOB . USTAD	P	P	P	P	P	P	P
47	SHWETA . YALLAPPA . BIJAPUR	P	P	A	A	P	P	P
48	ABHISHEK . ARAVIND . CHOUDHARI	P	P	P	P	P	P	P
49	RAHUL . SHRIMANTAGOUDA . PATIL	P	P	P	P	A	P	P
50	SHANTALA . SIDDAPPA . MADARKHANDI	P	A	P	P	P	P	A
51	LAXMI . KASHINATHA . BADIGER	A	P	P	A	P	P	P
52	SHIVANI . SANGAMESH . NAYAKODI	P	P	A	P	P	P	P
53	TEJASWINI . TUKARAM . CHAVAN	P	P	P	P	P	P	P
54	PRIYA . SHANKAR . TOLE	P	P	P	P	P	A	P
55	SOUMYA . MAHAVEER . BOGAR	P	A	P	P	A	P	A
56	GAYATRI . SANGANNA . KODEKAL	P	P	P	P	P	P	P
57	SHILPA . BASAPPA . DALWAI	A	P	P		P	P	P
58	SHREYA . BALAKRISHNA . SHETTY	P	A	P	P	A	P	P
59	VIDYASHREE . NAGAPPA . GOTYAL	P	P	P	P	P	P	P
60	SHASHIKANT . DHANASING . RATHOD	P	A	P	P	P	P	P
61	SANDEEP . SIDRAM . KUDIGANOR	P	P	P	P	P	P	A
62	PRIYANKA . HANAMANT . MANAGULI	P	A	P	P	P	P	P
63	POOJA . SANGAPPA . PYATIGOUDAR	A	P	P	A	P	P	P
64	POOJA . PRAKASH . DESAI	P	P	A	P	P	P	P
65	VIDYA . VISHWANATH . HIREMATH	P	P	P	P	A	P	P
66	ARCHANA . SHRISHAIL GOUDA . PATIL	P	P	A	P	P	P	P
67	AKSHAY . MONAPPA . BADIGER	P	P	P	P	P	P	P
68	VEERESH . CHIDANANDA . KULAGERI	A	P	P	P	P	P	A
69	HEMAVATI . HANAMANTARAO . KHANDEKAR	P	P	A	P	P	P	P
70	ARCHANA . RAMJI . MISAL	P	P	P	P	P	P	P
71	MALLAPPA . KASHINATH . PATIL	P	P	A	A	P	P	P
72	DEVENDRA . SHIVASHARAN . BIRADAR	P	P	P	P	P	P	A
73	PREETI . VIJAYAKUMAR . PAWAR	P	P	P	P	P	P	P
74	MEGHA . SHRIKANT . KUBSAD	A	P	P	P	P	P	P
75	PRIYA . UDAY . PATIL	P	P	A	P	A	P	P
76	RAHUL . PARAGONDAPPA . BAGALI	P	P	P	P	P	P	P
77	AMRUTA . SHRISHAIL . GIDAVEER	P	P	P	P	P	P	P
78	VIJAYALAXMI . SANGAPPA . NAGARALLI	A	P	P	A	P	P	P

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79	ANITA . NANAGOUDA . CHOUDRI	P	P	P	P	A	P	P
80	SUPRIYA . SHARANAPPA . KERUTAGI	P	A	P	P	P	P	A
81	CHAITRA . RAMESH . NEELAGAR	P	P	A	P	A	P	P
82	MALAVIKA . BASALIGAPPA . BIDARI	A	P	P	P	P	P	A
83	KAVERI . SANGANAGOUDA . CHOUDHARI	P	P	P	A	P	P	P
84	ANJANADEVI . MALLAPPA . KABBIN	P	P	P	P	P	P	P
85	UTTAM . SHEKHAR . KAMBLE	P	A	P	P	P	P	P
86	MALLANAGOUD . BASANAGOUDA . PATIL	A	P	P	P	P	P	A
87	AMBADAS . VENKATRAO . HAMELPURE	P	P	P	P	P	P	P
88	LAKSHMAN . SHREEMANT . CHATTARAKI	P	A	P	A	P	P	P
89	MAHESH . NANAGOUDA . PARASANAHALI	P	P	P	P	P	P	A
90	CHARANTAYYA . SADAYYA . HIREMATH	P	P	P	P	P	P	P
91	SHIVARAJ . BHEEMASHANKAR . BAIRAMADI	A	P	P	A	P	P	P
92	SHASHIKUMAR . SHANKARAGOUDA . BUDANUR	P	A	P	P	P	P	P
93	SANGAMESH . BASAVARAJ . MUDHOL	P	P	P	P	P	P	A
94	SOMANATH . CHIDANAND . BAGALAKOT	P	P	P	A	P	P	P
95	MAHANTESH . BASAVARAJ . KARIKABBI	A	P	P	P	A	P	P
96	VIRESH . RAMESH . TOTAD	P	P	A	P	P	A	P
97	SANTOSH . SHANTAPPA . NAYKODI	P	A	P	A	P	P	P
98	SUNIL . PANDURANG . PAWAR	A	P	P	P	P	A	P
99	SHIVANAGOUD . SIDDANAGOUD . BIRADAR	P	P	P	P	A	P	P
100	AKSHAY . SHRISHAIL . SUTAGUNDI	A	P	P	A	P	P	P
101	ARUNKUMAR . RAYAPPA . HANDIGANUR	P	P	P	P	P	P	P
102	PRANESH . BASAVARAJ . KANNOLLI	P	P	P	P	P	P	A
103	SWAPNA . IRANNA . KAMANAKERI	P	P	P	P	A	P	P
104	ANJANEYA . NARASAYYA . KALAL	A	P	A	P	P	P	P
105	SANTOSH . SADASHIVA . MELINAMANI	P	P	P	P	P	P	P
106	GIRESH . JNANOBARAY . CHOUDHARI	A	P	P	P	P	P	A

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**TAKHTAJAN SYSTEM OF CLASSIFICATION.**

Armen Takhtajan (1910-2009) was one of the most influential botanists and systematists of 20th century. He worked as a paleobotanist in Komarov Botanical Institute of Leningrad, USSR (present day Russia). While working in the institute, Takhtajan in 1942 developed a classification scheme for flowering plants which emphasized phylogenetic relationships between plants.

This first attempt made the arrangement of classification upto the orders of higher plants, based on the structural types of gynoecium and placentation.

After 12 years i.e. in 1954, the actual system of classification was published in 'The Origin of Angiospermous Plants' in Russian language. It was translated in English in 1958. Later on in 1964, he proposed a new system of classification in Russian language. To trace the evolution of angiosperm, he was particularly inspired by Hallier's attempt to develop a synthetic evolutionary classification of flowering plants based on Darwinian philosophy.

The classification was published in 'Flowering Plants: Origin and Dispersal' (1969) in English. Later on, in 1980, a new revision of his system was published in 'Botanical Review'.

**Outline of Classification**

Division	Class	Sub-class	Order
Magnoliophyta (Angiosperms)	Magnoliopsida (Dicotyledons)	Magnolidae	7
		Hamamelidae	8
		Ranunculidae	3
		Caryophyllidae	3
		Dilleniidae	12
		Rosidae	16
		Asteridae	7
	Liliopsida (Monocotyledons)	Alismatidae	3
		Lilidae	3
		Arecidae	5
Commelinidae		6	

Continued

In the class Magnoliopsida,

- Most primitive order: Magnoliales
- Most advanced order: Asterales.

In the class Liliopsida,

- Most primitive order: Alismatales
- Most advanced order: Arales.

Character	Principles of Classification	
	Primitive	Advanced
Growth habit	Woody habit	Herbaceous habit
	Small woody angiosperm	Large trees of tropical rain forests
	Sparingly branched trees	Trees with numerous slender branches
	Evergreen plants	Deciduous woody plants
Leaves	Simple leaves	Compound leaves
	Reticulate venation	Parallel venation
	Alternate leaves	Opposite leaves
Stomata	Mesogenous type	Peigenous type
	With subsidiary cells	Lacking subsidiary cells
Nodal structure	Tri to pentalacunar type	Unilacunar type
Inflorescence	Cymose	Racemose
Floral structure	Indefinite and variable number of floral parts arranged spirally on an elongated axis.	Fixed number of floral parts arranged in cyclic pattern on a short axis
Pollen grains	Exine devoid of external sculpturing	Sculpturing is of various types
	Monocolpate (dicots)	Ticolpate (dicots)

Continued




Gynoecium	Apocarpous	Syncarpous
Ovules	Anatropous ovule	Other types
	Crassinucellate ovules	Tenuinucellate ovules
Pollination	Entomophily	Anemophily
Gametophyte & fertilization	monosporic Polygonum type	Tetrasporic type
Seeds	Abundant endosperm with a minute and undifferentiated embryo	Endosperm is reduced or wanting and the embryo is large and well differentiated
Fruits	Many seeded follicular fruit develop from multicarpellary apocarpous gynoecia.	Coenocarpous fruits


### Merits of Takhtajan's classification


1. The classification of Takhtajan is more phylogenetic than that of earlier systems.
2. This classification is in a general agreement with the major contemporary systems of Cronquist, Dahlgren, Thorne, and others.
3. Nomenclature adopted in this system is in accordance with the ICBN, even at the level of division.
4. The treatment of Magnolidae as a primitive group and the placement of Dicotyledons before Monocotyledons are in agreement with the other contemporary systems.
- 5.

### Demerits

1. In this system, more weightage is given to cladistic information in comparison to phenetic information.
2. This system provides classification only upto the family level, thus it is not suitable for identification and adoption in herbaria.
3. Takhtajan recognised angiosperms as division which actually deserve a class rank like that of the systems of Dahlgren (1983) and Thorne (2003).
4. Numerous monotypic families have been created in 1997 due to the further splitting and increase in number of families to 592 (533 in 1987), resulting into a very narrow circumscription.
5. Takhtajan incorrectly suggested that smaller families are more 'natural'.
6. Although the families Winteraceae and Cancellaceae showed 99 to 100% relationship by multigene analyses, Takhtajan placed these two families in two separate orders.

  
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## Angiosperm Phylogeny Group

The **Angiosperm Phylogeny Group**, or **APG**, is an informal international group of systematic botanists who collaborate to establish a consensus on the taxonomy of flowering plants (angiosperms) that reflects new knowledge about plant relationships discovered through phylogenetic studies.

As of 2016, four incremental versions of a classification system have resulted from this collaboration, published in 1998, 2003, 2009 and 2016. An important motivation for the group was what they considered deficiencies in prior angiosperm classifications since they were not based on monophyletic groups (i.e., groups that include all the descendants of a common ancestor).

APG publications are increasingly influential, with a number of major herbaria changing the arrangement of their collections to match the latest APG system.

### Angiosperm classification and the APG

In the past, classification systems were typically produced by an individual botanist or by a small group. The result was a large number of systems (see List of systems of plant taxonomy). Different systems and their updates were generally favored in different countries. Examples are the Engler system in continental Europe, the Bentham & Hooker system in Britain (particularly influential because it was used by Kew), the Takhtajan system in the former Soviet Union and countries within its sphere of influence and the Cronquist system in the United States.

Before the availability of genetic evidence, the classification of angiosperms (also known as flowering plants, Angiospermae, Anthophyta or Magnoliophyta) was based on their morphology (particularly of their flower) and biochemistry (the kinds of chemical compounds in the plant).

After the 1980s, detailed genetic evidence analysed by phylogenetic methods became available and while confirming or clarifying some relationships in existing classification systems, it radically changed others. This genetic evidence created a rapid increase in knowledge that led to many proposed changes; stability was "rudely shattered". This posed problems for all users of classification systems (including encyclopaedists). The impetus came from a major molecular study published in 1993<sup>1</sup> based on 5000 flowering plants and a photosynthesis gene (rbcL). This produced a number of surprising results in terms of the relationships between groupings of plants, for instance the dicotyledons were not supported as a distinct group. At first there was a reluctance to develop a new system based entirely on a single gene. However, subsequent work continued to support these findings. These research studies involved an unprecedented collaboration between a very large number of scientists. Therefore, rather than naming all the individual contributors a decision was made to adopt the name Angiosperm Phylogeny Group classification, or APG for short. The first publication under this name was in 1998, and attracted considerable media attention. The intention was to provide a widely accepted and more stable point of reference for angiosperm classification.

As of 2016, three revisions have been published, in 2003 (APG II), in 2009 (APG III) and in 2016 (APG IV), each superseding the previous system. Thirteen researchers have been listed as authors to the three papers, and a further 43 as contributors (see Members of the APG below).

A classification presents a view at a particular point in time, based on a particular state of research. Independent researchers, including members of the APG, continue to publish their own views on areas of angiosperm taxonomy. Classifications change, however inconvenient this is to users. However, the APG publications are increasingly regarded as an authoritative point of reference and the following are some examples of the influence of the APG system:

- A significant number of major herbaria, including Kew, are changing the order of their collections in accordance with APG.
- The influential World Checklist of Selected Plant Families (also from Kew) is being updated to the APG III system.

continued



## Principles of the APG system.

The principles of the APG's approach to classification were set out in the first paper of 1998, and have remained unchanged in subsequent revisions. Briefly, these are:

- The Linnean system of orders and families should be retained. "The family is central in flowering plant systematics." An ordinal classification of families is proposed as a "reference tool of broad utility". Orders are considered to be of particular value in teaching and in studying family relationships.
- Groups should be monophyletic (i.e. consist of *all* descendants of a common ancestor). The main reason why existing systems are rejected is because they do not have this property, they are not phylogenetic.
- A broad approach is taken to defining the limits of groups such as orders and families. Thus of orders, it is said that a limited number of larger orders will be more useful. Families containing only a single genus and orders containing only a single family are avoided where this is possible without violating the over-riding requirement for monophyly.
- Above or parallel to the level of orders and families, the term clades is used more freely. (Some clades have later been given formal names in a paper associated with the 2009 revision of the APG system.) The authors say that it is "not possible, nor is it desirable" to name all clades in a phylogenetic tree; however, systematists need to agree on names for some clades, particularly orders and families, to facilitate communication and discussion.

## APG I (1998)

The initial 1998 paper by the APG made angiosperms the first large group of organisms to be systematically reclassified primarily on the basis of genetic characteristics. The paper explained the authors' view that there is a need for a classification system for angiosperms at the level of families, orders and above, but that existing classifications were "outdated". The main reason why existing systems were rejected was because they were not phylogenetic, i.e. not based on strictly monophyletic groups (groups which consist of *all* descendants of a common ancestor). An ordinal classification of flowering plant families was proposed as a "reference tool of broad utility". The broad approach adopted to defining the limits of orders resulted in the recognition of 40 orders, compared to, for example, 232 in Takhtajan's 1997 classification.

In 1998 only a handful of families had been adequately studied, but the primary aim was to obtain a consensus on the naming of higher orders. Such a consensus proved relatively easy to achieve but the resultant tree was highly unresolved. That is, while the relationship of orders was established, their composition was not.

Other features of the proposed classification included:

- Formal, scientific names are not used above the level of order, named clades being used instead. Thus eudicots and monocots are not given a formal rank on the grounds that "it is not yet clear at which level they should be recognized".
- A substantial number of taxa whose classification had traditionally been uncertain are given places, although there still remain 25 families of "uncertain position".
- Alternative classifications are provided for some groups, in which a number of families can either be regarded as separate or can be merged into a single larger family. For example, the Fumariaceae can either be treated as a separate family or as part of Papaveraceae.

A major outcome of the classification was the disappearance of the traditional division of the flowering plants into two groups, monocots and dicots. The monocots were recognized as a clade, but the dicots were not, with a number of former dicots being placed in separate groups basal to both monocots and the remaining dicots, the

continued

## APG II (2003)

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As the overall relationship between groups of flowering plants became clearer, the focus shifted to the family level, in particular those families generally accepted as problematic. Again, consensus was achieved relatively easily resulting in an updated classification at the family level. The second paper published by the APG in 2003 presented an update to the original classification of 1998. The authors stated that changes were proposed only when there was "substantial new evidence" which supported them.

The classification continued the tradition of seeking broad circumscriptions of taxa, for example trying to place small families containing only one genus in a larger group. The authors stated that they have generally accepted the views of specialists, although noting that specialists "nearly always favour splitting of groups" regarded as too varied in their morphology.

APG II continued and indeed extends the use of alternative 'bracketed' taxa allowing the choice of either a large family or a number of smaller ones. For example, the large family Asparagaceae includes 7 'bracketed' families which can either be considered as part of the Asparagaceae or as separate families. Some of the main changes in APG II were:

- New orders are proposed, particularly to accommodate the 'basal clades' left as families in the first system.
- Many of the previously unplaced families are now located within the system.
- Several major families are re-structured.

In 2007, a paper was published giving a linear ordering of the families in APG II, suitable for ordering herbarium specimens, for example.

## APG III (2009)

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The third paper from the APG updates the system described in the 2003 paper. The broad outline of the system remains unchanged, but the number of previously unplaced families and genera is significantly reduced. This requires the recognition of both new orders and new families compared to the previous classification. The number of orders goes up from 45 to 59; only 10 families are not placed in an order and only two of these (Apodanthaceae and Cynomoriaceae) are left entirely outside the classification. The authors say that they have tried to leave long-recognized families unchanged, while merging families with few genera. They "hope the classification [...] will not need much further change."

A major change is that the paper discontinues the use of 'bracketed' families in favour of larger, more inclusive families. As a result, the APG III system contains only 415 families, rather than the 457 of APG II. For example, the agave family (Agavaceae) and the hyacinth family (Hyacinthaceae) are no longer regarded as distinct from the broader asparagus family (Asparagaceae). The authors say that alternative circumscriptions, as in APG I and II, are likely to cause confusion and that major herbaria which are re-arranging their collections in accordance with the APG approach have all agreed to use the more inclusive families.<sup>[6][11][12]</sup> This approach is being increasingly used in collections in herbaria and botanic gardens.

In the same volume of the journal, two related papers were published. One gives a linear ordering of the families in APG III; as with the linear ordering published for APG II, this is intended for ordering herbarium specimens, for example.<sup>[17]</sup> The other paper gives, for the first time, a classification of the families in APG III which uses formal taxonomic ranks; previously only informal clade names were used above the ordinal level

Continued



APG IV (2016)

In the development of a fourth version there was some controversy over the methodology, and the development of a consensus proved more difficult than in previous iterations. In particular Peter Stevens questioned the validity of discussions regarding family delimitation in the absence of changes of phylogenetic relationships.

Further progress was made by the use of large banks of genes, including those of plastid, mitochondrial and nuclear ribosomal origin, such as that of Douglas Soltis and colleagues (2011). The fourth version was finally published in 2016. It arose from an international conference hosted at the Royal Botanical Gardens in September 2015 and also an online survey of botanists and other users. The broad outline of the system remains unchanged but several new orders are included (Boraginales, Dilleniales, Icacinales, Metteniusales and Vahliales), some new families are recognised (Kewaceae, Macarthuriaceae, Maundiaceae, Mazaceae, Microteaceae, Nyssaceae, Peraceae, Petenaaceae and Petiveriaceae) and some previously recognised families are lumped (Aristolochiaceae now includes Lactoridaceae and Hydnoraceae; Restionaceae now re-includes Anarthriaceae and Centrolepidaceae; and Buxaceae now includes Haptanthaceae). Due to nomenclatural issues, the family name Asphodelaceae is used instead of Xanthorrhoeaceae, and Francoaceae is used instead of Melianthaceae (and now also includes Vivianiaceae). This brings the total number of orders and families recognized in the APG system to 64 and 416, respectively. Two additional informal major clades, superrosids and superasterids, that each comprise the additional orders that are included in the larger clades dominated by the rosids and asterids are also included. APG IV also uses the linear approach (LAPG) as advocated by Haston In a supplemental file Byng et al. provide an alphabetical list of families by orders.



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B.L.D.E Association's  
**S.B. Arts and K.C.P. Science College, Vijayapur,**  
**Department of Botany**

**REPORT**

Dr. P. D Needagi ,Prof.L.LMalghan and Ms Gangambika Biradar , faculty of Botany department conducted the tutorials for the BSc I,III and V semester students in the academic year 2018-19. The student attended the classes as per the prior set timetable.

These tutorials posed to enhance the additional knowledge to the existing curricular study .they became more study Oriented, The students here studied about the importance of bryophytes and pteridophytes.

  
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B.L.D.E Association's

S.B. Arts and K.C.P. Science College, Vijayapur,


Department of BOTANY

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NOTICE

Date :17/01/2019

It is here by informed that the Tutorial classes will be held to the BSc II,IV and VI semester students from 20/01/2019. The timetable will be displayed on the notice board . All the students must attend the classes .

  
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# TIME-TABLE FOR TUTORIALS

2018-2019

TIME	SUNDAY		
11:30- 12:30 PM	BSc II semester	BSc IV semester	BSc VI semester
1:00-2:00 PM	BSc II semester	BSc IV semester	BSc VI semester

  
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**RE - ACCREDITED AT THE 'A' LEVEL, IN 3<sup>rd</sup> CYCLE**  
 Phone: (08352) - 261766, (08352) 262770 Extn. 2223, 2224  
 Fax: 08352 - 261766 E-mail: bldeasbkcp@gmail.com



**DEPARTMENT OF BOTANY**  
**ATTENDANCE LIST FOR TUTORIALS (2018-2019)**

CLASS : BSC IV SEMESTER

FACULTY NAME : pro. L.L. Malgankar  
 Ms Gangeabika

Sl.No.	Name of the Student	20/1/19	3/2/19	10/2/19	24/2/19	3/3/19	10/3/19	17/3/19
1	MAHALAKSHMI . SIDRAMESHWAPA . .	P	P	P	P	P	P	P
2	MEGHA . MALLIKARJUN . PATTAR	A	A	P	P	P	P	P
3	YADAVI . SATAPPA . KODATE	P	P	P	P	P	P	P
4	RANJANA . SHRISHAIL . TAKKALAKI	P	P	P	P	P	P	A
5	BHUVANESHWARI . VISHWANATH . KALBURGI	P	P	P	P	P	P	P
6	ASHA . ASHOK . KASHETTI	P	P	P	P	P	A	P
7	KAVERI . ARAVINDA . MARAGUR	P	P	P	P	P	P	P
8	NIVEDITA . CHANDRASHEKAR . JOGUR	P	P	P	A	P	A	P
9	PRATIKSHA . VILAS . PATTAR	A	P	P	P	P	P	A
10	PRATHIBHA . GURULINGAPPA . GUNNAPUR	P	P	P	P	P		P
11	LAKSHMI . SHIVAREDDY . HACHAREDDY	A	P	P	P	A	P	P
12	BHARATI . SHIVANAND . MULAWAD	P	A	P	P	P	P	A
13	POORNIMA . SOMASHEKHAR . HALLI	P	P	P	P	P	A	P
14	SHARANU . MALLIKARJUN . MURAGOD	A	A	P	P	P	P	P
15	SHANKARAYYA . SHRISHAIL . HIREMATH	P	P	P	P	P	P	P
16	VITTAL . HANAMANT . DUDAGI	P	P	P	P	A	A	A
17	AISHWARYA . ASHOK . KAVITAL	P	P	P	P	P	P	P
18	DANAMMA . MAHADEV . HANDIGANUR	P	P	P	P	P	A	P
19	SNEHA . SANJAY . KATAKADHAND	P	P	P	P	P	P	P
20	RAJESHWARI . BASAVARAJ . HONAWAD	P	P	P	P	P	P	P
21	SAVITA . HABAPPA . RATHOD	P	P	P	A	P	A	P
22	KRISHNAVATI . HANAMANT . KUNDARAGI	P	P	P	P	P	P	P
23	SWATI . RAJASHEKHER . LENDI	P	P	P	P	P	A	P
24	SHRIDEVI . BABU . TORAVI	P	P	P	P	P	P	P
25	SHRADDHA . ANIL . GAYAKWAD	P	P	A	P	A	A	A
26	SUSHMITA . ASHOK . TAKKALAKI	P	A	P	P	P	P	P
27	POOJASHRI . GANAPATI . METRI	P	P	A	P	P	P	A
28	DEEPA . VITHAL . BAGEWADI	P	P	P	P	P	A	P
29	SOUMYA . SHREEPATIRAO . PATIL	P	P	P	P	P	P	A
30	ANITA . SHRISHAIL . DESAI	P	P	P	P	P	P	P
31	LAXMI . PRAKASH . BADIGER	P	P	P	P	P	P	P
32	SHWETA . BASAVARAJ . GIDAVEER	P	P	A	P	P	A	P

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33	ARCHANA . SHRIMANT . RATHOD	P	P	P	P	P	P	P
34	SOUMYASHREE . VISHWANATH . KOLARI	P	P	P	P	A	P	P
35	ASHWINI . APPANAGOUDA . PATIL	P	A	P	P	P	P	A
36	POOJA . SHIVANAND . HIRAGOND	P	P	P	P	P	P	P
37	ASHWINI . RAMAPPA . RATHOD	A	A		P	P	P	A
38	ASHWINI . SANGAPPA . HAJERI	P	P	P	P	A	P	P
39	SHOBHA . RAMESH . NIMBARGI	P	P	P	P	P	P	A
40	SAMPREETA . IRAYYA . HIREMATH	P	P	P	P	P	P	P
41	POOJA . SIDRAMAPPA . HATAGANI	P	P	P	A	P	P	A
42	PRATIKSHA . VASANT . NAYKODI	A	P	P	P	A	P	P
43	DEEPA . SANGANAGOUDA . MAMADAPUR	P	P	P	A	P	P	A
44	SUDHA . SHRINIVAS . TALAWAR	A	P	P	P	P	A	P
45	PREETI . ASHOK . GADYAL	P	P	P	P	P	P	A
46	SHEETAL . SHIVANAND . JATTI	P	P	P	P	P	A	P
47	ASHA . BARAIMAM . SHANAVALI	P	P	A	A	P	P	P
48	ANNAPOORNA . MALAKAPPA . WADDAR	P	P	P	P	P	P	P
49	RAJESHWARI . RAMANAGOUDA . BIRADAR	P	P	P	P	P	P	A
50	POOJA . BAHUSAB . WAGAMORE	P	P	P	P	P	P	A
51	SHREESHAIL . KASHINATH . METRI	A	P	P	P	P	P	P
52	ASHRAF . MAHIBOOB . LONI	P	P	A	A	A	A	A
53	SOMANATH . REVANASIDDA . DONAGI	A	P	P	P	P	P	P
54	SIDDU . VITTHAL . GADDI	P	A	P	P	P	A	A
55	SACHIN . BASAVARAJ . SAJJAN	A	P	A	A	A	A	P
56	PRITI . GANAPATI . RATHOD	P	A	P	P	P	P	A
57	SAHANA . SIDDARAMESHWAR . BILGI	P	P	P	A	P	A	P
58	RADHA . MALLIKARJUN . REDDY	P	P	A	P	A	A	P
59	AISHWARYA . MALLIKARJUN . YARANAL	P	P	P	A	P	A	P
60	GURUDEVI . BABURAY . BADADAL	P	P	A	P	P	P	A
61	KAVYA . RAVINDRA . YELADAGI	P	P	P	A	P	P	A
62	KOMAL . SHANTARAM . GARAD	P	P	P	P	P	P	A
63	SNEHA . RAMESH . HORTI	A	P	P	P	A	P	P
64	REVATI . SURESH . BAGALI	P	P	P	P	A	P	P
65	AYISHA . RAJESAB . MUJAWAR	P	P	P	P	A	P	P
66	POOJA . BHIMARAY . KANAMADI	P	P	P	P	P	A	P
67	ABHILASH . SANGAYYA . CHARANTIMATH	A	P	A	P	P	A	P
68	SACHIN . MAHADEVA . METRI	P	P	P	P	A	P	P
69	SOMANATH . DATTATREYA . SUNAGAR	A	P	A	A	P	P	P
70	MADAGOND . SHIVANAND . BIRADAR	P	P	P	P	P	P	A
71	VISHWANATH . SIDDARAM . BIRADAR	A	A	A	A	A	A	P
72	SRISHTI . BASAVARAJ . BIRADAR	P	P	P	P	P	A	P
73	SUSHMA . MALLIKARJUN . HERALAGI	P	P	P	A	P	P	A
74	PREMA . SUBHAS . ALLOLLI	P	A	P	P	P	P	P
75	SUSHMA . ANNAPPAGOUDA . BIRADAR	P	P	P	P	P	P	A
76	PARVATI . VITTHAL . DALAVAYI	P	A	P	P	P	A	P
77	AMRUTA . SHREEDHAR . GUDDAPUR	A	P	P	A	A	P	A
78	CHANDRIKA . ASHOK . SAJJAN	P	A	P	P	P	A	A

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79	PAVAN . KENCHAPPA . PUJARI	P	P	P	P	P	P	P	P
80	GIRISH . VITTHAL . BIRADAR	A	P	P	P	P	P	P	P
81	PREMA . PAVADEPPA . HARIJAN	P	P	P	P	P	P	P	P
82	SHANTAPPA . REVANASIDDAPPA . GUNDAGI	P	P	P	P	P	P	P	A
83	HANAMANTARAYAGOUD . GURUNATHAGOUDA . BIRADAR	P	P	P	P	P	P	P	P
84	TEJASHWINI . RAMESH . BASAVAPRABHU	P	A	P	A	P	A	P	P
85	NEHAA . GURUBASU . CHOUGULE	A	P	A	P	A	P	A	P
86	SHAMBHAVI . UMESH . BHUSHETTI	P	A	P	P	P	P	P	P
87	PRIYA . JAKKANAGOUDA . PATIL	A	P	A	P	A	P	P	P
88	APOORVA . ANNARAY . HIROLLI	A	A	P	A	P	P	P	P
89	SUDHA . GURUMURTHI . HIREMATH	P	P	P	A	P	P	P	P
90	PRIYANK . SIDDAPPA . MAMADAPUR	P	P	P	A	P	P	P	P
91	SWAPNA . SIDDANNA . BANDARGATI	A	A	P	A	P	P	P	P
92	AKASH . NAGAYYA . HIREMATH	P	P	P	P	P	P	P	A
93	SNEHA . SAMPATKUMAR . YADRAMI	A	A	P	A	P	A	P	A
94	HEMANT . PARASHURAM . RAYABAGI	P	A	P	P	A	P	P	P
95	SHIVANAND . JAGADEVAPPA . BIRADAR	P	P	P	A	P	A	P	A
96	RAGHUVVEER . SURESH . KARABHANTNAL	P	P	P	P	P	P	P	P
97	NINGARAJ . SHREESHAIL . MAHAMANI	P	A	P	P	P	P	P	P
98	GURURAJA . NARASANAGOUDA . DYAMAN	A	P	P	P	P	P	A	P
99	AKSHATA . SHIVAKUMAR . BIRADAR	P	P	P	P	P	P	P	A
100	SHRUTI . APPASAHEB . NANDASHETTI	P	P	P	P	P	P	P	A
101	AISHWARYA . SHIVANAND . GAIKWAD	P	A	P	P	A	P	P	A
102	RASHMI . PRANESH . JOSHI	A	P	P	P	P	P	P	P
103	ASHWINI . SANGANAGOUDA . INGALAGERI	P	P	P	P	P	P	P	A
104	JYOTI . SHREESHAIL . NAD	P	P	P	P	P	A	P	P
105	KAMALABAI . SANGAPPA . DIVATAGI	P	P	P	P	A	P	P	A
106	ASHWINI . KALLAPPA . UPPAR	P	P	P	A	P	A	P	A
107	SAHANA . SIDDALINGAPPA . DUBALAGUNDI	A	P	P	P	A	P	P	P
108	NAGESH . SIDDHALING . NINGADALLI	P	A	P	P	P	P	P	P
109	PRASHANT . SOMANING . KAMBALE	A	P	P	A	P	A	P	P
110	NAVEEN . DEVENDRAPPA . HOSAMANI	P	P	P	P	A	P	P	P
111	TIPPANAGOUDA . CHANDRASHEKHAR . HALLI	P	A	P	P	A	P	P	P
112	APPAJI . VILAS . KAMBLE	P	P	P	P	P	P	P	P
113	PINTU . TUKARAM . RATHOD	A	P	P	P	A	P	P	P
114	AKSHAYKUMAR . SIDARAY . TOLONUR	A	A	P	A	P	A	P	P
115	BASAVARAJ . KASANAGOUD . PATIL	P	P	P	P	A	A	P	A
116	BASAVARAJ . PRAKASH . GOBBI	A	A	P	A	P	P	P	P
117	DASTGIR . NOUSHAD . NADAF	P	P	P	P	A	A	P	A
118	JATTEPPA . GOLLALAPPA . SHIRAKANALLI	A	P	P	P	P	P	P	P
119	ROJA . BHIMASHANKAR . PATIL	P	P	P	P	P	P	P	P
120	ANUSHA . BADARISH . MAHISHI	A	P	P	P	P	P	P	A
121	SHRIMANT . BEERAPPA . GUGADADDI	P	P	A	P	A	P	P	P
122	MALLIKARJUN . SADASHIV . MALLAD	P	A	P	P	P	P	P	A
123	SHRIDHAR . DYMANNA . KUDARI	P	A	P	A	P	A	P	P
124	BHIMANNA . PARASHURAM . SHAKHAPUR	A	P	P	P	P	P	P	A
125	ASHPAK . SAIPUNASAB . BHAGWAN	P	A	P	A	P	A	P	P
126	VIKRAM . AMARESH . RATHOD	A	A	P	P	P	A	P	A

HEAD

Department of Botany  
SB Arts & KCP Science College  
VIJAYAPUR-586103.

IQAC, Co-ordinator  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

Principal,  
S.B.Arts & K.C.P. Science College,  
VIJAYAPUR.

127	SACHIN . YALLAPPA . ROOPANOR	P	P	P	P	P	P	P	P
128	AKASH . YALLAPPA . KATTI	P	P	P	P	P	P	P	P
129	ABDULAJEEJ . ALLISAB . NADAF	P	P	P	P	P	A	A	A
130	MALLIKARJUN . KALLAYYA . MATHAPATI	P	P	P	P	P	P	P	P
131	ARAVIND H . VENKATRAMULU . .	A	P	A	P	P	A	P	A
132	DATTAPPA . MALAPPA . MARAGOND	P	P	P	P	P	A	P	P
133	AJAY . SHIVANAND . KADAGOL	A	P	P	P	P	P	A	A
134	SHILPA . SANGARADDI . NAGARADDI	P	P	P	P	P	P	A	A
135	ANNAPOORNA . TIPPANNA . TALAVAR	A	P	P	A	P	P	P	P
136	VAISHNAVI . RAMESH . NILAGAR	P	A	P	P	P	P	P	P
137	SHUBHANGINI . APPASAHEB . NIKKAM	P	P	P	P	P	P	P	A
138	ASHWINI . RAVIKUMAR . SAJJAN	P	P	P	P	P	P	P	P
139	POOJA . DHAREPPA . SINAKHED	P	P	P	P	P	P	A	A
140	POOJA . RAMESH . BANSODE	A	P	P	P	P	P	P	P
141	SHREYA . RAVI . MADABHAVI	P	P	P	P	P	P	P	A
142	YALLALINGA . ANNAPPA . DHULKHED	A	P	P	P	P	P	P	P
143	RAMESH . SOMU . RATHOD	P	A	P	P	P	P	P	P
144	RATANRAJ . SIDDAGONDA . PATIL	P	P	P	P	A	A	A	P
145	AISHWARYA . ABHIMANYU . IRASUR	P	P	P	P	A	P	P	A
146	AKSHATA . MALLAYYA . PATED	A	P	P	P	P	P	P	P
147	GOURAMMA . AMOGEPPA . TALAGERI	P	A	P	P	A	P	P	A
148	PRATIK . HUCHCHAPPA . WAGHMORE	A	P	A	P	P	P	P	P
149	SAHANA . RAMANAGOUDA . .	P	P	P	P	P	P	P	P

*Head*  
**HEAD**  
 Department of Botany  
 SB Arts & KCP Science College  
 VIJAYAPUR-586103.

*Principal*  
**Principal,**  
 S.B.Arts & K.C.P. Science College,  
 VIJAYAPUR.

*IQAC*  
**IQAC, Co-ordinator**  
 S.B.Arts & K.C.P.Science College,  
 Vijayapur.





Centenary Year 2010

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**RE - ACCREDITED AT THE 'A' LEVEL, IN 3<sup>rd</sup> CYCLE**

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Fax: 08352 - 261766 E-mail: bldeasbkcp@gmail.com



**DEPARTMENT OF BOTANY**

**ATTENDANCE LIST FOR TUTORIALS (2018-2019)**

CLASS : BSCVI SEMESTER

FACULTY NAME : MS Gangambika  
 Dr. P. D. Needagi

Sl.No.	Name of the Student	20/1/19	3/2/19	10/2/19	24/2/19	3/3/19	10/3/19	17/3/19
1	GEETA . SHIVANAGOUDA . BIRADAR	P	P	P	P	P	P	P
2	DEEPTI . VEERAPPA . MASUTI	P	P	P	P	P	P	P
3	POOJA . BASAVARAJ . ANGADI	P	P	P	P	P	P	P
4	DIVYA . DHEVAPPA . BHAI RASHETTI	P	P	P	P	P	P	P
5	BHAGYASHRE . BASANNA . BIRADAR	P	P	P	P	P	P	P
6	KHATUNABI . MOULALI . MULLA	P	P	P	P	P	P	P
7	TEJASHWINI . MAHESH . MANTRI	P	P	P	P	P	P	P
8	MALASHREE . MARUTI . CHAVHAN	A	P	A	P	A	A	P
9	RENUKA . BASANNA . KOTARAGASTI	P	A	P	P	P	P	P
10	SHWETA . BALASAHEB . KAMGOND	P	P	A	P	A	A	P
11	SUPRIYA . LAXMAN . NIKKAM	P	P	P	P	P	P	P
12	ASHARANI . PARVATAYYA . MATHAPATI	P	A	P	P	P	P	P
13	KANYAKUMARI . ANNAPPA . HUTAGI	P	P	P	P	P	P	P
14	ASHWINI . RAJENDRA . KSHATRI	P	A	A	P	P	P	P
15	AKSHATA . SADANAND . SUGUR	A	P	P	P	P	P	P
16	SUSHMITA . SOMASHEKHAR . BILUR	P	P	P	P	P	P	P
17	MALLAMMA . GIRIYAPPAGOUDA . BIRADAR	P	P	P	P	P	P	P
18	POOJA . SURESH . NAGARI	P	P	P	P	P	P	P
19	GAJANAN . ANNAPPA . CHAKUNDI	A	P	P	P	P	A	A
20	VIKAS . SIDDU . JADHAV	P	P	P	P	P	P	P
21	AVINASH . SANDEEP . PARULEKAR	A	P	P	P	P	A	P
22	PAVANAKUMAR . S . POLICEPATIL	P	P	P	P	P	P	P
23	AAMIR SOHAIL . ABDUL RAZAK . MULLA	A	P	P	P	A	A	P
24	SANDEEP . VALU . RATHOD	P	A	P	P	P	P	P
25	MANOJ . SHIVALINGAPPA . DUDAGI	P	P	P	P	A	P	P
26	ADITYA . BALAKRISHNA . SALUNKE	A	P	P	P	A	P	P
27	SHWETA . VITTHALSING . RAJAPUT	P	P	P	P	A	P	P
28	CHAITRA . NINGAPPA . MAYUR	A	P	P	P	A	P	P
29	KEERTI . MALLAPPA . MUDDEBIHAL	P	P	P	P	P	P	P
30	PRATIMA . BASAVARAJ . HANJI	P	A	P	A	P	P	P
31	VEENAKUMARI . BABANNAGOWDA . BIRADAR	A	P	P	P	A	P	P
32	SHWETA . SHRIMANT . RUGI	P	A	P	P	P	P	P

HEAD

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 S.B.Arts & K.C.P.Science College,  
 Vijayapur.

**Principal,**  
 S.B.Arts & K.C.P. Science College,  
 VIJAYAPUR.



33	PRIYA . CHANNABASAPPA . GABASAVALGI	P	P	P	P	P	P	A
34	VARSHA . SANGANNA . TOPI	P	P	P	P	P	A	A
35	SHWETA . PARAPPA . KENGANAL	P	P	P	A	P	P	P
36	KAVITA . BASAPPA . ENAGI	P	P	P	P	P	P	P
37	VIJAYALAXMI . SOMASHEKHAR . PATIL	P	A	P	A	P	P	A
38	SUNIL . SHIVALAL . PAWAR	P	P	P	P	P	P	P
39	ANIL . MANIK . CHAVAN	P	P	P	A	A	A	A
40	SWATI . BASAVARAJ . GANACHARI	P	P	P	P	P	P	P
41	SNEHA . BASAVARAJ . BISNAL	P	P	P	P	P	P	A
42	SOUMYA . MAHANTAYYA . SHEELWANTMATH	A	P	P	P	P	P	P
43	SUJATA . DHANSING . CHAVAN	P	P	A	P	P	P	A
44	PRACHI . SANJAY . PATIL	P	P	P	A	A	A	P
45	AKSHATA . GOLAPPA . PATTANAD	P	P	P	P	P	P	P
46	RAHEESA . MEHABOOB . USTAD	P	P	P	A	P	P	P
47	SHWETA . YALLAPPA . BIJAPUR	P	P	P	P	P	P	A
48	ABHISHEK . ARAVIND . CHOUDHARI	P	A	P	P	P	A	P
49	RAHUL . SHRIMANTAGOUDA . PATIL	P	P	P	P	P	P	A
50	SHANTALA . SIDDAPPA . MADARKHANDI	P	P	P	P	A	A	P
51	LAXMI . KASHINATHA . BADIGER	P	A	P	P	P	P	A
52	SHIVANI . SANGAMESH . NAYAKODI	P	A	P	A	A	A	P
53	TEJASWINI . TUKARAM . CHAVAN	P	A	P	P	P	P	A
54	PRIYA . SHANKAR . TOLE	P	P	P	A	P	P	P
55	SOUMYA . MAHAVEER . BOGAR	A	A	A	P	P	A	P
56	GAYATRI . SANGANNA . KODEKAL	P	P	P	A	P	P	A
57	SHILPA . BASAPPA . DALWAI	A	A	P	P	P	P	P
58	SHREYA . BALAKRISHNA . SHETTY	P	P	A	P	P	P	A
59	VIDYASHREE . NAGAPPA . GOTYAL	P	P	P	A	P	P	P
60	SHASHIKANT . DHANASING . RATHOD	P	P	P	P	P	P	A
61	SANDEEP . SIDRAM . KUDIGANNOOR	P	P	P	P	P	P	P
62	PRIYANKA . HANAMANT . MANAGULI	P	P	P	P	P	P	A
63	POOJA . SANGAPPA . PYATIGOUDAR	P	P	A	A	A	P	P
64	POOJA . PRAKASH . DESAI	P	P	P	P	P	P	P
65	VIDYA . VISHWANATH . HIREMATH	P	P	P	P	P	P	P
66	ARCHANA . SHRISHAIL GOUDA . PATIL	P	P	P	P	A	P	P
67	AKSHAY . MONAPPA . BADIGER	P	P	P	P	P	P	P
68	VEERESH . CHIDANANDA . KULAGERI	P	P	P	A	A	P	A
69	HEMAVATI . HANAMANTARAO . KHANDEKAR	P	P	P	P	P	P	P
70	ARCHANA . RAMJI . MISAL	A	A	P	P	P	P	P
71	MALLAPPA . KASHINATH . PATIL	P	P	P	P	P	P	P
72	DEVENDRA . SHIVASHARAN . BIRADAR	P	P	P	P	P	P	A
73	PREETI . VIJAYAKUMAR . PAWAR	P	P	P	P	P	P	P
74	MEGHA . SHRIKANT . KUBSAD	P	P	P	P	A	A	P
75	PRIYA . UDAY . PATIL	A	A	P	A	P	P	P
76	RAHUL . PARAGONDAPPA . BAGALI	P	P	P	P	P	P	P
77	AMRUTA . SHRISHAIL . GIDAVEER	P	P	A	P	P	P	P
78	VIJAYALAXMI . SANGAPPA . NAGARALLI	A	P	P	P	P	P	P

Department of Botany  
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Vijayapur.

**Principal,**  
S.B.Arts & K.C.P. Science College,  
VIJAYAPUR.



79	ANITA . NANAGOUDA . CHOUDRI	P	P	P	P	P	P	P
80	SUPRIYA . SHARANAPPA . KERUTAGI	P	P	P	P	P	P	P
81	CHAITRA . RAMESH . NEELAGAR	P	P	A	P	P	A	P
82	MALAVIKA . BASALIGAPPA . BIDARI	P	P	P	P	P	P	P
83	KAVERI . SANGANAGOUDA . CHOUDHARI	P	P	P	A	P	A	P
84	ANJANADEVI . MALLAPPA . KABBIN	P	P	P	P	P	A	P
85	UTTAM . SHEKHAR . KAMBLE	P	P	A	P	A	P	P
86	MALLANAGOUD . BASANAGOUDA . PATIL	P	P	P	P	P	P	P
87	AMBADAS . VENKATRAO . HAMELPURE	P	P	P	P	P	P	P
88	LAKSHMAN . SHREEMANT . CHATTARAKI	P	P	P	P	P	P	P
89	MAHESH . NANAGOUDA . PARASANAHALLI	P	P	P	P	P	P	P
90	CHARANTAYYA . SADAYYA . HIREMATH	P	P	P	A	P	P	P
91	SHIVARAJ . BHEEMASHANKAR . BAIRAMADI	A	A	P	P	P	P	P
92	SHASHIKUMAR . SHANKARAGOUDA . BUDANUR	P	A	A	P	A	P	P
93	SANGAMESH . BASAVARAJ . MUDHOL	P	P	P	P	P	P	P
94	SOMANATH . CHIDANAND . BAGALAKOT	P	P	P	P	P	P	P
95	MAHANTESH . BASAVARAJ . KARIKABBI	A	P	A	P	P	P	P
96	VIRESH . RAMESH . TOTAD	P	P	P	P	A	P	P
97	SANTOSH . SHANTAPPA . NAYKODI	P	A	P	P	P	A	P
98	SUNIL . PANDURANG . PAWAR	P	A	P	P	P	P	P
99	SHIVANAGOUD . SIDDANAGOUD . BIRADAR	A	P	P	P	P	P	P
100	AKSHAY . SHRISHAIL . SUTAGUNDI	P	P	P	P	P	P	P
101	ARUNKUMAR . RAYAPPA . HANDIGANUR	P	P	A	P	P	A	P
102	PRANESH . BASAVARAJ . KANNOLLI	P	A	P	P	P	P	P
103	SWAPNA . IRANNA . KAMANAKERI	P	P	P	A	P	P	P
104	ANJANEYA . NARASAYYA . KALAL	P	A	P	P	P	P	P
105	SANTOSH . SADASHIVA . MELINAMANI	P	A	P	A	P	P	P
106	GIRESH . JNANOBARAY . CHOUDHARI	P	A	P	A	P	P	P

*[Signature]*  
HEAD

Department of Botany  
S.B Arts & KCP Science College  
VIJAYAPUR-586103.

*[Signature]*  
IQAC, Co-ordinator  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

*[Signature]*  
Principal,  
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**DEPARTMENT OF BOTANY  
ATTENDANCE LIST FOR TUTORIALS (2018-19)**

**CLASS: B.SC II SEMESTER**

**FACULTY NAME: Dr. P. D. Needagi and  
Prof. L. L. Nalgund**

SL. NO	NAME OF THE STUDENT	20/1/19	3/2/19	10/2/19	24/2/19	2/3/19	10/3/19	17/3/19
1.	SHUBHAM.KAMBLE	P	A	P	P	A	P	P
2.	SOUMYA . JIVAPPA . UMARANI	A	P	P	P	P	P	A
3.	MUTTAPPA . JAMAKHANDI	P	P	P	A	P	A	P
4.	LAXMI . SUNIL . MUTAGOND	P	A	P	P	P	P	A
5.	RUDRAMMA .. GHOOLO	P	A	P	P	A	P	P
6.	BHAVANI . BAGEWADI	A	P	P	P	P	P	A
7.	KAVYA . DESHPANDE	P	P	P	P	P	P	P
8.	MAHALAXMI . MUCHCHANDI	P	P	P	P	P	P	P
9.	PURNIMA . JAMBAGI	P	P	A	P	A	P	A
10.	SNEHA . MUCHCHANDI	A	P	P	P	P	A	P
11.	ASHARANI . BAPURAY . MOLE	P	A	P	P	P	P	A
12.	KAVERI.THAKKANAVAR	P	A	P	P	P	A	P
13.	BHAVANAKNVAR .. RAJPUT	A	P	P	P	P	P	A
14.	AISHWARYA .. MADIVALAR	P	A	P	P	A	P	P
15.	VEENA . DUNDAPPA . SANGALAD	A	P	P	P	P	P	A
16.	AKASH . SESU . RATHOD	P	A	P	P	P	P	P
17.	GURURAJ . SHIVAGOND . HALLAD	P	P	A	P	P	P	A
18.	KOMAL . LAXMAN . LONARI	A	P	A	P	A	P	P
19.	ANNARAYA . PATIL	P	A	P	P	P	P	A
20.	SUDHARANI . KALLOLLI	P	P	P	A	P	A	P
21.	SRUSHTI . YALAGUDRI	P	P	P	P	P	P	A
22.	BHAGYASHREE . HATTALLI	A	P	A	P	A	P	P
23.	AMIT . SANJAY . KORI	A	A	P	P	P	P	P
24.	POOJA . BAGALAKOT	P	A	P	A	P	A	P
25.	TEJASWINI . BISWAL	A	P	P	P	P	P	A
26.	AKASH . MALEPPA . HADIMANI	P	A	P	P	P	P	P
27.	ASHOK . RAYAGOND . AJANAL	P	A	P	P	P	P	P
28.	CHAITRA . LAMANI	A	P	P	P	P	P	A
29.	TEJASHWINI .BIRADAR	P	P	P	P	P	A	P
30.	DUNDAPPA . BIRADAR	A	P	P	P	P	P	P
31.	MEGHA . SANADHANI	P	A	P	A	P	A	P
32.	VIDYA . NAGARAL	P	A	P	P	P	P	A
33.	SUNITA . BASAVARAJ . HIROLLI	P	A	P	P	P	P	P
34.	RANI . AASHARATH . TAVASE	A	P	P	P	P	P	A
35.	ABHISHEK . SHEKADAR	P	A	P	A	P	A	P
36.	GIRISH. MANUR	P	A	P	P	P	P	A
37.	KIRAN . SHRISHAIL . TARAPUR	P	P	A	P	P	A	P
38.	ANELKUMAR . MARTUR	A	P	P	P	P	P	A
39.	VINAYAK . KULKARNI	P	P	P	A	P	A	P
40.	JAYASHREE . BHOSAGI	A	P	A	P	A	A	A
41.	PREETI . RANNA . TELI	A	P	P	P	P	P	P

Department of Botany  
SB Arts & KCP Science College  
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**IQAC, Co-ordinator**  
S.B.Arts & K.C.P.Science College,  
Vijayapur.

S.B.Arts & K.C.P. Science College,  
**VIJAYAPUR.**



44.	CHAITRA . BALASAHEB . ALOOR	P	A	P	A	P	P	A
	SUSHMITA . SURESH . BIRADAR	A	P	P	P	P	P	P
	VIJAYALAXMI . ABASAB . JADHAV	P	P	P	A	P	P	A
45.	SHANMUKHA .. KIRASUR	P	P	A	P	A	P	A
46.	MAMATA . TRILOCHAN . SUIRUR		P	P	P	P	A	P
47.	BINDU . MARUTI . BAJANTRI	P	A	P	P	A	A	A
48.	RINKU . MAHENDRA . PATEL	A	P	P	P	P	P	P
49.	LAXMIBAI . PARASAPPA . PATIL	P	A	P	P	P	P	P
50.	BHAGYASHREE . KOLAKAR	P	P	A	P	A	P	P
51.	PAVITRA . RUDRAPPA . DALAWAI	P	A	P	P	P	A	P
52.	PREMA . VITHOBA . YARANAL	A	P	P	P	P	P	A
53.	PAVITRA . KALLAYYA . .	P	A	P	A	P	A	P
54.	PRIYANKA . SUBHASH . SAVANI	P	P	A	P	A	P	P
55.	PRIYANKA . RAJU . CHAVAN	P	A	P	A	P	A	P
56.	LAXMI .. TAKKALAKI	A	P	A	P	A	P	P
57.	SHASHIKUMAR . HARANAL	P	A	P	P	P	P	P
58.	RAGHAVENI . VANAJAKAR	A	P	A	P	P	P	P
59.	LAVANYA .. GODEKAR	A	P	P	P	P	P	P
60.	MALLANAGOWDA .. PATILA	P	P	P	P	P	A	P
61.	SANGANNA . KARANDE		P	P	P	P	P	P
62.	BHUVANESHWARI . CHOUDARI	P	A	P	P		P	P
63.	CHANNAVEER . BADIGER	P	A	P	A	P	P	P
64.	SIDDARTH . SADASHIV . PATIL	P	P	A	P		P	P
65.	AVINASH .. PATIL	A	P	P	P	P	P	A
66.	PRAGATI . KALLAPPA . NANDUR	P	A	P	A	P	A	P
67.	RESHMA . LALU . PAWAR	A	P	P	P	P	P	P
68.	SHRIDHAR . BALAWAT	P	A	P	P	P	P	P
69.	SAMARTH . ATHARGA	P	A	P	A	P	P	P
70.	SHRISHAIL . DHAVALAGI	P	A	P	P	P	A	P
71.	NISHA . MOTIRAM . RATHOD	A	P	P	A	P	P	A
72.	KAVERI . SHRISHAIL . TILLIHAI	P	A	P	P	P	P	A
73.	SATAPPA . BABU . BIRADAR	A	P	P	A	P	A	P
74.	MALLIKARJUN . BUDIHAI	P	P	P	P	P	P	A
75.	KAJAL . KALLAPPA . HALAKUDE	A	P	P	P	P	P	P
76.	SAFEYABEGUM MUJAWAR	P	P	P	P	P	P	A
77.	RENUKA GORAGORI	P	A	P	P	P	P	P
78.	CHAITRA . SUBHASH . ADAKI	A	P	P	A	P	P	A
79.	SHIVANAND. PUJARI	P	A	P	P	A	P	P
80.	VIDYARAANI LAALASANGI	A	P	P	A	P	P	P
81.	POOJA . BADRU . NAIK	P	A	P	P	P	P	P
82.	SMRITI . VINAY . NAIK	A	P	A	P	P	P	P
83.	ANIL . JAYAVANT . PADATARE	P	A	P	A	P	P	P
84.	AKASHA . LAKSHAMAN . CHAVAN	A	P	P	P	P	A	P
85.	NITIN . BALKRISHAN . JADHAV	P	A	P	P	P	P	A
86.	CHAITRA . SHANKAR . HERAKAL	A	P	P	A	P	A	P
87.	ARCHANA . NANDARAGI	P	A	P	P	A	P	P
88.	BHAGYASHREE . KARENNI	P	P	P	A	P	A	P
89.	SHANKAR . SUNIL . ALMALE	P	A	A	P	P	P	A
90.	AKSHATA . SHIVAJI . LIMAKAR	A	P	P	A	P	P	P
91.	SUNANDA . MAHADEV . BIRADAR	P	A	P	P	P	A	P
92.	SAHEBAGOUDA . DUMMADRI	P	P	P	P	A	P	A
93.	AMOGHASIDDA MELINAMANI	P	A	P	P	P	P	P
94.	AKASH . SHARANAPPA . PURANI	P	A	P	P	P	P	A

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ISHWAR . SHANKAR . .	P	B	P	P	P	P	P
VISHAL . NINGAPPA . MAYUR	A	P	A	B	A	A	A
VIJAYKUMAR . IRAPPA . PUJARI	P	A	P	A	P	P	P
98. PRAJWAL . GURURAJ . IJERI	A	P	P	P	A	A	A
99. ASMITA . BHIMA . PANGUDWALE	P	A	P	P	A	P	P
100. SIDDHAMMA . HIROLI	A	P	P	P	P	A	A
101. KARISHMA . ISAK . MADHABAVI	P	A	P	P	P	A	P
102. SHREYA . ANAGAWADI	A	P	P	P	P	P	A
103. NAJMA . KUDALAGI	P	A	P	A	P	P	A
104. ASHWINI . GANAPATI . .RATHOD	A	P	A	P	P	A	P
105. TEJASWINI . R.K.HARIJAN . .	P	A	P	P	A	P	P
106. R.KRANTI . RAMESH . RATHOD	P	P	A	P	P	A	A
107. PRIYANKA . TUKARAM . PUJARI	A	P	P	A	P	P	P
108. ABHISHEK . ISHWAR . PUJARI	P	P	A	P	P	P	P
109. SHANKARALING AMARODAGI	P	A	P	P	A	P	A
110. SIDDDRAMAYYA . . SATTIGERI	A	P	A	P	A	P	P
111. DEVI . BIRADAR	P	A	P	P	P	A	A
112. NIKITA . DASHARATH . KANASE	A	P	A	P	P	P	P
113. PREETI KUMARI	A	A	P	P	P	P	A
114. GANESH . ASHOK . REDDI	P	P	A	P	A	P	P
115. SACHIN . ASHOK . BAGALI	A	P	P	P	P	P	A
116. RESHMA . DASHRATH . TARSE	P	A	P	A	P	A	P
117. VIJAYALAXI . HUNASAGI	P	A	P	P	P	P	P
118. SACHIN . SURESH . BIRADAR	A	P	B	P	P	P	P
119. AMRUTA . CHANNAPPA . BILUR	P	A	A	P	P	P	P
120. KALPANA . . HITNALLI	A	P	A	P	P	P	P
121. SEEMA . HIREMATH	A	P	P	P	P	P	P
122. JYOTI . DILEEP . RATHOD	P	P	A	P	A	P	P
123. MARUTI . DILEEP . RATHOD	A	P	P	A	P	A	P
124. SHIVANI . RAMESH . KOKATNUR	P	A	P	P	P	P	A
125. SACHIN . MADASANAL	P	A	P	A	P	A	P
126. PREMA . VITTHAL . ROLLI	P	P	P	P	P	P	A
127. BHARGAVI . PARASAPPA . NAVI	A	P	A	P	A	P	P
128. SWATI . SIDDAPPA . MUTTAGI	P	P	P	P	P	P	A
129. AMIT . MOHAN . JADHAV	A	P	A	P	A	P	P
130. KAVERI . RAJKUMAR . PAWAR	A	P	P	P	P	P	P
131. AKSHATA . BHUSHETTI	A	P	P	P	P	P	P
132. RANI . SHANKAR . TIVARI	P	A	P	A	P	P	P
133. AKSHATA . BHIMAPPA . SANADI	P	A	P	P	P	P	P
134. SUDHARANI . PRAKASH . SANADI	A	P	P	P	P	P	A
135. SHRINIVAS . KOULAGI	P	A	P	P	A	P	P
136. BASAVARAJ . JATTEPPA . PUJARI	A	P	P	P	P	A	A
137. NIVEDITA . BOMMANAHALLI	P	P	P	P	P	A	P
138. AKHILA . SHIDAGOUDA . PATIL	P	P	P	P	A	P	A
139. JYOTI . BHAIKAPPA . TERADAL	P	P	P	P	P	A	P
140. POOJA . BASAVARAJ . MUNJANNI	P	P	P	P	P	P	A
141. SHREELAXMI . KAMASHETTY	A	P	P	P	P	P	P
142. RAJASHREE . MALLANNA . BOGAR	P	P	P	A	P	P	A
143. ASHWINI . SANGANNA . CHOUDRI	A	P	P	P	P	P	P
144. SHAILA . DEVENDRA . PATTAR	P	A	P	P	P	P	P
145. PARVATI . BIRADAR	P	P	P	P	P	P	A
146. PRAVEENKUMAR . KADAKOL	P	P	P	P	P	P	P
147. RAJASHREE . PAWAR	A	P	P	P	P	P	A



150	SHWETA . SALADAHALLI	P-	P	P	P	P	P	A
	RAHUL . ANNARAY . BIDARKOTI	A	P	P	P	P	P	A
	NANDBASAPPA . PUJARI	P	P	P	P	A	P	P
151	BHUVANESHWARI . M	A	P	P	P	P	P	P
152	AMARAMMA . BIRADAR	P	P	P	A	P	P	P
153	POOJA . BABUGOUDA . PATIL	A	P	P	P	P	P	A
154	RAVIKUMAR . HATTI	P	P	A	P	P	P	P
155	ANKITA . POOJARI	P	P	P	P	P	P	A
156	RAJASHEKHAR . SHATAGAR	P	P	A	P	P	A	P
157	SHRAVANAKUMAR .M	P	A	P	P	P	P	P
158	BASAMMA .. MADDARAKI	P	P	P	P	P	A	P
159	AVINASH . BIRADAR	A	P	A	P	P	A	A
160	AISHWARYA . KABADE	A	P	P	P	P	A	P
161	UDAYKUMAR . BIRADAR	P	A	P	A	P	P	P

  
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### \*Ecological Importance of Bryophytes

**Bryophytes are of great ecological importance due to following reasons:**

(a) Pioneer of the land plants. Bryophytes are pioneer of the land plants because they are the first plants to grow and colonize the barren rocks and lands.

(b) Soil erosion. Bryophytes prevent soil erosion. They usually grow densely and hence act as soil binders. Mosses grow in dense strands forming mat or carpet like structure.

**They prevent soil erosion by:**

(i) Bearing the impact of falling rain drops

(ii) Holding much of the falling water and reducing the amount of run-off water.

(c) Formation of soil. Mosses and lichens are slow but efficient soil formers. The acid secreted by the lichens and progressive death and decay of mosses help in the formation of soil.

(d) Bog succession. Peat mosses change the banks of lakes or shallow bodies of water into solid soil which supports vegetation e.g., Sphagnum.

(e) Rock builders. Some mosses in association with some green algae (e.g., Chara) grow in water of streams and lakes which contain large amount of calcium bicarbonate. These mosses bring about decomposition of bi-carbonic ions by abstracting free carbon dioxide. The insoluble calcium carbonate precipitates and on exposure hardens, forming calcareous (lime) rock like deposits.

### **2. Formation of Peat:**

Peat is a brown or dark colour substance formed by the gradual compression and carbonization of the partially decomposed pieces of dead vegetative matter in the bogs. Sphagnum is an aquatic moss. While growing in water it secretes certain acids in the water body.

This acid makes conditions unfavorable for the growth of decomposing organisms like bacteria and fungi. Absence of oxygen and decomposing microorganisms slows down the decaying process of dead material and a large amount of dead material is added year by year. It is called peat (that is why Sphagnum is called peat moss).

*Continued*



### **Various Uses of Peat are:**

- (a) Used as fuel in Ireland, Scotland and Northern Europe.
- (b) In production of various products like ethyl alcohol, ammonium sulphate, peat, tar, ammonia, paraffin, dye, tannin materials etc.
- (c) In horticulture to improve the soil texture.
- (d) In surgical dressings.

### **3. As Packing Material:**

Dried mosses and Bryophytes have great ability to hold water. Due to this ability the Bryophytes are used as packing material for shipment of cut flowers, vegetables, perishable fruits, bulbs, tubers etc.

### **4. As Bedding Stock:**

Because of great ability of holding and absorbing water, in nurseries beds are covered with thalli of Bryophytes.

5. In Medicines: Some Bryophytes are used medicinally in various diseases for e.g

- (a) Pulmonary tuberculosis and affliction of liver—*Marchantia* spp.
- (c) Acute hemorrhage and diseases of eye—Decoction of *Sphagnum*.
- (d) Stone of kidney and gall bladder—*Polytrichum commune*.



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## **Pteridophytes: Characters and Economic Importance | Plant Kingdom.**

### **(1) Food:**

Like other plants, pteridophytes constitute a good source of food to animals. Sporocarps of Marsilea, a water fern, yield starch that is cooked and eaten by certain tribal.

### **(2) Soil Binding:**

By their growth pteridophytes bind the soil even along hill slopes. The soil is protected from erosion.

### **(3) Scouring:**

Equisetum stems have been used in scouring (cleaning of utensils) and polishing of metals. Equisetum species are, therefore, also called scouring rushes.

### **(4) Nitrogen Fixation:**


Azolla (a water fern) has a symbiotic association with nitrogen fixing cyanobacterium Anabaena azollae. It is inoculated to paddy fields to function as biofertilizer.


### **(5) Medicines:**

An anthelmintic drug is obtained from rhizomes of Dryopteris (Male Shield Fern).

### **(6) Ornamentals:**

Ferns are grown as ornamental plants for their delicate and graceful leaves.

  
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B.L.D.E Association's

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## **REPORT**

Dr.P. D Needagi ,Prof.,L..L .Malghan and Ms Gangambika Biradar. faculty of Botany department conducted the tutorials for the BSc II, IV and VI semester students in the academic year 2018-19. The student attended the classes as per the prior set time table.

These tutorials posed to enhance the additional knowledge to the existing curricular study. They became more study oriented .The students here studied about the plant systematic classifications.



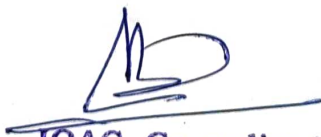
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