

GOVERNMENT DEGREE COLLEGE-RANGASAI PET, WARANGAL DIST.

DEPARTMENT OF BOTANY
Certificate Course
On
“MEDICINAL PLANTS AND ITS USES”

Notice

The Department of Botany is very happy to inform you that a certificate course in “Identification Of medicinal plants” will be started on 2nd January 2022. This is open to life science students of this college. Those who are interested in joining this course may contact I/c of Botany Department for further details.

Minutes of Certificate Course

After through discussion, the following resolutions are made

Resolutions

- It was resolved to introduce the “ Medicinal Plants and its Uses” certificate course in this academic year 2021-22
- It is resolved to conduct a certificate course open to life science students.
- It is resolved to conduct classes for 30 working hours on the syllabus presented.
- Resolved to approve the syllabus and model paper. It is resolved to conduct an external examination for 40 marks and internal examinations for 10 marks. Average will be considered marks
Assignment and viva-voce also taken into evaluation.

The Certificate course on “Medicinal Plants and its Uses” has been inaugurated on 02/01/2022 with the assistance of the Dept of Botany, Kakatiya University, Warangal. The duration of the course is 30 hours. The number of students registered for the course was 30. And the classes were scheduled between 3.30 - 4.15pm on working days.

Syllabus:

1. Introduction to medicinal plants
2. History of medicinal plants and Ethano botany
3. Principles of identifying medicinal plants, classification and nomenclature
4. Collection, storage and preservation of medicinal plants
5. Trade in medicinal plants
6. Phytochemistry of some important medicinal plants

7.Scope of cultivation of ayurvedic medicinal plants in rural areas

Outcomes:

To understand the importance of medicinal plants to medicine development

To understand fundamental concepts of medicinal plants

To learn the principle of identifying medicinal plants and understand their medicinal uses.

SYLLABUS
ಪಾಠ್ಯ ಪೂರ್ವಿಕ

Taxonomy, Identification and medicinal uses of following plants.
ಈ ಕ್ಷೇತ್ರದ ಮುಖ್ಯ ಉದ್ಯಮಿಗಳನ್ನು, ಗುರುತಿಸುವ ವಿಧಾನ ಮತ್ತು ಔಷಧಿಗಳ ಬಳಕೆಯನ್ನು ಕುರಿತು ಪ್ರಾಥಮಿಕವಾಗಿ

1. <i>Aloe vera</i>	ಅಲೋ ವೆರಾ	12. <i>Chenopodium</i>	ಅರಿಶಿನದ ಪೊದೆ
2. <i>Azadirachta indica</i>	ಅಜ್ಜಿರೋಷಿ ಪಿಪ್ಪಲ	13. <i>Phyllanthus niruri</i>	ಪಿಲ್ಲಾಂನಿ ಪಿಪ್ಪಲ
3. <i>Anathrachin indica</i>	ಅನಾಥಾಚಿ ಇಂಡಿಕ್	14. <i>Piper longum</i>	ಪಿಪರ ಲಾಂಗುಮ್
4. <i>Bauhinia variegata</i>	ಬಾಹಿನಿ ವ್ಯಾರೀಗೇಟಾ	15. <i>Ruellia strepera</i>	ರೂಯಿಲ್ಲಾ ಸ್ಟ್ರೆಪೆರಾ
5. <i>Cassia auriculata</i>	ಕಾಸಿಯಾ ಅರಿಶಿನ	16. <i>Taraxacum officinale</i>	ಟಾರಾಕ್ಸಾಕ್ಸಾ ಅಫೀಸಿನೇ
6. <i>Cathartanthus roseus</i>	ಕಾಥರಾಂಥಸ್ ರೋಸಸ್	17. <i>Thespesia grandiflora</i>	ಥೆಸ್ಪೆಸಿಯಾ ಗ್ರಾಂಡಿಫ್ಲೋರಾ
7. <i>Cassia siamea</i>	ಕಾಸಿಯಾ ಸಿಯೇಮಾ	18. <i>Tribulus terrestris</i>	ಟ್ರಿಬುಲಸ್ ಟೆರ್ರೆಸ್ಟ್ರಿಸ್
8. <i>Cassia toria</i>	ಕಾಸಿಯಾ ಟೋರಿಯಾ	19. <i>Trichosanthes dioica</i>	ಟ್ರಿಕ್ಸಾಂನಾ ಡಿಯೋಕಾ
9. <i>Dalmanella indica</i>	ದಾಲ್ಮಾನೆಲ್ಲಾ ಇಂಡಿಕ್	20. <i>Vernonia cinerea</i>	ವೆರ್ನೋನಿಯಾ ಸಿನ್ಯೇರಾ
10. <i>Gliricidia sepium</i>	ಗ್ಲಿರಿಕ್ಯಿಡಿಯಾ ಸೆಪಿಯಮ್	21. <i>Withania somnifera</i>	ವಿಥಾನಿಯಾ ಸೊಮ್ನಿಫೇರಾ
11. <i>Indigofera tinctoria</i>	ಇಂಡಿಗೊ ಫೆರ್ರಾ		

References:

1. Medicinal Uses of our Backyard Plants. Dr. M. Bhagathi Reddy, 2014. Lap Lambert Publications ISBN 978-3-039-42103-2
2. Hand Book of Indian Medicinal Plants. M.C. Joshi 2014. Sceriffa Publishers. ISBN 9787911197490X7911295.

QUESTION PAPER

Total: 1hr 30 min

Max marks: 50

Answer all the following questions. Draw neat labeled diagrams wherever necessary.

ಈ ಕೆಳಗೆ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಿವರವಾಗಿ ಉತ್ತರಿಸಿ. ಅಗತ್ಯವಿರುವ ಸ್ಥಳಗಳಲ್ಲಿ ಚಿತ್ರಗಳನ್ನು ಎದರಿಸಿ.

S = 10 = 50 Marks

Write the morphological characters and medicinal uses of following plants

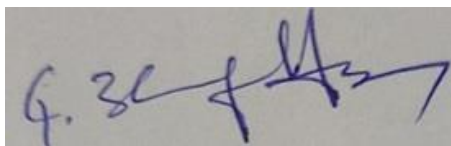
ಕೆಳಗೆ ಹೆಸರಿಟ್ಟಿರುವ ಉದ್ಯಾನಿಧಿಗಳ ರೂಪಾಂತರಗಳನ್ನು ಮತ್ತು ಔಷಧಿಕ ಉಪಯೋಗಗಳನ್ನು ವಿವರಿಸಿ.

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|------------------------------|-----------------------|-------------|
| 1. <i>Azadirachta indica</i> | ಅಜಾದಿರಾಚ್ ಇಂಡಿಕಾ | ಮೆಣಸು |
| 2. <i>Glicyrrhiza glabra</i> | ಗ್ಲಿಸಿರೈಜಾ ಗ್ಲಾಬ್ರಾ | ಕಾಡು |
| 3. <i>Withania somnifera</i> | ವಿಶ್ವಾಮಿತ್ರಾ ಉಪ್ಪು ಮರ | ಅಕ್ಕಿಗೊಡ |
| 4. <i>Ruscus aculeatus</i> | ರೂಸ್ಕಸ್ ಅಕುಲೇಟಸ್ | ಏರಿಗೊಡ |
| 5. <i>Cassia siamea</i> | ಕಾಸಿಯಾ ಸಿಯೇಮೆ | ಏರಿಗೊಡ ಅಥವಾ |

Participated students:

S No	H T No	Name of Student	Group
1	440203002	Anumandla Nithin	BZC III
2	440203003	Gadepelli Ramya	BZC III
3	440203111	Samreen	BZC III
4	440203201	Degumarthy Breethi	BZC III
5	440203004	Gouda Shiva	BZC III
6	440203005	Gouda Supriya	BZC III
7	440213101	ABBARABOINA SRIKALA	BZC II
8	440213102	ALIGETI SHIVANI	BZC II
9	440213103	AZMEERA SUMAN	BZC II
10	440213106	GADDALA MYNA	BZC II
11	440213107	GADDAM NAVYA SRI	BZC II
12	440213108	HEENA FATHIMA	BZC II
13	440213109	JILLA ANJALI	BZC II
14	440213111	MOHD SAQLAIN MUNAZZA	BZC II
15	440213112	MUMTAZ	BZC II
16	440213113	NAHEEDUNNISA	BZC II
17	440213114	NUNE SHIVA KUMAR	BZC II
18	440213115	PANIKALA BHARGAVI	BZC II
19	440213116	SHABOTHU LATHA	BZC II
20	440213117	TABASSUM BEGUM	BZC II
21	440213118	VELPUKONDA PRAVALIKA	BZC II
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I/C of Botany Department



Principal