



GOVERNMENT DEGREE COLLEGE
RAZOLE – 533242, EAST GODAVARI (Dist), A.P
NAAC Re-Accredited with 'B' Grade



GOVERNMENT DEGREE COLLEGE
RAZOLE - 533242, EAST GODAVARI (A.P)
DEPARTMENT OF BOTANY
Certificate course on medicinal plants



GOVERNMENT DEGREE COLLEGE RAZOLE
DEPARTMENT OF HISTORY
CULTURAL HERITAGE AND TOURISM 2020-2021
Minutes of Certificate Course

After through discussion the following resolutions are made

Resolutions

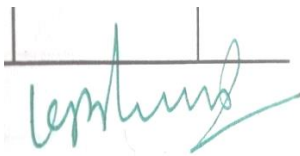
- It was resolved to introduce “CULTURAL HERITAGE AND TOURISM” certificate course in this academic year 2020-21.
- It is resolved to conduct certificate course for final year students.
- It is resolved to conduct classes for 45 working hours on the syllabus presented.
- Resolved to approve the syllabus and model paper. it is resolved to conduct external examination for 60 marks and internal examinations for 40 marks. Average will be considered marks seminars/Assignment and vive-voce.

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DEPARTMENT OF HISTORY
CULTURAL HERITAGE AND TOURISM 2020-2021
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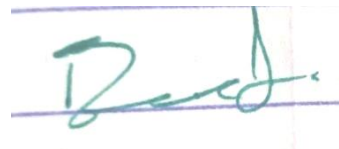
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PRINCIPAL

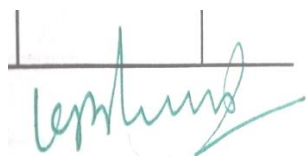


COURSE CO-ORDINATOR

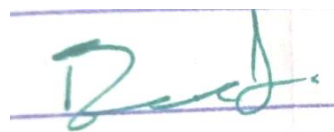
DEPARTMENT OF BOTANY

NOTICE

The Department of Botany is very happy to Inform you that a certificate course in “Identification Of medicinal plants” will be started from 1st December of 2020. This Is open to all the students of this college Those who are interested to join in this course may contact Dr. M. bhupathi rayalu for further details.



PRINCIPAL



COURSE CO-ORDINATOR

GOVERNMENT DEGREE COLLEGE RAZOLE
DEPARTMENT OF BOTANY
Identification Of medicinal plants'' -2020-2021
Minutes of Certificate Course

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Certificate Course in Medicinal Plants

Department of Botany
Govt. Degree College--Razole

Syllabus

Theory:

1. Introduction to Medicinal Plants.
2. History of Medicinal Plants and Ethnobotany.
3. Principles of identifying medicinal plants, classification and nomenclature of medicinal plants and their morphology.
4. Important medicinal plants: Habit, habitat and brief description, identification and uses. part(s) and medicinal value of the plants.
5. Collection, storage and preservation of Medicinal Plants.
6. Trade in Medicinal Plants.
7. Phyto-chemistry of some important Medicinal Plants
8. Scope of cultivation of Ayurvedic Medicinal plants in rural areas.
9. Introduction to Human Body and diseases.

Practical:

Identification of medicinal plants/crude drugs through specimens.

Course objectives:

1. To understand the importance of medicinal plants to medicine development
2. To understand fundamental concepts of medicinal plants
3. To understand basic knowledge of human body and common disorders
4. To learn the principle of identifying medicinal plants and understand their medicinal uses

Duration: 3 months.

Open to all.

The minimum educational qualification for the certificate course will be Intermediate.

Course contents:

There will be 2 sections of the course. Each section will constitute one paper of 100 marks. The medium of teaching will be in Telugu.

Examination will be conducted at the end of the course.

DEPARTMENT OF BOTANY :: వృక్ష శాస్త్ర విభాగము

Government Degree College, Razole, E.G.Dt.

ప్రభుత్వ డిగ్రీ కళాశాల, రాజోలు, తూ.గో.జిల్లా - 533 242

45 Days Certificate Course
on

Identification and Uses of Some Important Medicinal Plants

కొన్ని ముఖ్యమైన ఔషధ మొక్కలను గుర్తించి, వాటియొక్క ఉపయోగాలను
తెలుసుకొనుట పై 45 రోజుల ధృవీకరణ విద్యా కోర్సు

SYLLABUS

పాఠ్య ప్రణాళిక

Taxonomy, Identification and medicinal uses of following plants.

ఈ క్రింది మొక్కల వృక్ష వర్గీకరణ శాస్త్రం, గుర్తింపు మరియు ఔషధ ప్రాముఖ్యత

1. <i>Aloe vera</i>	అలో వెరా	12. <i>Ocimum sanctum</i>	ఆసిమమ్ సాంఠం
2. <i>Artemisia annua</i>	ఆర్థెమిసియ వీనుయా	13. <i>Phyllanthus niruri</i>	ఫిల్లాంథస్ నిరూరి
3. <i>Azadirachta indica</i>	ఆజాడిరచ్ఛ ఇండికా	14. <i>Piper longum</i>	పైపర్ లాంగం
4. <i>Bacopa monniera</i>	బాకోపా మొన్నిరా	15. <i>Rauwolfia serpentina</i>	రావుల్ఫియా సర్పెంటీన
5. <i>Cassia auriculata</i>	కాసియా ఆరిక్యులేట	16. <i>Terminalia chebula</i>	టెర్మినాలియా చెబులా
6. <i>Catharanthus roseus</i>	కథరంఠస్ రోజియస్	17. <i>Tinospora cordifolia</i>	టీనోస్పోరా కార్డిఫోలియా
7. <i>Centella asiatica</i>	సెంటెల్లా ఆసియాటిక	18. <i>Tribulus terrestris</i>	ట్రీబ్యులస్ టెర్రెస్ట్రీస్
8. <i>Curcuma longa</i>	కర్కుమా లాంగా	19. <i>Trichopus zeylanicus</i>	ట్రైకోపస్ జేలానికస్
9. <i>Embllica officinalis</i>	ఎంబ్లిక అఫిసినాలీస్	20. <i>Vitex negundo</i>	వైటిక్స్ నెగుండో
10. <i>Gloriosa superba</i>	గ్లోరియోసా సుపర్బ	21. <i>Withania somnifera</i>	విథానియా సోమ్నిఫెరా
11. <i>Indigofera tinctoria</i>	ఇండిగోఫెరా టింక్టరీయా		

References:

1. Medicinal Uses of our Backyard Plants. Dr. M. Bhupathi Rayalu. 2015. Lap Lambert Publications. ISBN 978-3-659-80393-2.
2. Hand Book of Indian Medicinal Plants. M.C. Joshi. 2019. Scientific Publishers. ISBN 9387913295. 9789387913295.

DEPARTMENT OF BOTANY :: వృక్ష శాస్త్ర విభాగము

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QUESTION PAPER

Time: 1hr 30 min.

Max marks: 50

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

క్రింది అన్నీ ప్రశ్నలకు సమాధానం వ్రాయుము. అవసరమైన ప్రతిచోటా భాగములను గుర్తిస్తూ బొమ్మలను గీయుము.

5 × 10 = 50 Marks

Write the morphological characters and medicinal uses of following plants

ఈ క్రింది మొక్కల బాహ్యస్వరూప శాస్త్రం మరియు ఔషధ ప్రాముఖ్యతలను వివరింపుము.

- | | | |
|--------------------------------|-----------------------|-------------|
| 1. <i>Azadirachta indica</i> | ఆజాడిరక్టా ఇండికా | వేప |
| 2. <i>Gloriosa superba</i> | గ్లోరియోస సుపర్బా | నాభి |
| 3. <i>Withania somnifera</i> | విధానియా సోమ్నిఫెరా | అశ్వగంధ |
| 4. <i>Rauvolfia serpentina</i> | రావుల్ఫియా సర్పెంటీనా | సర్పగంధ |
| 5. <i>Centella asiatica</i> | సెంటెల్లా ఆసియాటిక | సరస్వతి ఆకు |