


Syllabus for Department of Chemistry & Pharma. Sciences

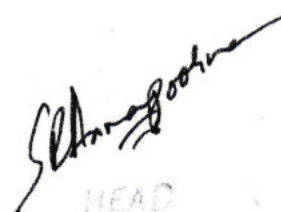
S.No.	Module Title	Module Content	Teaching Methodology	Number of Classes	Credits
1.	Rural Society	Structure & Dynamics of the Society of Rural Society: Social, Economic, Political and Cultural.	Group discussion, Lecture & Field Visit	2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.	2credits
2.	Dynamics of change	Community Goal Setting: Social Engineering	Group discussion, Lecture, Group Exercise & Field Visit	2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.	
3.	Participatory Learning, Methods & Social mapping/recourse mapping	Approaches and Methods, Community Project Proposal and Project Management, Concept and steps, Thematic Maps, diagrams, matrix	Field Visit Participation, Lecture, Preparation of Awareness program, Aids coaching	2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.	2credits
4.		Participatory techniques	Community mobilization & community involvement	Lecture, Field Visit, Participation of community, Group discussion	
5.	Evaluation method	25% theory, 25% presentation, 50% on field evaluation & write-up	Project submission & Final Presentation	1hr	Total 4 credits


 24/7/17
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Topics for Rural Development from Dept. of Chemistry & Pharma. Sciences

1. Plants of rural area useful as medicines & checking and confirming Chemical which heals, Medicinal plants.
2. Soil testing for minerals and to guide farmers for right crop in right soil.
3. History & Impact of Extinct & Existing Breed of Sheep's & Goats of Telangana State.
4. NUTRIENT Analysis and Health Benefits of Goat & Cows (Cattle rearing) milk-Marketing Primary Products.
5. Environmental sustainability- Climate Change.
6. Development of new strategies for chemical weed control.
7. Pest Management-(Educating the farmers from using harmful chemical pesticides).
8. Engineered Ecosystems for waste management.
9. Different types of soils.
10. Organic farming.
11. Soil suitability and management for crop productions.
12. Water management.
13. Control of soil corrosion.
14. Protecting dairy and increase of dairy products.
15. Rural Health – Educating on wellness, health promotion, disease prevention.
16. Reproductive Health education program on HIV/AIDS.
17. Reductions of cost of solar energy sources, and enhance the utilization in rural areas.
18. Encouragement of develop Industries in areas by reduction of pollution.
19. Formation of Agriculture research institutes in newly formed Mandal Headquarters.
20. Identification and utilization of natural resources.
21. Occupational hazards in weaves.
22. The study about rural development with respect to Agriculture crop price stabilization and authorization.
23. To know the rural area conditions.
24. Terms of trade.
25. Adulteration of foods with drugs.

26. Rain water harvesting.
27. Energy conservation and water quality.
28. Soil quality- identification of various elements.
29. Agricultural expansion.
30. Organic farming/Garden.
31. Evaluating the impact of solid waste disposal.
32. The economic importance of paper, metal and wood.
33. Biogas production from cow dreg & coconut shells/ nulls.
34. Communicable- Non communicable disease. History & impact on future generation.
35. Educating the women on hygienic conditions.
36. Detection of heavy metals – Ground water.
37. Mal- nutrition in women & children.
38. Impact of plastic usage.
39. Use of technology in trading system.
40. Industries – Rural areas.
41. % of literacy in rural areas & % of Employment- care study.
42. First aid – medicinal plant folklore drugs – treatment.
43. Consumption of fertilization & farm mechanization.
44. Natural dyeing.
45. Soya based products.
46. Medicinal plant Nursery.
47. Vermi composting.
48. Home made Products.
49. Study of literate zones of Telangana.
50. Marketing system – Challenges and weather based crop insurance schemes.



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