

IDEAL COLLEGE OF ARTS AND SCIENCES
AUTONOMOUS & NAAC B
Dr. P.V.N RAJU VIDYAPRANGANAM
SAMALKOT ROAD, KAKINADA

LIST OF NEW COURSES

Academic Year - 2019-2020

| S.No | Name of the New Courses | Department | Program |
|------|--|------------------------------------|---------|
| 1 | Fundamentals of Soil science | Sustainable Agriculture | B.Voc |
| 2 | Fundamentals of Agronomy | Sustainable Agriculture | B.Voc |
| 3 | Fundamentals of Horticulture | Sustainable Agriculture | B.Voc |
| 4 | Fundamentals of Entomology and insect ecology | Sustainable Agriculture | B.Voc |
| 5 | Manures, Fertilizers and soil fertility Management | Sustainable Agriculture | B.Voc |
| 6 | Plantation crops, spices and fruits | Sustainable Agriculture | B.Voc |
| 7 | Fundamentals of Plant Breeding and seed technology | Sustainable Agriculture | B.Voc |
| 8 | Fundamentals of Agricultural Engineering | Sustainable Agriculture | B.Voc |
| 9 | Chemistry (Inorganic and Organic chemistry) | Industrial Aquaculture and Fishers | B.Voc |
| 10 | Zoology (Animal Diversity and Non chordates) | Industrial Aquaculture and Fishers | B.Voc |
| 11 | Biology of Fin Fish & Shell Fish | Industrial Aquaculture and Fishers | B.Voc |
| 12 | Principles of Methods in Aquaculture | Industrial Aquaculture and Fishers | B.Voc |
| 13 | Fresh Water Aquaculture | Industrial Aquaculture and Fishers | B.Voc |
| 14 | Chemistry (Physical Chemistry) | Industrial Aquaculture and Fishers | B.Voc |

| S.No | Name of the New Courses | Department | Program |
|------|---|------------------------------------|---------|
| 15 | Zoology (Animal Diversity and Chordates) | Industrial Aquaculture and Fishers | B.Voc |
| 16 | Brackish Water Aquaculture & Mari Culture | Industrial Aquaculture and Fishers | B.Voc |
| 17 | Hatchery Technology in Aquatic Organisms | Industrial Aquaculture and Fishers | B.Voc |
| 18 | Gear and Craft in Aquaculture | Industrial Aquaculture and Fishers | B.Voc |

M. Nitin Ram
 IQAC Coordinator
 CO-ORDINATOR
 IQAC
 Ideal College of Arts & Sciences (A)
 KAKINADA

K. Thulasi
 Principal
 Principal
 Ideal College of Arts & Sciences (A)
 KAKINADA

IDEAL COLLEGE OF ARTS AND SCIENCES
(A.P. GOVT., AIDED, AUTONOMOUS & NAAC B)
DR. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA
Bachelor of Vocation: Sustainable Agriculture
Course structure and syllabi: w.e from 2020-20 Admitted Batch
Semester I

| S.No | Course | Total Marks | Mid Sem Exam | Sem End Exam | Teaching Hours | Credits |
|--------------------------|---|-------------|--------------|--------------|----------------|---------|
| General Education | | | | | | |
| 1. | English Communication skills-1 | 100 | 30 | 70 | 4 | 2 |
| 2. | Environmental Studies | 50 | - | 50 | 2 | 2 |
| 3. | Chemistry (Inorganic & Organic Chemistry) | 100 | 30 | 70 | 4 | 2 |
| 4. | Lab Practical | 50 | - | 50 | 2 | 2 |
| 5. | Fundamentals of Soil Science | 100 | 30 | 70 | 4 | 2 |
| 6. | Lab Practical | 50 | - | 50 | 2 | 2 |
| Skill Education | | | | | | |
| 1 | Fundamentals of Agronomy | 100 | 30 | 70 | 4 | 4 |
| 2 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 3 | Fundamentals of Horticulture | 100 | 30 | 70 | 4 | 4 |
| 4 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 5 | Fundamentals of Entomology and Insect ecology | 100 | 30 | 70 | 4 | 4 |
| 6 | On Job Training | 50 | 0 | 50 | | 2 |

900

Ch. A. Prasad

N. Vara Prasad

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DR. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA

B.Voc., Sustainable Agriculture

Course structure and syllabi: w.e from 2020-20 Admitted Batch

Semester II

| S.No | Course | Total Marks | Mid Sem Exam | Sem End Exam | Teaching Hours | Credits |
|--------------------------|--|-------------|--------------|--------------|----------------|-----------|
| General Education | | | | | | |
| 1. | English Communication skills -2 | 100 | 30 | 70 | 4 | 2 |
| 2. | Chemistry (Physical Chemistry) | 100 | 30 | 70 | 4 | 3 |
| 3. | Lab Practical | 50 | - | 50 | 2 | 2 |
| 4. | Manures, Fertilizers and Soil Fertility Management | 100 | 30 | 70 | 2 | 3 |
| 5. | Lab Practical | 50 | - | 50 | 2 | 2 |
| Skill Education | | | | | | |
| 1 | Plantation Crops, Spices and Fruits | 100 | 30 | 70 | 4 | 4 |
| 2 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 3 | Fundamentals of Plant Breeding and Seed technology | 100 | 30 | 70 | 4 | 4 |
| 4 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 5 | Fundamentals of Agricultural Engineering | 100 | 30 | 70 | 4 | 4 |
| 6 | On Job Training | 50 | 0 | 50 | | 2 |
| | Total | 850 | | | 32 | 30 |

Ch. Arjun

N. Vana Prasad

Srinivas murthy C

Hareddy

IDEAL COLLEGE OF ARTS AND SCIENCES
 (A.P. GOVT., AIDED, AUTONOMOUS & NAAC B)
 DR. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA
Bachelor of Vocation: Industrial Aquaculture and Fisheries
 Course structure and syllabi: w.e from 2019-20 Admitted Batch
 Semester I

| S.No | Course | Total Marks | Mid Sem Exam | Sem End Exam | Teaching Hours | Credits |
|--------------------------|---|-------------|--------------|--------------|----------------|-----------|
| General Education | | | | | | |
| 1. | English Communication skills-1 | 100 | 25 | 75 | 4 | 2 |
| 2. | Environmental Studies | 50 | - | 50 | 2 | 2 |
| 3. | Chemistry (Inorganic & Organic Chemistry) | 100 | 25 | 75 | 4 | 2 |
| 4. | Lab Practical | 50 | - | 50 | 2 | 2 |
| 5. | Zoology (Animal Diversity and Nonchordates) | 100 | 25 | 75 | 4 | 2 |
| 6. | Lab Practical | 50 | - | 50 | 2 | 2 |
| Skill Education | | | | | | |
| 1 | Biology of Fin Fish & Shell Fishes | 100 | 25 | 75 | 4 | 4 |
| 2 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 3 | Principles of Methods in Aquaculture | 100 | 25 | 75 | 4 | 4 |
| 4 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 5 | Fresh Water Aquaculture | 100 | 25 | 75 | 4 | 4 |
| 6 | On Job Training | 50 | 0 | 50 | | 2 |
| | Total | 900 | | | 34 | 30 |

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P. S. 23/10/19

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23/10/19

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Bhavi Shyer
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G. S. [Handwritten signature]

IDEAL COLLEGE OF ARTS AND SCIENCES
(A.P. GOVT., AIDED, AUTONOMOUS & NAAC B)
DR. P.V.N. RAJU VIDYAPRANGANAM, KAKINADA
B.Voc., Industrial Aquaculture and Fisheries
I Year ,II semester 2019-2020

| S.No | Course | Total Marks | Mid Sem Exam | Sem End Exam | Teaching Hours | Credits |
|--------------------------|--|-------------|--------------|--------------|----------------|---------|
| General Education | | | | | | |
| 1. | English Communication skills -2 | 100 | 25 | 75 | 4 | 2 |
| 2. | Chemistry (Physical Chemistry) | 100 | 25 | 75 | 4 | 3 |
| 3. | Lab Practical | 50 | - | 50 | 2 | 2 |
| 4. | Zoology (Animal Diversity and Chordates) | 100 | 25 | 75 | 2 | 3 |
| 5. | Lab Practical | 50 | - | 50 | 2 | 2 |
| Skill Education | | | | | | |
| 1 | Brackishwater Aquaculture and Mari culture | 100 | 25 | 75 | 4 | 4 |
| 2 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 3 | Hatchery Technology in Aquatic Organisms | 100 | 25 | 75 | 4 | 4 |
| 4 | Lab Practical | 50 | 0 | 50 | 2 | 2 |
| 5 | Gear and Craft in Aquaculture | 100 | 25 | 75 | 4 | 4 |
| 6 | On Job Training | 50 | 0 | 50 | | 2 |
| | Total | 850 | | | 32 | 30 |

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 23/10/19

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 23/10/19
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 Bhavishyer
 dr. Sridhe
 G. Sridhe