



## **SIR C R REDDY COLLEGE FOR WOMEN**

(Affiliated to AdikaviNannaya University, Rajahmahendravaram)

Vatluru (Post), Pedapadu Mandal, Elurui Dist., (A.P)

## **PG ENTRANCE COACHING**

**For**

**M.Sc. Life sciences**

**Date: 27-June-2022 to 21 -July-2022**

**Time: 8:30 am to 9:30 am**

**&**

**4.30pm to 5.30pm**

**Organized by**

**CAREER GUIDANCE & PLACEMENT CELL**

**2021-2022**

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## About Programme

The Career Guidance and Placement Cell at Sir CR Reddy College for Women organized PG entrance coaching classes in Mathematics,. These classes were conducted by senior faculty members who specialize in the respective subjects at the college.

### Program: PG Entrance Coaching for Subject

#### Subjects Covered:

- M.Sc. (Life sciences) (Botany ,Zoology)

#### Target Audience:

- III B.Sc. students aspiring for postgraduate studies (M.Sc.)

#### Duration:

- June 27<sup>th</sup> , 2022, to July 21<sup>st</sup> , 2022 (25 days)

#### Time:

- 8:30 AM to 9:30 AM & 4.30PM to 5.30PM

#### Resource Persons:

Smt .S.Anuradha

Smt. Dr.Ch.Swapna

#### Organized By:

- Career Guidance and Placement Cell at Sir CR Reddy College for Women

#### Resource Persons

#### Program Overview:

- Specifically designed coaching program focusing on NANNAYACET 2022 for M.Sc. aspirants.
- Conducted by seasoned faculty members from Sir CR Reddy College, each specializing in Mathematics.
- Comprehensive curriculum comprising subject-specific lectures, problem-solving sessions, practice tests, and exam strategy workshops.
- Tailored content to acquaint students with the NANNAYACET exam pattern, syllabi, and effective preparation methodologies.

#### Benefits for III B.Sc. Students:

- Early guidance and preparation assistance for M.Sc. entrance exams.
- Exposure to exam patterns, aiding in better preparedness.
- Access to experienced faculty for subject-specific guidance and doubt resolution.

Enhanced readiness for M.Sc. studies by initiating preparation in advance. This coaching program aims to support B.Sc. students in their aspirations for pursuing postgraduate studies by providing structured coaching specifically aligned with the requirements of the NANNAYACET 2022 examination.

## **Learning Objectives and Learning Outcomes**

### **Learning Objectives:**

1. **Subject Mastery:** To facilitate a comprehensive understanding of the core concepts and subject-specific knowledge required for M.Sc. entrance exams.
2. **Exam Familiarity:** To familiarize students with the exam pattern, question types, and syllabi specific to NANNAYACET 2022.
3. **Problem-Solving Skills:** To enhance problem-solving abilities and critical thinking necessary to tackle complex questions in the entrance exams.
4. **Time Management:** To equip students with effective time management strategies for the exam and optimize their performance within the stipulated time frame.
5. **Exam Strategy:** To provide guidance on effective exam strategies, including question selection, prioritization, and efficient answering techniques.

### **Expected Outcomes:**

1. **Strong Foundation:** Students are expected to build a strong foundational understanding of their respective subjects, providing a basis for advanced studies.
2. **Improved Performance:** Enhanced problem-solving skills and a better grasp of exam patterns can result in improved performance in mock tests and the actual entrance exam.
3. **Confidence:** Through regular practice and guidance, students are likely to gain confidence in handling diverse questions and scenarios during the examination.
4. **Effective Preparation:** Students should be better prepared to face the challenges of the entrance exams by utilizing learned strategies and subject-specific knowledge.
5. **Readiness for Postgraduate Studies:** The coaching program aims to prepare students adequately for the rigors of postgraduate studies in their chosen fields.

## Permission Letter

20-06-2022  
Eluru

To  
The Principal  
Sir C.R.Reddy College for Women  
Eluru

**Subject: Request to grant permission to conduct P.G Entrance test Coaching Classes to final year students.**

This is to bring to your kind notice that, Career Guidance and Placement Cell is planning to conduct P.G Entrance test Coaching Classes for interested III B.Sc/B.Com students specializing life Sciences, Mathematics, Physics, Chemistry, Commerce .

The coaching classes aim is to provide additional support and guidance to our ambitious students who aspire to excel in their respective fields and we believe that providing coaching classes with in our college will not only benefit our students but also contribute to the overall academic excellence of our institution. These classes will be conducted for about 30 days i.e., from 27<sup>th</sup> June 2022 to 21<sup>st</sup> July 2022. The duration of these classes will be from 8:30 am to 9:30 am and 4:30 pm to 5:30 pm. I kindly request your approval for this initiative, as it aligns with our commitment to fostering academic excellence and preparing our students for successful futures.

Thanking you Madam,

*Permitted*  
*Kalyani*  
Principal  
Sir C.R.Reddy College for Women  
ELURU

Yours Faithfully,  
*[Signature]*  
(Coordinator)

Career Guidance and Placement Cell

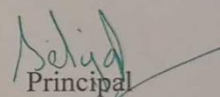
# Notice to Students

## NOTICE

22-06-2022

This is to inform you all that Career Guidance and placement Cell arranged P.G Entrance Test Coaching Classes for interested III B.Sc/B.Com students specializing life Sciences, Mathematics, Physics, Chemistry, Commerce. These Classes will be held within the college at Seminar Hall from 27<sup>th</sup> June 2022 to 21<sup>st</sup> July 2022 running from 8:30 am to 9:30 am and 4:30 pm to 5:30 pm. This initiative aims to enhance your preparation for P G Entrance Test offering personalized guidance to help you excel in the examination. These sessions will provide valuable insights and guidance.

We encourage all interested candidates to attend and take advantage of this valuable opportunity.

  
Principal

Principal  
Sir C.R.Reddy College for Women  
ELURU

## Course Structure

- Life Sciences subjects are related to the study of various life processes in plants, animals, and other living organisms.
- The syllabus for MSc Zoology includes topics on Animal Physiology, Immunology, Genetics and Evolution, Animal Diversity, Animal Ecology and Reproductive Biology.
- MSc Zoology subjects include Animal Behaviour, Parasitology, Mammalogy, Comparative Anatomy, Endocrinology and Marine Biology.
- Some of the key areas that make up the life sciences include:
  - Biology, the study of living organisms, the study of the structure and function of living organisms.
  - Genetics, the study of genes, heredity, and the passing of traits.
- Plant Biology, Biochemistry, Food Science, Biotechnology, Bioinformatics, Agricultural Science, Molecular Biology, Botany, Zoology, and Chemistry are the primary MSc Life Science subjects covered in this course.
- The life sciences are broken down into many fields, such as botany, zoology, marine biology, and virology. The study of the life sciences includes cell biology, genetics, molecular biology, botany, microbiology, zoology, evolution, ecology, and physiology

# Course Material

## SU UNIVERSITY

### PREVIOUS PAPER

### ZOOLOGY

2022

TIME : 90 Minutes **BASED ON MEMORY** MAX MARKS:100

#### SECTION - A

- The storage form of energy to meet immediate energy demands of the body**
  1. Proteins
  2. Glycogen
  3. Glucose
  4. Lipids
- One of the following is unsaturated fatty acid**
  1. Lanolenic acid
  2. Propionic acid
  3. Buteric acid
  4. Acetic acid
- Activities of the cell are under the control of**
  1. Golgi
  2. Nucleus
  3. Mitochondria
  4. Endoplasmic reticulum
- Excretory structures in crustacea**
  1. Green glands
  2. Primary nephridia
  3. Coxal glands
  4. Coxal+green glands
- Which cells secrete spicules in sponges?**
  1. Spongocytes
  2. Theocytes
  3. Pinocytes
  4. Schlerocytes
- Lampbrush chromosomes present in**
  1. Oocytes
  2. Salivary glands
  3. Pancreas
  4. Secretory cells
- The following cell organelles help in cell division**
  1. Golgi
  2. Ribosomes
  3. Centrioles
  4. Mitochondria
- Heparin is a**
  1. Mucopoly saccharide
  2. Glycopoly saccharide
  3. Lipopoly saccharide
  4. Glyceropoly saccharide
- Early animal which show bilaterally symmetry**
  1. Round worms
  2. Earthworms
  3. Arthropods
  4. Platyhelminths
- Choyanocytes help in**
  1. Excretion
  2. Regeneration
  3. Water movement
  4. Spicules formation
- The sugar present in nucleic acids**
  1. Pentose
  2. Triose
  3. Tetrose
  4. Hexose
- Sulphar containing amino acid**
  1. Lysine
  2. Cysteine
  3. Tyrosine
  4. Proline
- Following cells are absent in Sponges**
  1. Germinal+Nerve
  2. Sensory + Germinal
  3. Ameobocytes
  4. Nerve + Sensory
- The biggest phylum in Animal Kingdom**
  1. Annelida
  2. Mollusca
  3. Arthropoda
  4. Echinodermata
- If centromere occurs in the centre of the chromosome then the chromosome is called as**
  1. Acrocentric
  2. Metacentric
  3. Telocentric
  4. Submetacentric
- Which cell organells play very significant role in biosynthesis of proteins?**
  1. Lysosomes
  2. Mitochondria
  3. Ribosomes
  4. Golgi complex
- Echinodermal larva shows the symmetry**
  1. Bilateral
  2. Radial
  3. Biradial
  4. Spherical
- Contractile vacuoles are present only in**
  1. Marine protozoans
  2. Fresh water protozoans
  3. Parasite protozoans
  4. None of the above
- The following polysaccharide is composed of B-glycosidic bonds**
  1. Starch
  2. Glycogen
  3. Dextrin
  4. Cellulose
- The sugar which is frequently used in medical practice**
  1. Maltose
  2. Lactose
  3. Dextrose
  4. Sucrose
- Very important character of phylum mollusca**
  1. Shell + Eyes
  2. Flagellae + Eyes
  3. Nephridia + Mantle
  4. Mantle + Radula
- In echinodermata, water vascular system is originated from**
  1. Ossicles
  2. Body cavity
  3. Tube feet
  4. Epidermis
- Example for cane sugar**
  1. Maltose
  2. Lactose
  3. Glucose
  4. Sucrose
- Respiratory pigment in the blood of Mollusca**
  1. Haemocyanin
  2. Venidium
  3. Haemoglobin
  4. Hemerythrin

100 - Entrance - Zoology



56. One of the following exhibit discontinuous distribution

- |                |              |
|----------------|--------------|
| 1. Protopterus | 2. Exocoetus |
| 3. Amphioxus   | 4. Siren     |

57. Line dividing southern Bali and Lombok islands is called as

- |                 |               |
|-----------------|---------------|
| 1. Wallace line | 2. Weber line |
| 3. Both 1 and 2 | 4. None       |

58. Number of somites in 48 hrs chick embryo is

- |             |             |
|-------------|-------------|
| 1. 34 pairs | 2. 23 pairs |
| 3. 16 pairs | 4. 18 pairs |

59. Gynecomastia is exhibited by

- |                   |            |
|-------------------|------------|
| 1. Ornithorynchus | 2. Opossum |
| 3. Kangaroo       | 4. Whale   |

60. Geological time scale is divided into

- |           |           |           |           |
|-----------|-----------|-----------|-----------|
| 1. 6 eras | 2. 5 eras | 3. 2 eras | 4. 4 eras |
|-----------|-----------|-----------|-----------|

### SECTION - C

61. Cellulose digestion occurs in

- |              |                |
|--------------|----------------|
| 1. Aves      | 2. All mammals |
| 3. Ruminants | 4. Rodents     |

62. Frugivores feed on

- |               |            |
|---------------|------------|
| 1. Vegetables | 2. Fruits  |
| 3. Tubers     | 4. Insects |

63. Autotrophic organism

1. Depend on other organism for food
2. Hunt food
3. Synthesize their own food
4. Cannot synthesize their own food

64. Deficiency of niacin causes

- |              |             |
|--------------|-------------|
| 1. glossitis | 2. pellagra |
| 3. anaemia   | 4. scurvy   |

65. The chemical name of Vitamin A is

- |            |               |
|------------|---------------|
| 1. biotin  | 2. niacin     |
| 3. retinol | 4. folic acid |

66. Urea is synthesized in

- |           |           |
|-----------|-----------|
| 1. liver  | 2. kidney |
| 3. muscle | 4. none   |

67. Volume of oxygen consumed during respiration by man is

- |                      |                       |
|----------------------|-----------------------|
| 1. 250 ml per minute | 2. 200 ml per minute  |
| 3. 500 ml per minute | 4. 1500 ml per minute |

68. Enzyme which catalyse  $\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{CO}_3$  during  $\text{CO}_2$  transport is

- |                |                       |
|----------------|-----------------------|
| 1. amylase     | 2. dehydrogenase      |
| 3. transferase | 4. carbonic anhydrase |

69. Hypoxia is

1. Inadequate oxygen supply
2. No oxygen supply
3. Excess oxygen supply
4. Normal oxygen supply

70. Example of neurotransmitter

- |                  |                 |
|------------------|-----------------|
| 1. acetylcholine | 2. acetoacetate |
| 3. acetyl CoA    | 4. acetate      |

71. Study of reflex action was first made by

- |              |                |
|--------------|----------------|
| 1. W. Harvey | 2. Robert hook |
| 3. Pavlov    | 4. Frisch      |

72. Dancing language in honey bee is used between

- |                        |                          |
|------------------------|--------------------------|
| 1. Queen bee and drone | 2. Drone and drone       |
| 3. Drone and worker    | 4. Worker and worker bee |

73. Cyclomorphism is common in

- |              |            |
|--------------|------------|
| 1. Honey bee | 2. Daphnia |
| 3. Rotifers  | 4. Cyclops |

74. Cardiac muscle is

1. Striated and involuntary
2. Striated voluntary
3. Unstriated and voluntary
4. Unstriated involuntary

75. Trachea is lined with

- |                              |                     |
|------------------------------|---------------------|
| 1. squamous cells            | 2. epithelial cells |
| 3. ciliated epithelial cells | 4. none             |

76. One of the following is antidiuretic hormone

- |                |                |
|----------------|----------------|
| 1. vasopressin | 2. adrenalin   |
| 3. thyroxin    | 4. epinephrine |

77. Mineralo corticoids regulate

- |                  |                      |
|------------------|----------------------|
| 1. Carbohydrates | 2. Ions              |
| 3. Hormones      | 4. Protein synthesis |

78. Following endocrine gland which regulate BMR is

- |              |                    |
|--------------|--------------------|
| 1. Pituitary | 2. Thyroid         |
| 3. Adrenal   | 4. Adrenal medulla |

79. Protozoan's regulate water and ionic balance through

- |                 |                        |
|-----------------|------------------------|
| 1. Food vacuole | 2. Contractile vacuole |
| 3. Nucleus      | 4. Cytoplasm           |

80. Oxyntic cell produce

- |               |           |
|---------------|-----------|
| 1. Proteins   | 2. HCl    |
| 3. Pepsinogen | 4. Rennin |

81. Ozone which absorbs UV radiations is present in

- |               |                 |
|---------------|-----------------|
| 1. toposphere | 2. stratosphere |
| 3. ionosphere | 4. exosphere    |

82. Insulin is produced by

- |                          |                          |
|--------------------------|--------------------------|
| 1. alpha cells of islets | 2. beta cells of islets  |
| 3. gamma cells of islets | 4. delta cells of islets |

83. Nitrogen fixing bacteria is present in

1. Roots of potato
2. Roots of tomato
3. Root nodules of legumes
4. Roots of all plants

- 84. Example for innate learning**  
 1. nest building                      2. singing in birds  
 3. both 1 and 2                      4. none
- 85. The noise pollution is measured in**  
 1. hertz                                      2. decibel  
 3. tons                                        4. fathoms
- 86. Muscle proteins are**  
 1. actin                                      2. myosin  
 3. both 1 and 2                      4. none
- 87. Tendon attaches between**  
 1. bone to bone                      2. muscle to muscle  
 3. muscle and bone                      4. muscle and ligament
- 88. Nissl granules are found in**  
 1. Dendrites                              2. Axon  
 3. Cell body of nerve                      4. Nerve terminals
- 89. One of the following controls several functions of body**  
 1. Cerebrum                              2. Cerebellum  
 3. Medulla                                  4. Spinal cord
- 90. The water cycle, also known as**  
 1. Geochemical cycle                      2. Hydrologic cycle  
 3. Biochemical cycle                      4. Chemical cycle
- 91. India has over animal sanctuaries**  
 1. 441                                        2. 500  
 3. 205                                        4. 800
- 92. The largest source of energy for an ecosystem is**  
 1. light                                        2. sun  
 3. moon                                       4. trees
- 93. Energy flow in an ecosystem would begin with the**  
 1. Carnivores                              2. Herbivores  
 3. Consumers                              4. Producers
- 94. Example for mutualism**  
 1. Hydra-zoo chlorella  
 2. Man E-coli  
 3. Hermit crab and sea anemone  
 4. All
- 95. Mammalian characters in crocodile**  
 1. 3 chambered heart                      2. 4 chambered heart  
 3. thecodont                                4. both 1 and 3
- 96. Sliding mechanism of muscle contraction was proposed by**  
 1. Huxley-Hansen                      2. Jacob-Monod  
 3. Davidson                                4. Robert Hook
- 97. Amphibian exhibiting parental care**  
 1. Ichthyophis                              2. Siren  
 3. Amphioxus                              4. Amblystoma
- 98. Homeostasis was first proposed by**  
 1. Huxley                                      2. Claude Bernard  
 3. Herbert Spencer                      4. Kelvin
- 99. Critinism means**  
 1. hypothyroidism                      2. hyperthyroidism  
 3. hyperparathyroidism                      4. hypoparathyroidism
- 100. Volume of urine excreted by a healthy person is**  
 1. 1500 ml                                  2. 100 ml  
 3. 250 ml                                    4. 750 ml

## ANSWERS

1.2	2.3	3.2	4.3	5.3	6.2	7.1	8.1	9.2	10.1	11.3	12.1	13.1	14.2	15.2	16.3
17.4	18.1	19.1	20.2	21.2	22.2	23.2	24.2	25.2	26.4	27.1	28.3	29.3	30.3	31.2	32.1
33.4	34.1	35.1	36.1	37.2	38.4	39.-	40.2	41.2	42.4	43.3	44.2	45.2	46.1	47.1	48.2
49.3	50.2	51.2	52.1	53.1	54.-	55.2	56.1	57.1	58.-	59.2	60.4	61.3	62.2	63.3	64.2
65.3	66.1	67.-	68.4	69.1	70.1	71.3	72.4	73.-	74.4	75.3	76.1	77.2	78.2	79.2	80.-
81.1	82.2	83.3	84.3	85.2	86.3	87.3	88.3	89.4	90.2	91.-	92.2	93.4	94.4	95.4	96.1
97.1	98.2	99.2	100.1												

# SU UNIVERSITY

## PREVIOUS PAPER

### ZOOLOGY

TIME : 90 Minutes BASED ON MEMORY MAX MARKS:100

#### SECTION-A

1. One of the following protozoa exhibit bioluminescent
  1. Elphidium
  2. Noctiluca
  3. Trypanosoma
  4. Leishmania
2. Pernicious anemia is an example of
  1. Genetic
  2. Parasitic
  3. B12 deficiency
  4. Auto immunodeficiency
3. The enzymes of TCA cycle are present in
  1. Cytoplasm
  2. Mitochondrial matrix
  3. Golgi complex
  4. Inner mitochondrial membrane
4. Aristotle's lantern is present in
  1. Echinus
  2. Starfish
  3. Sophiothrix
  4. Doliolaria larva
5. Example for aromatic amino acid
  1. Alanine
  2. Aspartic acid
  3. Phenylalanine
  4. Glutamic acid
6. Giant chromosome is present
  1. chironomous larva
  2. oocytes of frog
  3. molluscan larva
  4. bipinnaria larva
7. The number bonds between A and T of DNA are
  1. 2
  2. 3
  3. 4
  4. 1
8. Shape of tRNA is
  1. clover leaf
  2. circular
  3. cylindrical
  4. none
9. One of the following is disaccharide
  1. galactose
  2. maltose
  3. cellulose
  4. glycogen
10. Example for essential fatty acid is
  1. Linoleic acid
  2. Phospholipid
  3. Steroids
  4. All
11. Locomotory organs of neries is
  1. Setae
  2. Pseudopodia
  3. Parapodia
  4. Tubefeet
12. Respiration in Prawn is through
  1. gills
  2. respiratory trees
  3. lungs
  4. cutaneous
13. Importance of gap junction is
  1. transportation
  2. adhesion
  3. mechanical support
  4. no function
14. The best fixative used in micro techniques
  1. Bouin's fluid
  2. Alcohol
  3. Glycerol
  4. D.P.X.
15. Example for fresh water porifera
  1. Sycon
  2. Euplectella
  3. Spongilla
  4. Leucoselenia
16. The type of ribosome in prokaryotic cell is
  1. 70S
  2. 60S
  3. 5S
  4. 80S
17. Amphiblastula is the larval form of
  1. obelia
  2. pheritima
  3. hydra
  4. sycon
18. Male mosquitoes feed on tree sap because of
  1. presence of mandibles
  2. absence of mandibles
  3. presence of antinna
  4. all
19. Polymorphism is exhibited in
  1. siphonophora
  2. hydra
  3. obelia
  4. polyp
20. Miracidium is the larval form of
  1. taenia solium
  2. fasciola hepatica
  3. echinococcus
  4. ascaris
21. Function of radula in pila is
  1. tactile
  2. rasping
  3. vision
  4. testing purity of water
22. Which class of mollusca exhibit torsion?
  1. cephalopod
  2. gastropod
  3. pelicypoda
  4. placophora
23. Anticoagulant produced by leech is
  1. Heparin
  2. Hirudin
  3. Hematin
  4. All
24. In Nematoda excretion is done through
  1. Flame cell
  2. Rennet cell
  3. Contractile vacuole
  4. Malphigian tubule
25. Sea mouse belongs to this class
  1. oligocheata
  2. polychaeta
  3. hirudinia
  4. archi annelida

56. One of the following exhibit discontinuous distribution

- |                |              |
|----------------|--------------|
| 1. Protopterus | 2. Exocoetus |
| 3. Amphioxus   | 4. Siren     |

57. Line dividing southern Bali and Lombok islands is called as

- |                 |               |
|-----------------|---------------|
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- |             |             |
|-------------|-------------|
| 1. 34 pairs | 2. 23 pairs |
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59. Gynecomastia is exhibited by

- |                   |            |
|-------------------|------------|
| 1. Ornithorynchus | 2. Opossum |
| 3. Kangaroo       | 4. Whale   |

60. Geological time scale is divided into

- |           |           |           |           |
|-----------|-----------|-----------|-----------|
| 1. 6 eras | 2. 5 eras | 3. 2 eras | 4. 4 eras |
|-----------|-----------|-----------|-----------|

### SECTION - C

61. Cellulose digestion occurs in

- |              |                |
|--------------|----------------|
| 1. Aves      | 2. All mammals |
| 3. Ruminants | 4. Rodents     |

62. Frugivores feed on

- |               |            |
|---------------|------------|
| 1. Vegetables | 2. Fruits  |
| 3. Tubers     | 4. Insects |

63. Autotrophic organism

1. Depend on other organism for food
2. Hunt food
3. Synthesize their own food
4. Cannot synthesize their own food

64. Deficiency of niacin causes

- |              |             |
|--------------|-------------|
| 1. glossitis | 2. pellagra |
| 3. anaemia   | 4. scurvy   |

65. The chemical name of Vitamin A is

- |            |               |
|------------|---------------|
| 1. biotin  | 2. niacin     |
| 3. retinol | 4. folic acid |

66. Urea is synthesized in

- |           |           |
|-----------|-----------|
| 1. liver  | 2. kidney |
| 3. muscle | 4. none   |

67. Volume of oxygen consumed during respiration by man is

- |                      |                       |
|----------------------|-----------------------|
| 1. 250 ml per minute | 2. 200 ml per minute  |
| 3. 500 ml per minute | 4. 1500 ml per minute |

68. Enzyme which catalyse  $\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{CO}_3$  during  $\text{CO}_2$  transport is

- |                |                       |
|----------------|-----------------------|
| 1. amylase     | 2. dehydrogenase      |
| 3. transferase | 4. carbonic anhydrase |

69. Hypoxia is

1. Inadequate oxygen supply
2. No oxygen supply
3. Excess oxygen supply
4. Normal oxygen supply

70. Example of neurotransmitter

- |                  |                 |
|------------------|-----------------|
| 1. acetylcholine | 2. acetoacetate |
| 3. acetyl CoA    | 4. acetate      |

71. Study of reflex action was first made by

- |              |                |
|--------------|----------------|
| 1. W. Harvey | 2. Robert hook |
| 3. Pavlov    | 4. Frisch      |

72. Dancing language in honey bee is used between

- |                        |                          |
|------------------------|--------------------------|
| 1. Queen bee and drone | 2. Drone and drone       |
| 3. Drone and worker    | 4. Worker and worker bee |

73. Cyclomorphism is common in

- |              |            |
|--------------|------------|
| 1. Honey bee | 2. Daphnia |
| 3. Rotifers  | 4. Cyclops |

74. Cardiac muscle is

1. Striated and involuntary
2. Striated voluntary
3. Unstriated and voluntary
4. Unstriated involuntary

75. Trachea is lined with

- |                              |                     |
|------------------------------|---------------------|
| 1. squamous cells            | 2. epithelial cells |
| 3. ciliated epithelial cells | 4. none             |

76. One of the following is antidiuretic hormone

- |                |                |
|----------------|----------------|
| 1. vasopressin | 2. adrenalin   |
| 3. thyroxin    | 4. epinephrine |

77. Mineralo corticoids regulate

- |                  |                      |
|------------------|----------------------|
| 1. Carbohydrates | 2. Ions              |
| 3. Hormones      | 4. Protein synthesis |

78. Following endocrine gland which regulate BMR is

- |              |                    |
|--------------|--------------------|
| 1. Pituitary | 2. Thyroid         |
| 3. Adrenal   | 4. Adrenal medulla |

79. Protozoan's regulate water and ionic balance through

- |                 |                        |
|-----------------|------------------------|
| 1. Food vacuole | 2. Contractile vacuole |
| 3. Nucleus      | 4. Cytoplasm           |

80. Oxyntic cell produce

- |               |           |
|---------------|-----------|
| 1. Proteins   | 2. HCl    |
| 3. Pepsinogen | 4. Rennin |

81. Ozone which absorbs UV radiations is present in

- |               |                 |
|---------------|-----------------|
| 1. toposphere | 2. stratosphere |
| 3. ionosphere | 4. exosphere    |

82. Insulin is produced by

- |                          |                          |
|--------------------------|--------------------------|
| 1. alpha cells of islets | 2. beta cells of islets  |
| 3. gamma cells of islets | 4. delta cells of islets |

83. Nitrogen fixing bacteria is present in

1. Roots of potato
2. Roots of tomato
3. Root nodules of legumes
4. Roots of all plants

- 94. Example for innate learning**  
 1. nest building                      2. singing in birds  
 3. both 1 and 2                        4. none
- 95. The noise pollution is measured in**  
 1. nerts                                    2. decibel  
 3. tons                                     4. fathoms
- 96. Muscle proteins are**  
 1. actin                                    2. myosin  
 3. both 1 and 2                        4. none
- 97. Tendon attaches between**  
 1. bone to bone                        2. muscle to muscle  
 3. muscle and bone                    4. muscle and ligament
- 98. Nissl granules are found in**  
 1. Dendrites                            2. Axon  
 3. Cell body of nerve                 4. Nerve terminals
- 99. One of the following controls several functions of body**  
 1. Cerebrum                            2. Cerebellum  
 3. Medulla                                4. Spinal cord
- 99. The water cycle, also known as**  
 1. Geochemical cycle                2. Hydrologic cycle  
 3. Biochemical cycle                 4. Chemical cycle
- 91. India has over animal sanctuaries**  
 1. 441                                        2. 500  
 3. 205                                        4. 800
- 92. The largest source of energy for an ecosystem is**  
 1. light                                        2. sun  
 3. moon                                       4. trees
- 93. Energy flow in an ecosystem would begin with the**  
 1. Carnivores                            2. Herbivores  
 3. Consumers                            4. Producers
- 94. Example for mutualism**  
 1. Hydra-zoo chlorella  
 2. Man E-coli  
 3. Hermit crab and sea anemone  
 4. All
- 95. Mammalian characters in crocodile**  
 1. 3 chambered heart                2. 4 chambered heart  
 3. thecodont                              4. both 1 and 3
- 96. Sliding mechanism of muscle contraction was proposed by**  
 1. Huxley-Hansen                    2. Jacob-Monod  
 3. Davidson                                4. Robert Hook
- 97. Amphibian exhibiting parental care**  
 1. Icthyophis                            2. Siren  
 3. Amphioxix                            4. Amblystoma
- 98. Homeostasis was first proposed by**  
 1. Huxley                                    2. Claude Bernard  
 3. Herbert Spencer                    4. Kelvin
- 99. Critinism means**  
 1. hypothyroidism                    2. hyperthyroidism  
 3. hyper parathyroidism            4. hypoparathyroidism
- 100. Volume of urine excreted by a healthy person is**  
 1. 1500 ml                                2. 100 ml  
 3. 250 ml                                    4. 750 ml

## ANSWERS

1.2	2.3	3.2	4.3	5.3	6.2	7.1	8.1	9.2	10.1	11.3	12.1	13.1	14.2	15.2	16.3
17.4	18.1	19.1	20.2	21.2	22.2	23.2	24.2	25.2	26.4	27.1	28.3	29.3	30.3	31.2	32.1
33.4	34.1	35.1	36.1	37.2	38.4	39.-	40.2	41.2	42.4	43.3	44.2	45.2	46.1	47.1	48.2
49.3	50.2	51.2	52.1	53.1	54.-	55.2	56.1	57.1	58.-	59.2	60.4	61.3	62.2	63.3	64.2
65.3	66.1	67.-	68.4	69.1	70.1	71.3	72.4	73.-	74.4	75.3	76.1	77.2	78.2	79.2	80.-
81.1	82.2	83.3	84.3	85.2	86.3	87.3	88.3	89.4	90.2	91.-	92.2	93.4	94.4	95.4	96.1
97.1	98.2	99.2	100.1												

# Students List

SIR C R REDDY COLLEGE FOR WOMEN ELURU

CAREER GUIDANCE AND PLACEMENT CELL

AUCET COACHING

STUDENTS ATTENDENCE ( 2021- 2022)

Sl	Roll no	Name of the student	Group	Signature of the student
1	194003	BALE NAVYA SREE	III BSC CBZ	B. Navya sree
2	194020	PODAPATI KAVYASRI	III BSC CBZ	P. Kavya Sri
3	194021	THOMMANDRU CHANDRIKA	III BSC CBZ	T. Chandrika
4	194055	THIRUVEDULA JHANSI	III BSC CBZ	T. Jhansi
5	194029	CHITTI USHA SRI	III BSC CBZ	C. Usha Sri
6	194025	YALAMANCHI HEMALATHA	III BSC CBZ	Y. Hema Latha
7	194031	ELURI HARI CHANDANA	III BSC CBZ	E. Hari/ka Chandana
8	194036	GUNDRU SUJATHA	III BSC CBZ	G. Sujatha
9	194020	PODAPATI KAVYASRI	III BSC CBZ	P. Kavya Sri
10	194042	KOTA UMA SABARI	III BSC CBZ	K. Uma Sabari
11	194048	PATHAN SANA KAUSAR	III BSC CBZ	P. sana kausar
12	194062	ARUGOLLU LAKSHMI	III BSC ZFC	A. Lakshmi
13	194081	INDALA ANITHA HEMASREE	III BSC ZFC	I. Anitha Hemasree
14	194045	MORLA RAVALI	III BSC ZFC	M. Ravali
15	194070	KOMMARAJU PRIYANKA	III BSC ZFC	K. Priyanka
16	194083	KURAMA SUSANNA	III BSC ZFC	K. Susanna

17	194085	MALLAMPALLI BHARGAVI	III BSC ZFC	M. Bhargavi
18	194102	NILLA HARIKA	III BSC ZFC	N. Harika.
19	194091	SAVIRIGANA GOWREESWARI	III BSC ZFC	S. Gowreeswari
20	194097	V VYSHNAVI NANDITHA	III BSC ZFC	V. vyshnavi nanditha
21	194086	MATRAPU DEVI DURGA	III BSC ZFC	M. Chandini
22	194087	MOTURI CHANDINI	III BSC ZFC	M. Chandini
23	194090	PILLI MOUNIKA	III BSC ZFC	P. Mounika
24	194073	PINNIBOINA DURGA	III BSC ZFC	P. Durga
25	194072	LEENAROY DEVADASI	III BSC ZFC	L. Devadasi
26	194063	GADI GREESHMA DEVI	III BSC ZFC	G. Greeshma Devi
27	194065	GUMMADI SANDHYA	III BSC ZFC	G. Sandhya
28	194082	KATRU ANUSHA	III BSC ZFC	K. Anusha



Signature of the coordinator

# Students Attendance Register

SIR C R REDDY COLLEGE FOR WOMEN , ELURU													
CAREER GUIDANCE & PLACEMENT CELL													
NANNAYA SET COACHING 2021-2022													
SUB: LIFE SCIENCES ( BOTANY, ZOOLOGY )													
S.NO	ROLL.NO	CLASS	NAME OF THE STUDENT	24/10/21	31/10/21	7/11/21	14/11/21	21/11/21	28/11/21	5/12/21	12/12/21	19/12/21	26/12/21
1	194003	III BSC CBZ	BALE NAVYA SREE	X	X	X	X	X	X	X	X	X	X
2	194020	III BSC CBZ	PODAPATI KAVYASRI	X	X	X	X	X	X	X	X	X	X
3	194021	III BSC CBZ	THOMMANDRU CHANDRIKA	X	X	X	X	X	X	X	X	X	X
4	194021	III BSC CBZ	THIRUVEDULA JHANSI	X	X	X	X	X	X	X	X	X	X
5	194055	III BSC CBZ	CHITTI USHA SRI	X	X	X	X	X	X	X	X	X	X
6	194029	III BSC CBZ	YALAMANCHI HEMALATHA	X	X	X	X	X	X	X	X	X	X
7	194031	III BSC CBZ	ELURI HARI CHANDANA	X	X	X	X	X	X	X	X	X	X
8	194036	III BSC CBZ	GUNDRU SUJATHA	X	X	X	X	X	X	X	X	X	X
9	194052	III BSC CBZ	SHAIK ZULEKHA	X	X	X	X	X	X	X	X	X	X
11	194042	III BSC CBZ	KOTA UMA SABARI	X	X	X	X	X	X	X	X	X	X
12	194048	III BSC ZFC	PATHAN SANA KAUSAR	X	X	X	X	X	X	X	X	X	X
13	194062	III BSC ZFC	ARUGOLLU LAKSHMI	X	X	X	X	X	X	X	X	X	X
14	194081	III BSC ZFC	INDALA ANITHA HEMASREE	X	X	X	X	X	X	X	X	X	X
15	194045	III BSC ZFC	MORLA RAVALI	X	X	X	X	X	X	X	X	X	X
17	194070	III BSC ZFC	KOMMARAJU PRIYANKA	X	X	X	X	X	X	X	X	X	X
18	194083	III BSC ZFC	KURAMA SUSANNA	X	X	X	X	X	X	X	X	X	X
19	194085	III BSC ZFC	MALLAMPALLI BHARGAVI	X	X	X	X	X	X	X	X	X	X
20	194102	III BSC ZFC	NILLA HARIKA	X	X	X	X	X	X	X	X	X	X
21	194091	III BSC ZFC	SAVIRIGANA GOWREESWARI	X	X	X	X	X	X	X	X	X	X
22	194097	III BSC ZFC	V VYSHNAVI NANDITHA	X	X	X	X	X	X	X	X	X	X
23	194086	III BSC ZFC	MATRAPU DEVI DURGA	X	X	X	X	X	X	X	X	X	X
24	194087	III BSC ZFC	MOTURI CHANDINI	X	X	X	X	X	X	X	X	X	X
25	194090	III BSC ZFC	PILLI MOUNIKA	X	X	X	X	X	X	X	X	X	X



26	194073	III BSC ZFC	PINNIBOINA DURGA	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	194072	III BSC ZFC	LEENAROY DEVADASI	x	x	a	x	x	x	x	x	x	x	x	a	x	x	x	x	a	x	x	x	x	x	x	x	x
28	194063	III BSC ZFC	GADI GREESHMA DEVI	a	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	x	x
29	194065	III BSC ZFC	GUMMADI SANDHYA	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
30	194082	III BSC ZFC	KATRU ANUSHA	x	x	a	x	x	x	x	x	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x	x	

SIGNATURE

## **REPORT**

### **PROGRAMME: PG Entrance COACHING FOR III B.Sc. aspirants in Life sciences subject**

In association with IQAC & In accordance with the resolution made during the meeting and documented in the minutes, it was unanimously agreed to arrange PG entrance coaching classes for interested students pursuing III B.Sc (Life sciences ) This significant decision forms an integral part of the report on the PG entrance coaching classes in **Life sciences** subject conducted from 27-June-2022 To 21 -July-2022 from 8:30am to 09:30am & 4.30pm to 5.30pm. These classes were conducted senior and expert faculty from the concerned department.

Approximately 30 motivated students actively participated in the coaching sessions These meticulously organized classes aimed to prepare the students comprehensively for the upcoming PG entrance examinations scheduled in the month of Sep 2022. The coaching sessions were diligently conducted from 8:30 AM to 09:30 AM & 4.30PM to 5.30PM, adhering to a structured curriculum meticulously designed to equip students with the essential skills and knowledge required for success in the examination.

The outcomes of these coaching classes have been highly encouraging. Close to 21 students showcased exceptional performance, securing remarkable pg. ranks demonstrating both their commitment and the effectiveness of the coaching program. Furthermore, all participating students successfully qualified for the examination, marking a significant achievement resulting from our collaborative endeavor.

The successful arrangement of these coaching classes aligns directly with the decision made during the meeting These sessions facilitated a conducive learning environment, significantly contributing to the preparedness and success of the students preparing for the PG entrance examination.

Their dedication has been instrumental in empowering our students for academic success.

**LIST OF STUDENTS QUALIFIED IN PG ENTRANCE EXAM**

**(2021-22)**

SL NO	NAME OF THE STUDENT	GROUP
1	GADI GREESHMA DEVI	ZFC



**APPGCET-2022**  
Post Graduate Common Entrance Tests  
(Conducted by Yogi Vemana University, Kadapa on behalf of APSCHE)



**RANK CARD**

Hall Ticket No. : 30120222597  
Candidate's Name : GADI GREESHMA DEVI  
Father's Name : GADI DURGA RAO  
Test Code & Paper : 301 : Life Sciences

Community  
SC

Date of Birth  
06/08/2001

Course Code	Course Name
PG088	M.Sc. Aquaculture



Marks Obtained : 30  
Rank : 4343

Category Wise Rank	Rank
SC	1310
Women	3043

G. Greeshma Devi



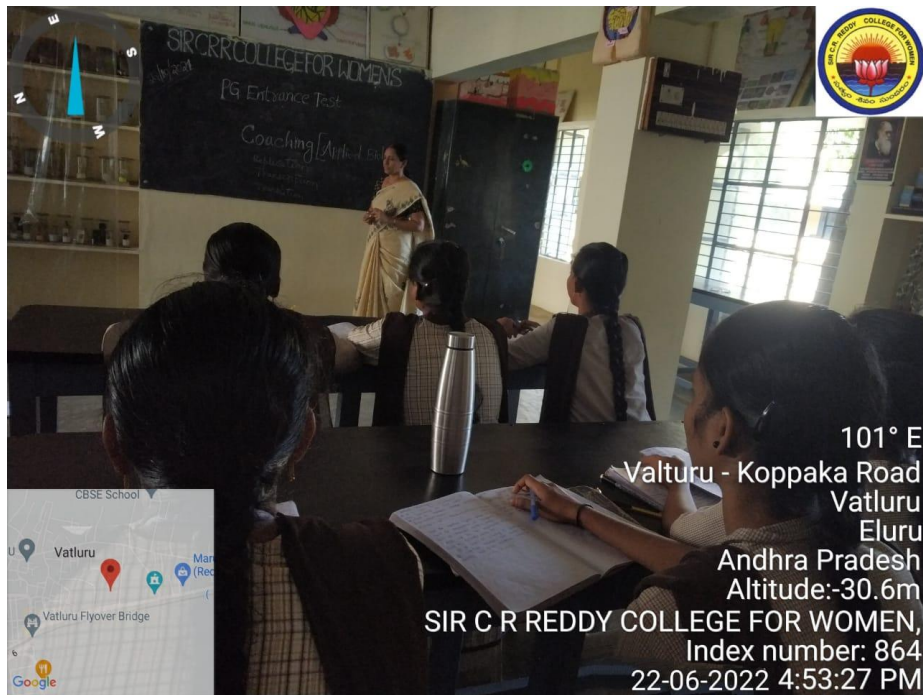
J. NazeerAhamed  
Convener

**INSTRUCTIONS TO THE CANDIDATE**

- The admissions into first year of various P.G. Courses (M.A., M.Com., M.Sc., MCI, M.J.M.C., M.Lib.I.Sc., M.Ed., M.P.Ed., M.Sc.Tech. etc) in the Academic Year 2022-23 offered by Andhra Pradesh State funded Universities and their Constituent/ Affiliated [Government and Private (Aided/Unaided)] Colleges including Minority Educational Institutions in the State will be made through a centralized web counseling. Further, the schedules will be available in websites. The qualified candidates are advised to visit the websites from time to time for further admission schedules.  
Websites: [www.yogivemanauniversity.ac.in](http://www.yogivemanauniversity.ac.in) (or) [www.yvu.edu.in](http://www.yvu.edu.in) (or) <https://cets.apsche.ap.gov.in>
- The eligibility of the candidates is not verified / decided at the time of application and during the entrance test. The verification will be done only during the admissions. Hence, candidates are advised to ensure that they are eligible for the course/ subject they are applying for admission.
- The candidates called for certificate verification must have the following original certificates /documents to upload for verification.
  - Rank Card and Hall Ticket of APPGCET - 2022.
  - Transfer Certificate (T.C) from the institution where the candidate has last studied.
  - Degree certificate and complete memorandum of marks or consolidated memo of qualifying examination (the downloaded memos are not allowed). The candidate should ensure that he / she has passed the qualifying examination with requisite percent of marks without which his / her admission will not be entertained.
  - Secondary School or 10th std. Certificate.
  - Bonafide certificates from 9th Class onwards or Proof of Local \ Non-Local status of the candidate as per the rules in force.
  - Community / Caste Certificate, if applicable.
  - Latest Income Certificate issued by Tahsildar on or after 01.01.2022, if applicable.
  - Certificates of special categories, if applicable, and when called for admission under these categories.
  - Aadhaar Card.

In addition to the above, the candidates must also upload passport size photographs that are similar to those uploaded during the online.

## Photo Gallery



Coaching classes was conducted by Anuradha