

SUBJECT CODE: VBOF-1A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU I

B.Sc. VOCATIONAL – I SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUALAB TECHNOLOGY

BIOLOGY OF FISH

Time: 3 hrs.

Max.Marks: 40

PART – A

Answer any FOUR of the following:

4x10=40M

Draw labeled diagrams wherever necessary.

1. Explain in detail about the biology of Fresh water fishes.
2. Dissect and display the Visceral organs of fish and Write detailed notes on the given Visceral organs  
A) Heart            B) Pituitary gland    C) Swim bladder
3. Explain the circulatory system of Fish.
4. Dissect the given fish and examine the gut contents and give your coment on its feeding habit.
5. Give an account of Types of Scales in Fishes.
6. Explain the biological characters of Lobster.

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SUBJECT CODE: VAET-1A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU I

B.Sc. VOCATIONAL – I SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUALAB TECHNOLOGY

AQUATIC ECOLOGY AND TOXICOLOGY

Time: 3 hrs.

Max.Marks: 40

Answer any FOUR of the following:

4x10=40M

Draw labeled diagrams wherever necessary.

1. Discuss the food chain and food web with reference to Pond ecosystem.
2. Write the general account of the fresh water plankton.
3. Give a detailed account on different common larval of annelids under planktonic organisms.
4. Estimate the Nitrate content in the given water sample by Kit method.
5. Write the following short notes
  - a) Metallic and Non Metallic Pollutants
  - b) Acid rains.
6. Discuss about the Environmental Policy and Planning.

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SUBJECT CODE: VSPT-1A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU  
I B.Sc.VOCATIONAL-I SEMESTER END EXAMINATION – OCTOBER 2017  
CLINICAL AND AQUA LAB TECHNOLOGY  
SEED PRODUCTION TECHNOLOGY

Time: 3 hrs.

Max.Marks: 40

Note: Write any FOUR of the following:

4x10=40M

Draw labeled diagrams wherever necessary.

PART –A

Answer the following:

1. Give a detailed account of the present status of Prawn and Shrimp production.
2. Give an account of the Life cycle of Crab.
3. Discuss the fish Seed resources in India.
4. Explain the different larval stages of Carp Seed
5. Write notes on the following hatcheries
  - a) Vertical Jar hatchery
  - b) Cemented Cisternal hatchery
6. Describe the Induced breeding with Pituitary extract.

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PAPER CODE:VSPT-1A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

I B.Sc. VOCATIONAL – I SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL AND AQUA LAB TECHNOLOGY

SEED PRODUCTION TECHNOLOGY

Time: 3 hrs.

Max.Marks:40

Write any FOUR of the following :

4x10=40M

1. What is Crab? Explain the Life Cycle of Crab.
  
2. Explain a) Seed Collection  
b) Identification of Major Carp Seed.  
c) Cryopreservation.
  
3. Define Hatchery. Write a note on different hatcheries of Scampi.
  
4. Explain a) Induced Maturation technology.  
b) Chinese hatcheries.
  
5. Write an Essay on Prawn and Shrimp Seed Production.
  
6. Explain a) Life Cycle of fish  
b) Fish Seed resources  
c) Factors Influencing Seed availability.

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PAPER CODE: VAET-1A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

I B.Sc.VOCATIONAL –I SEMESTER END EXAMINATION –

OCTOBER 2016

AQUATIC ECOLOGY AND TOXICOLOGY

Time: 3 hrs.

Max.Marks:40

NOTE: Write any FOUR of the following.

Draw labeled diagrams wherever necessary.

PART –A

Long Answer Questions. Answer the following :

4x10=40M

1. Estimate the Alkalinity of the given water sample and write the procedure.
2. Estimate the carbonates in the given water sample and write the procedure.
3. Estimate the Dissolved Oxygen of the water and write the procedure.
4. Explain the structure and components of Marine Ecosystem.
5. Write about the origin and classification of Pesticides.
6. Identify the given plankton and draw neat and labeled diagrams.

(A) Trochophore (B) Phyllodiaptmus

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PAPER CODE: VOFK-1B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
I B.Sc.VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016  
ORNAMENTAL FISH KEEPING

Time: 3 hrs.

Max.Marks: 40

Answer any FOUR of the following. Draw a suitable diagram wherever necessary:  
3x8=24

1. Write an essay on Exotic species of Aquarium Fishes.
2. Discribe in detail about Live feed of Aquarium Fishes.
3. Describe varieties of gold fish and their characters.
4. Write an essay on Live fish Transport.
5. Write an account for setting up of "Home Aquarium"
6. Describe The Types of Aquarium and Aquarium Aecessories.

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PAPER CODE: VCS-1B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
I B.Sc. VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016  
CLINICAL AND AQUALAB TECHNOLOGY  
COMPUTER SKILLS FOR CLINICAL SCIENCES  
MS-OFFICE –I AND ENGLISH TYPING

Time: 3 hrs.

Max.Marks: 50

I		30M
1.	Perform Mail Merge in MS-Word.	
2.	Prepare a power point presentation with minimum 5 slides.	
3.	Prepare Resume. in Ms-Word.	
4.	Prepare Clipart Commic . in Ms-Word.	
5.	Create a Time Table in Ms-Word.	
II	Online typing Test.	15M
III	Viva	5M

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SUBJECT CODE: VHA-2A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU II

B.Sc.VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

HUMAN ANATOMY

Time: 3 hrs.

Max.Marks: 50

I Answer any FOUR of the following Essays. 4x10=40M

1. Write an essay on Appendicular Skeleton System?
2. Give a note on parts and functions of respiratory System with the help of neat labeled diagram.
3. Explain about the Structure and functions of Kidney?
4. Give a note on autonomic nervous System.
5. Write an essay on various types of muscles.
6. Write a note on female reproductive system.

II Record

10M

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SUBJECT CODE: VPHY-2A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU II

B.Sc.VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

PHYSIOLOGY

Time: 3 hrs.

Max.Marks: 50

I Answer any FOUR of the following Essays. 4x10=40M

1. Elaborate the biological mechanism of digestion.
2. Explain how the gases are transported during the process of respiration.
3. Discuss the steps in Cardiac cycle and heart Sounds.
4. Explain in detail the structure and functions of female reproductive system.
5. Discuss the hormonal functions of Thyroid and parathyroid glands.
6. Elucidate the physiological functions of Pancreas and pancreatic hormones.

II RECORD

10M

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SUBJECT CODE: VENG-2A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU II

B.Sc. VOCATIONAL – III SEMESTER END EXAMINATION – OCTOBER 2017

COMMUNICATION AND SOFT SKILLS

Time: 3 hrs.

Max.Marks: 50

UNIT I – PRESENTATION SKILLS

- I Answer any ONE Essay of the following 1x6=6M
1. Write a dialogue between two friends about the importance of learning English.
  2. Compose a Welcome Speech on the occasion of Silver Jubilee of your College.
- II a) Punctuate the following: 1x4=4M
3. do you know me  
Sorry i don't  
but i do  
how please  
do you remember your train journey on 21<sup>st</sup> June  
Oh yes Mr. daniel  
exactly.
- b) Vocabulary
4. Give Antonyms for the following: 4x1=4M
    - i) Bravery x
    - ii) Carnal x
  5. c) Give Synonyms:
    - iii) Hazardous =
    - iv) Brief =

UNIT II – BODY LANGUAGE

- III a) Answer any ONE essay of the following in not less than 300 words. 1x6=6M
6. Give the meaning of Body language and explain various types of gestures.
  7. Elucidate various elements of Body Language.
- b) Write a "Short note" on any ONE of the following: 1x3=3M
8. Clothing and accessories
  9. Thumb Gestures.

P.T.O.

### UNIT III – TEAM-DYNAMICS

- IV a) Answer any ONE essay of the following in not less than 300 words. 1x6=6M
10. What are the tips for Effective Team-work skills and explain Ground Rules for Team.
  11. Write about the Importance of Communication in Team Building, and explain How to build trust in Team-work?
- b) Write a “Short-note” on any ONE of the following: 1x3=3M
12. Types of Teams.
  13. Tips for building trust in Teams.

### UNIT IV – GROUP DISCUSSION

- Va) Answer any ONE essay of the following: 1x6=6M
14. Conduct a Group Discussion on “Importance of Communication Skills”.
  15. Conduct a group discussion among 5 members on “Education for women’ is boon or bane.
- b) Write a “Short note” on any “ONE” of the following: 1x3=3M
16. Any 4 Do’s and Don’ts in Group Discussion.
  17. Exchange of thoughts.

### UNIT V – INTERVIEW SKILLS

- VI a) Answer any “ONE” Essay of the following: 1x6=6M
18. Conduct an Interview for the Position as an Employee in any Software Company.
  19. Prepare atleast 10 Suitable Questions for the post of “Assistant Manager”?
- b) Write a Short note on any ONE of the following: 1x3=3M
20. How to prepare for an Interview?
  21. Do’s and Don’ts in Interview.

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SUBJECT CODE: VCLP-2A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU II

B.Sc.VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

CLINICAL LABORATORY PRACTICES

Time: 3 hrs.

Max.Marks: 50

SECTION - I

I Answer any FOUR of the following Essays. 4x10=40M

1. How do the following items are maintained in the laboratory.  
a) Accession list    b) Worksheet    c) Data management
2. Discuss about SOP and add a note on its types.
3. What is Qualitycontrol. Discuss about internal quality control and add a note on 1 QC for Quantitative tests.
4. Give an account of principles of Ethical code of conduct.
5. Write about Biosafety level 2 and level 4 laboratories and add a note on Biosafety practices to be followed.
6. What are the different methods used for specimen collection.

II Record

10M

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PAPER CODE: VCLP-2A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

II B.Sc.VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL LABORATORY PRACTICE

Time: 3 hrs.

Max.Marks:50

I Answer any FOUR of the following Questions: 4x10=40M

1. Describe about Primary, Secondary and Tertiary levels of Laboratories.  
Add a note on Specific disease reference Laboratories.
2. Write about Bio safety Pre cautions and Bio safety level - 1
3. What is SOP? Write in detail about SOP in the laboratory.
4. How should be a specimen must be Collected, transported and stored before  
It is analysed?
5. Discuss about Analytical and Post Analytical Quality control.
6. Write in detail on Bio-medical waste – Management.

II Record.

10M

PAPER CODE: VIMM-2B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
II B.Sc.VOCATIONAL – IV SEMESTER END EXAMINATION – MARCH 2016  
IMMUNOLOGY

Time: 3 hrs.

Max.Marks: 40

I Answer FOUR of the following Questions: 4x10=40

1. Define Immunity and explain different kinds of Immunity.
2. Write a brief notes on Immunoglobulins.
3. Explain in detail precipitation, agglutination and Immunofluorescence reactions.
4. Give an account on Immunoenzyme assays and complement fixation test.
5. Define Immune System and write notes on primary lymphoid organs of the Immune System.
6. Explain the types, sources and modes of transmission of infection.

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PAPER CODE: VPHT-1B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
I B.Sc.VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016  
POST HARVEST TECHNOLOGY

Time: 3 hrs.

Max.Marks: 40

NOTE: Answer any FOUR of the following questions.

Draw labeled diagrams wherever necessary.

4x10=40

1. Explain various methods of preservation of Fish.
2. Give an account on the different by products of Fishes and their uses.
3. Write about the marketing types and their management in fishing industry.
4. Explain the role of Fisheries Sector in India.
5. Write about the quality control measures undertaken during exportation of Fish and Prawn products.
6. Write about various state and Central Government institutes of their role in Fisheries development.

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PAPER CODE: VBIO-1B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
I B.Sc. VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016  
BIOCHEMISTRY

Time: 3 hrs.

Max.Marks: 40

Answer any FOUR of the following:

4x10=40

1. Define enzyme and write the classification of enzymes.
2. Explain in detail about principle and application of chromatography.
3. Write the out lines of Ureacycle.
4. Give an account of Serum lipo proteins in normal and diseased conditions.
5. Describe the functions of Liver and write about Liver Function tests.
6. Write about the composition of Gastric Juice and explain about the Gastric Stimulants.

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PAPER CODE: VACM-1B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
I B.Sc. VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016  
AQUACULTURE MANAGEMENT

Time: 3 hrs.

Max.Marks: 40

I Answer any FOUR of the following. Draw a suitable neat Labelled diagram wherever Necessary. 4x10=40

1. What are the Craft used in Fresh water Fishery.
2. Give an account of the design and construction of Nursery Ponds.
3. Give an account of the general biology and Fishery of Lobster.
4. Write an essay on integrated Aqua farming.
5. Describe in detail about the supplementary feeds and their application in Fresh Water Fish Culture.
6. Describe the diseases caused by Crustaceans and protozoans in Fresh fishes and their Control methods.

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PAPER CODE: VCS-2B

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU.  
II B.Sc. VOCATIONAL – II SEMESTER END EXAMINATION – MARCH 2016

CLINICAL AND AQUA LAB TECHNOLOGY  
COMPUTER SKILLS FOR CLINICAL SCIENCES  
MS OFFICE II & INTERNET SKILLS

Time: 3 hrs.

Max.Marks: 50

1. Prepare a Student Marks List in MS-Excel.
2. Prepare a Employee Joining form in Excel.
3. Create a Database of Students in a class.
4. Convert a pdf file to Word document.
5. Download videos without using Software.
6. Create an E-Mail ID.

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PAPER CODE: VHP-2A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

II B.Sc.VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL AND AQUA LAB TECHNOLOGY

HUMAN PHYSIOLOGY

Time: 3 hrs.

Max.Marks:50

I Answer any FOUR of the following:

4x10=40M

1. Define digestion. Explain the digestion of carbohydrates and proteins in different parts of alimentary canal.
2. Write an essay on transport of O<sub>2</sub> and CO<sub>2</sub> through the blood.
3. Give an account of physiology of Urine formation.
4. Describe the phases of menstrual cycle and the role of hormones in menstrual cycle.
5. Write an essay on conduction of nerve impulse and synaptic transmission.
6. Write about the structure, hormonal functions and disorders of pituitary gland.

II Practical Record.

10M

PAPER CODE:VHA-1A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

II B.Sc. VOCATIONAL – III SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL AND AQUA LAB TECHNOLOGY

HUMAN ANATOMY

Time: 3 hrs.

Max.Marks:50

I Answer any FOUR of the following questions:

4x10=40M

1. Explain Axial Skeleton in Man
2. Explain the digestive system in Man
3. Describe the gross structure of lungs.
4. Write about structure and function of kidney?
5. Give an account of ABO System of blood groups..
6. Draw the structure of heart and explain through its structure and function?

II Record.

10M

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SUBJECT CODE: VBC-3A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU

III B.Sc. VOCATIONAL – V SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

BIOCHEMISTRY-II

Time: 3 hrs.

Max.Marks: 50

I Answer any FOUR of the following Essays.

4x10=40M

1. Explain in detail the Chemistry and functions of Co-enzymes and Co-factors with examples.
2. Define a Protein and write an essay on various levels in protein Structure.
3. Perform DAM method with the given plasma sample and report.
4. Define a lipid and elaborate the process of phospholipid biosynthesis.
5. Explain in detail various kidney function tests and their applications.
6. Elaborate the process of gastric analysis.

Record:

10M

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SUBJECT CODE: VHM-3A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU

III B.Sc. VOCATIONAL – V SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

HEMOTOLOGY

Time: 3 hrs.

Max.Marks: 50

- I Answer any FOUR of the following Essays. 4x10=40M
1. Write an Essay on Anticoagulants used in haematology.
  2. Estimate the amount of Haemoglobin present in the test Sample.
  3. Define Coomb's test? Difference between direct method and Indirect method of Coomb's test.
  4. Screening blood for infective material? Along with its preservation.
  5. Explain indetailed about stains used in haematology labs?
  6. How can you investigate haemolytic anaemia along with its blood Smear Preparation.

Record

10M

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SUBJECT CODE: VIMM-3A

CH.S.D.ST. THERESA'S AUTONOMOUS COLLEGE FOR WOMEN: ELURU

III B.Sc. VOCATIONAL -V SEMESTER END EXAMINATION –

OCTOBER 2017

CLINICAL AND AQUA LAB TECHNOLOGY

IMMUNOLOGY

Time: 3 hrs.

Max.Marks: 50

SECTION – I

I Answer any FOUR of the following:

4x10=40M

1. What is Acquired immunity. Explain it in detail.
2. Describe the basic structure of an Immunoglobulin.
3. “ELISA is used to detect Antigen and Antibody” Explain.
4. Explain in detail about secondary lymphoid organs.
5. Write an essay on modes of transmission of diseases.
6. What is phagocytosis? Explain the mechanism in detail.

II Record

10M

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PAPER CODE: VPAT-3A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

III B.Sc.VOCATIONAL – V SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL AND AQUA LAB TECHNOLOGY

PATHOLOGY-II

Time: 3 hrs.

Max.Marks:50

Answer any FOUR of the following:

4x10 =40M

1. Define flow cytometry and explain the process and applications of it with the help of diagram.
2. What is Immuno-Histochemistry and write a note on its applications in the field of Medicine.
3. Describe Sudan black, congared and AFB stainings.
4. Define cryosat and write the operation of Cryostat to produce Cryostat sections.
5. What is Immuno cytochemistry and explain PAP Technique.
6. Describe the Frozen Section Technique.

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PAPER CODE: VIMM-3A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

III B.Sc.VOCATIONAL – V SEMESTER END EXAMINATION –

OCTOBER 2016

CLINICAL AND AQUA LAB TECHNOLOGY

IMMUNOLOGY-II

Time: 3 hrs.

Max.Marks:50

I Answer any FOUR of the following questions: 4x10 =40M

1. Describe about the process of collection and anticoagulants used in coagulation studies.
2. Discuss in detail about Immune complex Mediated Hypersensitivity.
3. What is immuno deficiency? Describe the types of immuno deficiency.
4. Define Autoimmune disease? Describe any three autoimmune diseases.
5. Give an account on Cell mediated Delayed Hypersensitivity.
6. Explain in detail about bleeding time and clotting time.

II Record

10M

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PAPER CODE: VMIC-3A

CH.S.D.ST.THERESA'S AUTONOMOUS COLLEGE FOR WOMEN:ELURU

III B.Sc. VOCATIONAL – V SEMESTER END EXAMINATION –

OCTOBER 2016

MICROBIOLOGY-II

Time: 3 hrs.

Max.Marks:50

I Answer any FOUR of the following.

4x10=40

1. Write an essay on HIV-AIDS.
2. Write an essay on DNA Viruses.
3. Mention any Five disease causing Fungi and their affects.
4. Write an essay on Mode of infection, various stages, Symptoms and prophylaxis of Entamoeba histolytica.
5. Describe Life history of Wuchereria bancrofti and its pathogenesis.
6. Give an account on the following.
  - a) Trichomonas Vaginalis
  - b) Malarial parasites.

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