

SIVA SIVANI DEGREE COLLEGE - KOMPALLY, SECUNDERABAD

B.Sc III DS A

<p>Date: 15/04/24 Day: MONDAY S/L Srikanth 3 Deep learning (Ashwini) 2</p>	<p>1) अंगुलि की अर्थ, परिभाषा और स्वरूप 2) अंगुलि के प्रकार 3) अंगुलि का महत्व और विशेषताएँ</p>	<p>1) सौंदर्यशास्त्र अमरक. 2.1 - ①, ② अमरक. 2.1 - ③, ④</p> <p>4) Explain Layers and Models in Neural Network. 5) Explain compile step in detail. in Neural Network.</p>
<p>Date: 16/04/24 Day: TUESDAY English (Shebin) 3 Stats (mamatha) 2</p>	<p>1) To what extent do you agree with the poet's views on the impact of television? Justify your answer. 2) Benefits and drawbacks of watching television and reading books. 3) Explain how failure can lead to self-knowledge and knowledge about others? 4) Explain about PCA, cluster analysis. 5) Derive PCA &amp; write its properties.</p>	
<p>Date: 17/04/24 Day: WEDNESDAY Deep learning (Ashwini)</p>	<p>1) Explain keras in detail in Neural Network. 2) Explain Tensorflow, Theano and CNTK in detail. 3) Explain the differences between keras, tensorflow, Theano and CNTK. 4) Explain in detail RNN with neat diagrams. 5) Explain LSTM and GRU Layers in detail with neat diagrams.</p>	

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<p>Date: 18/04/24 Day: THURSDAY Stats (mamatha)</p>	<p>1) Define multi Dimensional Scaling. 2) Explain about factor analysis. 3) Explain maximum likelihood Discriminant analysis. 4) write Bayesian approaches formula in Discriminant analysis. 5) Explain multinomial distribution &amp; its properties.</p>
<p>Date: 12/04/24 Day: FRIDAY maths (Krishna Reddy)</p>	<p>1) 2) 3) In class 4) 5)</p>
<p>Date: 13/04/24 Day: SATURDAY Maths (Krishna Reddy)</p>	<p>1) 2) 3) In class 4) 5)</p>

SIVA SIVANI DEGREE COLLEGE - KOMPALLY, SECUNDERABAD

B.Sc III DS B

<p>Date: 15/04/24                  Day: MONDAY                  Medhs (K. Mohan) 2                  S/L Anil 3</p>	<p>1) Find the equation of the sphere through four points <math>(4, -1, 2)</math> <math>(0, -2, 3)</math> <math>(1, -5, -1)</math> <math>(2, 0, 1)</math>                  2) Obtain the sphere having its centre on the line <math>5y + 2z = 0 = 2x - 3y</math> &amp; passing through <math>(0, -2, -4)</math> <math>(2, -1, -1)</math>                  3) <math>\overline{412041}</math> <math>\overline{211212}</math>.                  4) <math>\overline{312121}</math>: (1) &amp; (2)                  5) <math>\overline{312121}</math>: (3) &amp; (4)</p> <p>1. अनुवाद के अर्थ, परिभाषा और अर्थ                  2) अनुवाद के प्रकार                  3) अनुवाद का मूल और विशेषताएँ</p>
<p>Date: 16/04/24                  Day: TUESDAY                  English (Shebin) 2                  Stats (mamatha) 3</p>	<p>1) Explain how failure can lead to self-knowledge and knowledge about others?                  2) Describe benefits and drawbacks of watching television and reading books.                  3) Explain about PCA, cluster analysis                  4) Derive PCA &amp; write its properties.                  5) Define multidimensional scaling.</p>
<p>Date: 17/04/24                  Day: WEDNESDAY                  Deep learning (Sathya) 2</p>	<p>1) What is the anatomy of NN. Explain layers in detail                  2) Explain model in NN                  3) Explain compile() and fit() methods in detail                  4) Explain batch, minibatch, stochastic GD                  5) Explain chain rule of Backpropagation algorithm</p>

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## B.Sc III DS B

<p>Date: 18/04/24</p> <p>Day: THURSDAY</p> <p>Maths (K. Mohan)</p>	<ol style="list-style-type: none"> <li>1) A sphere of a constant radius <math>2k</math> passes through the origin meets the axes in <math>A, B, C</math>. Find the locus of the centroid of the tetrahedron</li> <li>2) S.T the points <math>(-8, 5, 2)</math> <math>(-5, 2, 2)</math> <math>(-7, 6, 6)</math> <math>(-4, 3, 6)</math> are concyclic</li> <li>3) A sphere whose centre lies in +ve octant passing through the origin cuts the planes <math>x=0, y=0, z=0</math> in circles of radii <math>a\sqrt{2}, b\sqrt{2}, c\sqrt{2}</math> respectively. S.T its eqn is <math>x^2 + y^2 + z^2 - 2x\sqrt{b^2 + c^2 - a^2} - 2y\sqrt{c^2 + a^2 - b^2} - 2z\sqrt{a^2 + b^2 - c^2} = 0</math></li> <li>4) A sphere of constant radius <math>k</math> passes through origin &amp; cuts the axes in <math>A, B, C</math> find the locus of centroid of <math>\triangle ABC</math>.</li> <li>5) Find the centre &amp; radius of circle <math>x^2 + y^2 + z^2 = 15, x^2 + y^2 + z^2 - 2y - 4z = 11</math></li> </ol>
<p>Date: 12/04/24</p> <p>Day: FRIDAY</p> <p>Deep learning (Satyakala)</p>	<ol style="list-style-type: none"> <li>1) Explain gradient based optimization</li> <li>2) Explain SGD with and without momentum</li> <li>3) Explain derivative, partial derivative, local and global minima</li> <li>4) Explain RNN in detail</li> <li>5) Explain LSTM and GRU in detail.</li> </ol>
<p>Date: 13/04/24</p> <p>Day: SATURDAY</p> <p>stats (mamatha)</p>	<ol style="list-style-type: none"> <li>1) Explain about factor analysis.</li> <li>2) Explain maximum likely discriminant analysis.</li> <li>3) write Bayesian approached formula in discriminant analysis.</li> <li>4) Explain multinomial distribution &amp; its properties</li> <li>5) Explain multinomial distribution &amp; its properties</li> </ol>

SIVA SIVANI DEGREE COLLEGE - KOMPALLY, SECUNDERABAD

B.Sc III R

<p>Date: 15/04/24</p> <p>Day: MONDAY</p> <p>web Tech (pavan)</p>	<ol style="list-style-type: none"> <li>1) Explain about presentational Elements in detail.</li> <li>2) Define List? Explain the types of Lists in HTML. with Example</li> <li>3) Explain in detail about Table with Example.</li> <li>4) Explain about frame? Explain working of frames with Example</li> <li>5) Explain about forms &amp; different types of Form Controls.</li> </ol>
<p>Date: 16/04/24</p> <p>Day: TUESDAY</p> <p>stats (D.Srinivas)</p>	<ol style="list-style-type: none"> <li>1) Define ANOVA for one way classifications. write its Analysis.</li> <li>2) Define ANOVA. write Cochran's theorem. what is Gauss markoff linear model</li> <li>3) Define ANOVA for two-way classifications. write its Analysis.</li> <li>4) Define (i) Experiment (ii) Experimental unit (iii) Yield (iv) precision (v) Efficiency of Design.</li> <li>5) What are the Basic principles of experimental Design.</li> </ol>
<p>Date: 17/04/24</p> <p>Day: WEDNESDAY</p> <p>Maths (PSR) 3</p> <p>web Tech (pavan) 2</p>	<ol style="list-style-type: none"> <li>1)</li> <li>2) In class</li> <li>3)</li> <li>4) Define HTML &amp; Features. Explain HTML vs XHTML.</li> <li>5) write about headings &amp; image tags with Example.</li> </ol>

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B.Sc III R

<p>Date: 18/04/24 Day: THURSDAY S/L (omprakash)2 Eng (C. Srishta)3</p>	<p>1) आनुवंशिकता का अर्थ, परिभाषा और उदाहरण 2) आनुवंशिकता के प्रकार 3) Describe the benefits &amp; drawbacks of watching television and reading books? 4) To what extent do you agree with the poet's views on the impact of television, justify your answer? 5) Explain how failure leads to self-knowledge and knowledge about others</p>	<p>1. प्रतिपदार्थ :- 1, 2. 2. प्रतिपदार्थ :- 3, 4 3. प्रतिपदार्थ :- 5, 6</p>
<p>Date: 12/04/24 Day: FRIDAY Maths (PSR)</p>	<p>1) 2) In class 3) 4) 5)</p>	
<p>Date: 13/04/24 Day: SATURDAY Stats (D. Srinivas)</p>	<p>1) Define C.R.D. write its Applications, Advantages, Disadvantages &amp; Examples 2) write Statistical Analysis of C-R-D. 3) write missing value in C-R-D. 4) Define R-B-D write its Lay out, Advantages, Disadvantages. 5) write Statistical Analysis of R-B-D.</p>	



# SIVA SIVANI DEGREE COLLEGE - KOMPALLY, SECUNDERABAD

## B.Sc III CVR

<p>Date: 15/04/24</p> <p>Day: MONDAY</p> <p>WebTech (Madhusudhan)</p>	<ol style="list-style-type: none"> <li>1) What is List? Explain Various types of Lists in html?</li> <li>2) What is Table? Explain different attributes in table tag with example?</li> <li>3) Why Frames are Used in HTML? How to create Vertical and horizontal frames?</li> <li>4) Explain Various Formatting Tags? Explain?</li> <li>5) What is CSS? Explain types of CSS with example?</li> </ol>
<p>Date: 16/04/24</p> <p>Day: TUESDAY</p> <p>Maths (Sandhya)</p>	<ol style="list-style-type: none"> <li>1) Find the eq to the lines in which the plane <math>2x+y-z=0</math> cuts the cone <math>x^2+y^2+3z^2=0</math></li> <li>2) Find the angle b/w the lines of intersection of <math>10x+7y-6z=0</math> &amp; <math>20x^2+7y^2-10z^2=0</math></li> <li>3) Find the eq of the cone whose vertex is <math>A(1,2,3)</math> &amp; guiding curve is the circle <math>x^2+y^2+z^2=4, x+y+z=1</math></li> <li>4) pt <math>(2,2,1)</math> <math>17x^2+2y^2+7z^2-10yz-10z^2+2x+2y+26z-17=0</math> represents a cone with vertex at <math>(2,2,1)</math></li> <li>5) Find the angle b/w the lines of intersection of the plane <math>3x+y+5z=0</math> &amp; the cone <math>64z^2-22x+57y=0</math></li> </ol>
<p>Date: 17/04/24</p> <p>Day: WEDNESDAY</p> <p>webTech (Madhusudhan)</p>	<ol style="list-style-type: none"> <li>1) What is the difference b/w client side and serverside scripting?</li> <li>2) List and explain some important math functions in JavaScript</li> <li>3) What are the various operators available in JavaScript</li> <li>4) Explain the various Conditional Control Structure in JavaScript</li> <li>5) Explain the various Looping Statements in JavaScript</li> </ol>

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B.Sc III CVR

<p>Date: 18/02/24                  Day: THURSDAY                  SL (Anil) 3                  Ele / stats                  (praveen / mamatha) 2</p>	<p>1) <math>\overline{1212}</math> : <math>\overline{1212}</math>                  2) <math>\overline{1212}</math> : ① ④                  3) <math>\overline{1212}</math> : ③ ④                  4) Explain various problems involved in construction of index numbers.                  5) Explain about CBI, FBI &amp; write its differences and also explain base shifting.</p>	<p>1. <math>\overline{1212}</math> का अर्थ, पीछाया और अक्षर                  2. <math>\overline{1212}</math> का प्रकार                  3) <math>\overline{1212}</math> का अर्थ और विशेषता                  ④ Explain Datatransfer Instructions (Etc)                  ⑤ Explain Arithmetic Instructions (Etc)</p>
<p>Date: 12/04/24                  Day: FRIDAY                  Ele / stats (praveen /                  D. srinivas)</p>	<p>1) Define ANOVA for one way write its Analysis                  2) Define ANOVA for Two-way. write its Analysis                  3) Define ANOVA state chochran's theorem. write Gaussmarkoff linear model                  4) what are Basic principles of Experimental Design's                  5) Define CRD. write Adv &amp; Dis Adv with Examples.</p>	<p>① Explain Logical instructions?                  ② Explain single bit &amp; Jump Instruction                  ③ Explain Addressing modes.                  ④ Write a Programs (Addition, subtraction multiplication &amp; division)                  ⑤ Write a Program to find largest &amp; smallest</p>
<p>Date: 13/04/24                  Day: SATURDAY                  Maths (Sondhya) 2                  English (Shebin) 3</p>	<p>1) Find the eq of the right circular cone with its vertex at the origin, axis along z-axis &amp; semi vertical angle <math>\alpha</math>.                  2) Plt the tangent planes to the cone <math>x^2 - y^2 + 2z^2 - 3yz + 4zx - 5xy = 0</math> on its generators of the cone <math>17x^2 + 8y^2 + 29z^2 + 28yz - 46zx - 16xy = 0</math>                  3) To what extent do you agree with the poet's views on the impact of television? Justify your answer.                  4) What according to Rowling, is failure and what are its benefits?                  5) Effect of reading books on children?</p>	



SIVA SIVANI DEGREE COLLEGE - KOMPALLY, SECUNDERABAD

B.Sc III NUT

<p>Date: 15/04/24                      Day : MONDAY                      English (David) -3  <del>Chemistry (Jyothirmai)</del>                      Botany (Harika) 2</p>	<ol style="list-style-type: none"> <li>1) Structure of RNA, Explain the structure &amp; function of DNA with labelled diagram.</li> <li>2) What is genetic code? Add a note on characteristics of genetic code?</li> <li>3) Discuss the <u>mech.</u> of transcription initiation in prokaryotes?</li> <li>4) Explain the concept operon theory? Discuss the catabolic repression of Lac operon</li> <li>5) Define the gene regulation? Discuss the elongation phase of prokaryotic translation?</li> </ol>
<p>Date: 16/04/24                      Day : TUESDAY                      English (David) -3                      Chemistry (Jyothirmai) 2</p>	<ol style="list-style-type: none"> <li>1) How according to Adichie are gender roles invented and perpetuated?</li> <li>2) Describe the Central Idea of the <del>poem</del> poem with appropriate examples.</li> <li>3) Explain the difference between chronological and functional CV's</li> <li>4) Classify &amp; Explain Diseases.</li> <li>5) Write synthesis &amp; therapeutic uses of Paracetamol, Aspirin &amp; Cis-platin</li> </ol>
<p>Date: 17/04/24                      Day: WEDNESDAY                      Chemistry (Jyothirmai)</p>	<ol style="list-style-type: none"> <li>1) Explain Adsorption process</li> <li>2) Explain Distribution process.</li> <li>3) Explain factors effecting <u>mech.</u> of enzyme action</li> <li>4) Write synthesis &amp; therapeutic uses of Isoniazid, Ibuprofen &amp; Dapsone</li> <li>5) Explain vit A &amp; D.</li> </ol>

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<p>Date: 18/04/24 Day: THURSDAY Appl Nutri (D. Maunika)</p>	<p>1) Explain food adulteration / types health hazards, detection of (Common food adulterants) 2) FSSAI 3) AGMARK 4) Explain national &amp; International standards 5) Codex Alimentarius</p>
<p>Date: 12/04/24 Day: FRIDAY Appl Nut (D. Maunika) 3 Chemistry (Jyothi Varma) 2</p>	<p>1) Explain PFA Act 2) what are food standards and food laws in India 3) Explain the methods to detect hazards and control them (Explain HACCP) 4) Explain routes of administration of drugs. 5) Write synthesis &amp; therapeutic uses of Sulphanilamide, Allyl isonicotinamide &amp; Penicillin-G</p>
<p>Date: 13/04/24 Day: SATURDAY S/L Sorikenth 3 Botany (A. Srikanth) 2</p>	<p>1) <math>\frac{1}{2} \times 2 = 1</math> 2) <math>\frac{3}{4} \times 12 = 9, 2</math> 3) <math>\frac{3}{4} \times 2 = 1.5, 4</math> 4) What is meant by Inducible operon? Explain various types of RNA involved in translation? 5) Discuss the mechanism of m-RNA editing by inversion &amp; deamination</p>