



**KONGU ARTS AND SCIENCE COLLEGE, ERODE - 638 107**

**(AUTONOMOUS)**

**B.Sc BIOCHEMISTRY**



(For the Candidates admitted during the Academic Year 2020 – 2021 and onwards)

**SCHEME OF EXAMINATION – CBCS PATTERN**

| Part               | Course Code                           | Course Title   | Inst. Hrs /Week | T/P | Examination Details |     |     |             | Credits   |
|--------------------|---------------------------------------|--|-----------------|-----|---------------------|-----|-----|-------------|-----------|
|                    |                                       |  |                 |     | Duration in Hours.  | CIA | ESE | Total Marks |           |
| <b>SEMESTER I</b>  |                                       |  |                 |     |                     |     |     |             |           |
| I                  | 20T01 / 20H01 / 20F01 / 20S01 / 20M01 | Language - I   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| II                 | 20E01                                 | English - I  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                | 20UAPCT101                            | Core Paper I - Chemistry of Biomolecules                   | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
|                    | 20UAPCT102                            | Core Paper II - Cell Biology and Genetics                  | 4               | T   | 3                   | 25  | 75  | 100         | 3         |
|                    | -                                     | Core Biochemistry Practicals - I                           | 2               | P   | -                   | -   | -   | -           | -         |
|                    | 20UAPAT103                            | Allied I: Chemistry - I                                    | 4               | T   | 3                   | 20  | 55  | 75          | 3         |
|                    | -                                     | Allied Practicals I: Chemistry Practicals                  | 2               | P   | -                   | -   | -   | -           | -         |
| IV                 | 20ESOT01                              | Foundation Course I: Environmental Studies # (Online Test) | 2               | T   | 1                   | -   | 50  | 50          | 2         |
| <b>Total</b>       |                                       |  | <b>30</b>       |     |                     |     |     | <b>525</b>  | <b>20</b> |
| <b>SEMESTER II</b> |                                       |  |                 |     |                     |     |     |             |           |
| I                  | 20T02 / 20H02 / 20F02 / 20S02 / 20M02 | Language - II  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| II                 | 20E02                                 | English - II   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                | 20UAPCT201                            | Core Paper III - Tools and Techniques in Biochemistry      | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
|                    | 20UAPCP202                            | Core Biochemistry Practicals - I                           | 3               | P   | 3                   | 30  | 45  | 75          | 3         |
|                    | 20UAPAT203                            | Allied II: Chemistry - II                                  | 4               | T   | 3                   | 20  | 55  | 75          | 3         |
|                    | 20UAPAP204                            | Allied Practicals I: Chemistry Practicals                  | 3               | P   | 3                   | 20  | 30  | 50          | 2         |
| IV                 | 20VEOT01                              | Foundation Course II: Value Education #(Online Test)       | 2               | T   | 1                   | -   | 50  | 50          | 2         |
| <b>Total</b>       |                                       |  | <b>30</b>       |     |                     |     |     | <b>550</b>  | <b>22</b> |

| Part                | Course Code                           | Course Title  | Inst. Hrs /Week | T/P | Examination Details |     |     |             | Credits |
|---------------------|---------------------------------------|---|-----------------|-----|---------------------|-----|-----|-------------|---------|
|                     |                                       |   |                 |     | Duration in Hours.  | CIA | ESE | Total Marks |         |
| <b>SEMESTER III</b> |                                       |   |                 |     |                     |     |     |             |         |
| I                   | 20T03 / 20H03 / 20F03 / 20S03 / 20M03 | Language - III  | 6               | T   | 3                   | 25  | 75  | 100         | 4       |
| II                  | 20E03                                 | English - III   | 6               | T   | 3                   | 25  | 75  | 100         | 4       |
| III                 | 20UAPCT301                            | Core Paper IV - Enzyme and Enzyme Technology                  | 4               | T   | 3                   | 25  | 75  | 100         | 4       |
|                     | 20UAPCT302                            | Core Paper V - Fundamentals of Microbiology                   | 3               | T   | 3                   | 25  | 75  | 100         | 3       |
|                     | -                                     | Core Biochemistry Practicals - II                             | 2               | P   | -                   | -   | -   | -           | -       |
|                     | 20UAPAT303                            | Allied III: Biomathematics                                    | 4               | T   | 3                   | 20  | 55  | 75          | 3       |
| IV                  | 20UAPST304                            | Skill Based Course I - Medical Coding                         | 3               | T   | 3                   | 20  | 55  | 75          | 3       |
|                     | 20BT01                                | Basic Tamil @   | 2               | T   | -                   | 75  | -   | 75          | 2       |
|                     | 20AT01                                | Advanced Tamil #  |                 |     | 3                   | -   | 75  |             |         |
|                     | 20UAPNT305                            | Non - Major Elective I - Public Health and Hygiene*           |                 |     | 3                   | -   | 75  |             |         |
| <b>Total</b>        |                                       |   |                 |     | <b>30</b>           |     |     |             |         |
| <b>SEMESTER IV</b>  |                                       |   |                 |     |                     |     |     |             |         |
| I                   | 20T04 / 20H04 / 20F04 / 20S04 / 20M04 | Language - IV   | 6               | T   | 3                   | 25  | 75  | 100         | 4       |
| II                  | 20E04                                 | English - IV  | 6               | T   | 3                   | 25  | 75  | 100         | 4       |
| III                 | 20UAPCT401                            | Core Paper VI - Intermediary Metabolism                       | 4               | T   | 3                   | 25  | 75  | 100         | 5       |
|                     | 20UAPCP402                            | Core Biochemistry Practicals - II                             | 3               | P   | 6                   | 30  | 45  | 75          | 3       |
|                     | 20UAPAT403                            | Allied IV: Computer and Information Technology                | 4               | T   | 3                   | 20  | 55  | 75          | 3       |
|                     | 20UAPAP404                            | Allied Practicals II: Computer and Information Technology Lab | 2               | P   | 3                   | 20  | 30  | 50          | 2       |
| IV                  | 20UAPST405                            | Skill Based Course II: Nanotechnology and Clinical trials     | 3               | T   | 3                   | 20  | 55  | 75          | 3       |
|                     | 20BT02                                | Basic Tamil @   | 2               | T   | -                   | 75  | -   | 75          | 2       |
|                     | 20AT02                                | Advanced Tamil #  |                 |     | 3                   | -   | 75  |             |         |
|                     | 20UAPNT406                            | Non - Major Elective II - Nutrition and Diet Therapy*         |                 |     | 3                   | -   | 75  |             |         |
| <b>Total</b>        |                                       |   |                 |     | <b>30</b>           |     |     |             |         |

@ Only Continuous Internal Assessment; # Only End Semester Examination; \* Offered to other Programmes

| Part               | Course Code  | Course Title  | Inst. Hrs /Week | T/P     | Examination Details |     |     |             | Credits    |
|--------------------|--|---|-----------------|---------|---------------------|-----|-----|-------------|------------|
|                    |  |   |                 |         | Duration in Hours.  | CIA | ESE | Total Marks |            |
| <b>SEMESTER V</b>  |  |   |                 |         |                     |     |     |             |            |
| III                | 20UAPCT501   | Core Paper VII - Human Physiology and Endocrinology   | 5               | T       | 3                   | 25  | 75  | 100         | 4          |
|                    | 20UAPCT502   | Core Paper VIII - Clinical Biochemistry   | 5               | T       | 3                   | 25  | 75  | 100         | 4          |
|                    | 20UAPCT503   | Core Paper IX - Molecular Biology   | 5               | T       | 3                   | 25  | 75  | 100         | 4          |
|                    | 20UAPCP504   | Core Biochemistry Practicals - III  | 5               | P       | 3                   | 30  | 45  | 75          | 3          |
|                    | -  | Core Biochemistry Practicals - IV   | 3               | P       | -                   | -   | -   | -           | -          |
|                    | 20UAPET505 /<br>20UAPET506 /<br>20UAPET507   | Elective I  | 4               | T       | 3                   | 25  | 75  | 100         | 4          |
| IV                 | 20UAPST508   | Skill Based Course III - Clinical Nutrition   | 3               | T       | 3                   | 20  | 55  | 75          | 3          |
|                    | 20UAPIT01  | Institutional Training*   | Grading System  |         |                     |     |     |             |            |
| <b>Total</b>       |  |   | <b>30</b>       |         |                     |     |     | <b>550</b>  | <b>22</b>  |
| <b>SEMESTER VI</b> |  |   |                 |         |                     |     |     |             |            |
| I                  | 20UAPCT601   | Core Paper X - Medicinal Biochemistry   | 5               | T       | 3                   | 25  | 75  | 100         | 4          |
| II                 | 20UAPCT602   | Core Paper XI - Plant Biochemistry and Plant Therapeutics   | 5               | T       | 3                   | 25  | 75  | 100         | 4          |
| III                | 20UAPCT603   | Core Paper XII - Immunology   | 4               | T       | 3                   | 25  | 75  | 100         | 4          |
|                    | 20UAPCP604   | Core Biochemistry Practicals - IV   | 5               | P       | 6                   | 30  | 45  | 75          | 3          |
|                    | 20UAPEP605 /<br>20UAPET606 /<br>20UAPET607   | Elective II   | 4               | P/<br>T | 3                   | 40  | 60  | 100         | 4          |
|                    | 20UAPET608 /<br>20UAPET609 /<br>20UAPEV610   | Elective III  | 4               | V/<br>T | 3                   | 25  | 75  | 100         | 4          |
| IV                 | 20UAPST611   | Skill Based Course IV - Bioinformatics  | 3               | T       | 3                   | 20  | 55  | 75          | 3          |
| V                  | 20NSS01 / 20 NCC01 /<br>20YRC01 / 20 RRC01 /<br>20ECO01 / 20ETH01 /<br>20SC01/ 20PHD01 | Extension Activities - NSS / NCC / YRC / RRC / ECO CLUB / ETHCS CLUB / SCIENCE FORUM / PHYSICAL EDUCATION @ | -               | -       | -                   | 50  | -   | 50          | 1          |
| <b>Total</b>       |  |   | <b>30</b>       |         |                     |     |     | <b>700</b>  | <b>27</b>  |
| <b>TOTAL</b>       |  |   | <b>180</b>      |         |                     |     |     | <b>3600</b> | <b>140</b> |

\***Institutional Training:** Students have to undergo Institutional Training during May - June for a period of 21 days and the report of the same to be submitted.



**KONGU ARTS AND SCIENCE COLLEGE, ERODE - 638 107**  
**(AUTONOMOUS)**



**LIST OF ELECTIVE COURSES**

| <b>Course Code</b> | <b>List of Elective Courses<br/>(Students can choose any one of the papers as Elective)</b> |          |                                |
|--------------------|---|----------|--------------------------------|
| 20UAPET505         | Elective - I  | <b>A</b> | Microbial Genetics             |
| 20UAPET506         |   | <b>B</b> | Plant and Animal Biotechnology |
| 20UAPET507         |   | <b>C</b> | Genetic Engineering            |
| 20UAPEP605         | Elective - II   | <b>A</b> | Bioinformatics Practicals      |
| 20UAPET606         |   | <b>B</b> | Nanomaterials and Nanomedicine |
| 20UAPET607         |   | <b>C</b> | Health and Hygiene             |
| 20UAPET608         | Elective - III  | <b>A</b> | Diagnostic Biochemistry        |
| 20UAPET609         |   | <b>B</b> | Sports Biochemistry            |
| 20UAPEV610         |   | <b>C</b> | Project**                      |

\*\* Jointly evaluated by Internal and External Examiners.

**LIST OF ALLIED COURSES**

| <b>Course Code</b> | <b>Semester</b> | <b>Allied Courses</b>                   |
|--------------------|-----------------|---|
| 20UAPAT103         | I               | Chemistry - I                           |
| 20UAPAT203         | II              | Chemistry - II                          |
| 20UAPAP204         | II              | Chemistry Practicals                    |
| 20UAPAT303         | III             | Biomathematics                          |
| 20UAPAT403         | IV              | Computer and Information Technology     |
| 20UAPAP404         | IV              | Computer and Information Technology Lab |

**LIST OF SKILL BASED COURSES**

| <b>Course Code</b> | <b>Semester</b> | <b>Skill Based Courses</b>         |
|--------------------|-----------------|------------------------------------|
| 20UAPST304         | III             | Medical Coding                     |
| 20UAPST405         | IV              | Nanotechnology and Clinical trials |
| 20UAPST508         | V               | Clinical Nutrition                 |
| 20UAPST611         | VI              | Bioinformatics                     |



**KONGU ARTS AND SCIENCE COLLEGE, ERODE - 638 107**

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**LIST OF NON – MAJOR ELECTIVE COURSES**

**SEMESTER - III**

| <b>S. No</b> | <b>Course Code</b> | <b>Course Name</b>                     |
|--------------|--------------------|--|
| 1            | 20UAANT305         | Effective Business Communication       |
| 2            | 20UABNT307         | Fundamentals of Management             |
| 3            | 20UACNT306         | Customer Relationship Management       |
| 4            | 20UADNT306         | Basics of Commerce                     |
| 5            | 20UADNT307         | Business Organisation                  |
| 6            | 20UAENT307         | General Commercial Knowledge           |
| 7            | 20UAFNT307         | Company Law                            |
| 8            | 20UAGNT307         | Fundamentals of Accounting             |
| 9            | 20UAINNT307        | Communication in Business              |
| 10           | 20UAINNT407        | Principles of e-Commerce               |
| 11           | 20UAJNT306         | Web Designing using HTML               |
| 12           | 20UAKNT306         | Internet Principles                    |
| 13           | 20UALNT306         | Introduction to Information Technology |
| 14           | 20UAMNT306         | Fundamentals of Programming            |
| 15           | 20UANNT305         | Decision Making Techniques             |
| 16           | 20UAONT304         | Introduction to Electronics            |
| 17           | 20UAPNT305         | Public Health and Hygiene              |
| 18           | 20UAQNT305         | Basics of Human Health and Nutrition   |
| 19           | 20UARNT306         | Fundamentals of Textiles               |
| 20           | 20UATNT307         | Foundation Cookery                     |



**KONGU ARTS AND SCIENCE COLLEGE, ERODE - 638 107**

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**LIST OF NON – MAJOR ELECTIVE COURSES**

**SEMESTER – IV**

| <b>S. No</b> | <b>Course Code</b> | <b>Course Name</b>                   |
|--------------|--------------------|--------------------------------------|
| 1            | 20UAANT405         | Art of Corporate Communication       |
| 2            | 20UABNT407         | Marketing Management                 |
| 3            | 20UACNT407         | Retail Management                    |
| 4            | 20UADNT407         | Practical Banking                    |
| 5            | 20UADNT408         | Services Marketing                   |
| 6            | 20UAENT407         | Consumerism                          |
| 7            | 20UAFNT407         | Practical Banking                    |
| 8            | 20UAGNT407         | Practical Auditing                   |
| 9            | 20UAINNT407        | Principles of e-Commerce             |
| 10           | 20UAJNP407         | Web Designing Lab                    |
| 11           | 20UAKNT406         | Information Security and Cyber Laws  |
| 12           | 20UALNT406         | E-Commerce                           |
| 13           | 20UAMNT406         | Web Graphics                         |
| 14           | 20UANNT405         | Statistical Methods                  |
| 15           | 20UAONT405         | Electrical and Electronic Appliances |
| 16           | 20UAPNT406         | Nutrition and Diet Therapy           |
| 17           | 20UAQNT406         | Health Management and Fitness        |
| 18           | 20UARNT406         | Basics of Fashion Designing          |
| 19           | 20UATNT413         | Cookery                              |
|              |                    |                                      |



**KONGU ARTS AND SCIENCE COLLEGE, ERODE - 638 107**

**(AUTONOMOUS)**



**LIST OF ADVANCED LEARNERS COURSES**

**SEMESTER - IV**

| S. No | Course Code | Courses                                     |
|-------|-------------|---|
| 1.    | 20UAPAL407  | Biophysics                                  |
| 2.    | 20UAPAL408  | Phytochemistry and Phytochemical Techniques |

**SEMESTER - V**

| S. No | Course Code | Courses   |
|-------|-------------|---|
| 1.    | 20UAPAL509  | Cancer Biology                                    |
| 2.    | 20UAPAL510  | Entrepreneurship in Life Sciences and Health Care |

A handwritten signature in blue ink, appearing to read 'Dr. A. K. Vidya'.

**Dr. A. K. VIDYA**

**Chairman, Board of Studies**

**Department of Biochemistry**

**Kongu Arts and Science College**

**(Autonomous)**

**Nanjanapuram, Erode - 638 107.**



**KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS), ERODE – 638 107**  
**DEPARTMENT OF COSTUME DESIGN AND FASHION (UG)**

**B.Sc. CDF**

(For the candidates admitted during the academic year 2017 – 2018 and onwards)



**SCHEME OF EXAMINATION – CBCS PATTERN**

| Part                | Course Code                       | Course Title   | Inst. Hrs /Week | T/P | Examination Details |     |     |             | Credits   |
|---------------------|-----------------------------------|--|-----------------|-----|---------------------|-----|-----|-------------|-----------|
|                     |                                   |  |                 |     | Duration in Hours   | CIA | ESE | Total Marks |           |
| <b>SEMESTER I</b>   |                                   |  |                 |     |                     |     |     |             |           |
| I                   | 17T01                             | Language - I   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| II                  | 17E01                             | English - I  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCT101                        | Core Paper - I Basics of Apparel Designing   | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCT102                        | Core Paper - II Principles of Pattern Making   | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCP103                        | Core Practical -I Apparel Designing  | 4               | P   | 3                   | 40  | 60  | 100         | 4         |
| III                 | 17UARAP104                        | Allied- I Fashion Illustration Practical   | 4               | P   | 3                   | 40  | 60  | 100         | 3         |
| IV                  | 17ES01                            | Foundation Course -I Environmental Studies   | 2               | T   | 3                   | -   | 50  | 50          | 2         |
| <b>Total</b>        |                                   |  | <b>30</b>       |     | -                   | -   | -   | <b>650</b>  | <b>25</b> |
| <b>SEMESTER II</b>  |                                   |  |                 |     |                     |     |     |             |           |
| I                   | 17T02                             | Language - II  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| II                  | 17E02                             | English - II   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCT201                        | Core Paper - III Fashion Designing Concepts  | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCP202                        | Core Practical - II Fashion Designing  | 3               | P   | 3                   | 40  | 60  | 100         | 3         |
| III                 | 17UARCP203                        | Core Practical - III Children's Apparel  | 5               | P   | 4                   | 40  | 60  | 100         | 4         |
| III                 | 17UARAT204                        | Allied - II Sewing Technology  | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
| IV                  | 17VE01                            | Foundation Course -II Value Education  | 2               | T   | 3                   | -   | 50  | 50          | 2         |
| <b>Total</b>        |                                   |  | <b>30</b>       |     | -                   | -   | -   | <b>650</b>  | <b>25</b> |
| <b>SEMESTER III</b> |                                   |  |                 |     |                     |     |     |             |           |
| III                 | 17UARCT301                        | Core Paper-IV Fibre to Fabric  | 6               | T   | 3                   | 25  | 75  | 100         | 5         |
| III                 | 17UARCT302                        | Core Paper-V Fashion Clothing Psychology   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCP303                        | Core Practical-IV Fibre to Fabric  | 4               | P   | 3                   | 40  | 60  | 100         | 4         |
| III                 | 17UARAP304                        | Allied - III Computer Aided Designing Practical - I  | 6               | P   | 3                   | 40  | 60  | 100         | 4         |
| IV                  | 17UARSP305                        | Skill Based-I Basics of Draping Practical  | 6               | P   | 3                   | 30  | 45  | 75          | 3         |
| IV                  | 17BT01/<br>17AT01/<br>17UARNT306* | Basic Tamil@ / Advanced Tamil# (or)<br>Non Major Elective - I (Fundamentals of Textiles) #     | 2               | T   | 3                   | -   | 75  | 75          | 2         |
| <b>Total</b>        |                                   |  | <b>30</b>       |     | -                   | -   | -   | <b>550</b>  | <b>22</b> |
| <b>SEMESTER IV</b>  |                                   |  |                 |     |                     |     |     |             |           |
| III                 | 17UARCT401                        | Core Paper - VI Fabric Structure and Design  | 6               | T   | 3                   | 25  | 75  | 100         | 5         |
| III                 | 17UARCT402                        | Core Paper - VII Care and Maintenance of Textiles  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| III                 | 17UARCP403                        | Core Practical - V Women's Apparel   | 6               | P   | 4                   | 40  | 60  | 100         | 4         |
| III                 | 17UARAP404                        | Allied - IV Computer Aided Designing Practical - II  | 5               | P   | 3                   | 40  | 60  | 100         | 3         |
| IV                  | 17UARSP405                        | Skill Based - II Fabric Ornamentation Practical  | 5               | P   | 3                   | 30  | 45  | 75          | 3         |
| IV                  | 17BT02/<br>17AT02/<br>17UARNT406* | Basic Tamil@ / Advanced Tamil# (or)<br>Non Major Elective – II (Basics of Fashion Designing) # | 2               | T   | 3                   | -   | 75  | 75          | 2         |
| <b>Total</b>        |                                   |  | <b>30</b>       |     | -                   | -   | -   | <b>550</b>  | <b>21</b> |



| Part               | Course Code                              | Course Title   | Inst. Hrs /Week           | T/P | Examination Details |     |     |             | Credits    |
|--------------------|--|--|---------------------------|-----|---------------------|-----|-----|-------------|------------|
|                    |  |  |                           |     | Duration in Hours   | CIA | ESE | Total Marks |            |
| <b>SEMESTER V</b>  |  |  |                           |     |                     |     |     |             |            |
| III                | 17UARCT501                               | Core Paper - VIII Knitting Technology  | 6                         | T   | 3                   | 25  | 75  | 100         | 5          |
| III                | 17UARCT502                               | Core Paper IX Textile Processing   | 5                         | T   | 3                   | 25  | 75  | 100         | 4          |
| III                | 17UARCP503                               | Core Practical - VI<br>Fabric Structure Analysis                                   | 4                         | P   | 3                   | 40  | 60  | 100         | 3          |
| III                | 17UARCP504                               | Core Practical - VII<br>Textile Processing   | 5                         | P   | 3                   | 40  | 60  | 100         | 3          |
| III                | 17UARET505/<br>17UARET506/<br>17UARET507 | Elective Paper - I   | 5                         | T   | 3                   | 25  | 75  | 100         | 4          |
| III                | 17UARIT01                                | 15 Days Internship in Garment Industry \$  | Completed / Not Completed |     |                     |     |     |             |            |
| IV                 | 17UARST508                               | Skill Based - III Business and Accounting  | 5                         | T   | 3                   | 20  | 55  | 75          | 3          |
| <b>Total</b>       |  |  | <b>30</b>                 |     | -                   | -   | -   | <b>575</b>  | <b>22</b>  |
| <b>SEMESTER VI</b> |  |  |                           |     |                     |     |     |             |            |
| III                | 17UARCT601                               | Core Paper - X<br>Garment Quality and Cost Control                                 | 5                         | T   | 3                   | 25  | 75  | 100         | 5          |
| III                | 17UARCP602                               | Core Practical - VIII<br>Fashion Portfolio Presentation                            | 4                         | P   | 3                   | 40  | 60  | 100         | 4          |
| III                | 17UARCP603                               | Core Practical - IX Men's Apparel  | 6                         | P   | 4                   | 40  | 60  | 100         | 4          |
| III                | 17UARET604/<br>17UARET605/<br>17UARET606 | Elective Paper - II  | 5                         | T   | 3                   | 25  | 75  | 100         | 4          |
| III                | 17UARET607/<br>17UARET608/<br>17UARET609 | Elective Paper - III   | 5                         | T   | 3                   | 25  | 75  | 100         | 4          |
| IV                 | 17UARSP610                               | Skill Based - IV<br>Computer Aided Designing Practical -III                        | 5                         | P   | 3                   | 30  | 45  | 75          | 3          |
| V                  | 17NS01/<br>17NC01/<br>17PE01/<br>17YR01  | Extension Activities<br>(NSS/NCC/Sports/ YRC/Co and<br>Extracurricular activities) | -                         |     | -                   | 50  | -   | 50          | 1          |
| <b>Total</b>       |  |  | <b>30</b>                 |     | -                   | -   | -   | <b>625</b>  | <b>25</b>  |
| <b>TOTAL</b>       |  |  |                           |     |                     |     |     | <b>3600</b> | <b>140</b> |

CIA – CONTINUOUS INTERNAL ASSESMENT  
ESE – END SEMESTER EXAMINATIONS

\* Offered to other department students  
@ CIA only  
# ESE only

\$- Students must undergo institutional training at the end of the second year (May – June) and the report of the same to be submitted.

### LIST OF ELECTIVE COURSES

**Electives:** List of group of Elective Courses (Students can choose any one of the group papers as Electives)

| Papers    | Group A  | Group B  | Group C                                       |
|-----------|--|--|---|
| Paper I   | 17UARET505<br>Historic costumes<br>and Textiles of India | 17UARET506<br>Home Furnishing                  | 17UARET507<br>Entrepreneurship<br>Development |
| Paper II  | 17UARET604<br>Fashion Marketing<br>and Retailing         | 17UARET605<br>Apparel Production<br>Management | 17UARET606<br>Business Finance                |
| Paper III | 17UARET607<br>Organization of<br>Garment Unit            | 17UARET608<br>Export Management                | 17UARET609<br>Apparel Quality<br>Management   |

### LIST OF ALLIED COURSES

|            |            |   |
|------------|------------|---|
| ALLIED I   | 17UARAP104 | Fashion Illustration Practical          |
| ALLIED II  | 17UARAT204 | Sewing Technology                       |
| ALLIED III | 17UARAP304 | Computer Aided Designing Practical - I  |
| ALLIED IV  | 17UARAP404 | Computer Aided Designing Practical - II |

### LIST OF SKILL BASED COURSES

|                 |            |  |
|-----------------|------------|--|
| SKILL BASED I   | 17UARSP305 | Basics of Draping Practical              |
| SKILL BASED II  | 17UARSP405 | Fabric Ornamentation Practical           |
| SKILL BASED III | 17UARST508 | Business and Accounting                  |
| SKILL BASED IV  | 17UARSP610 | Computer Aided Designing Practical - III |



**KONGU ARTS AND SCIENCE COLLEGE**  
(AUTONOMOUS)  
ERODE – 638 107



**ADVANCED LEARNERS COURSE**  
**SEMESTER V**

| S.No | COURSE CODE | COURSE                            |
|------|-------------|-----------------------------------|
| 1    | 17UARAL509  | (A) Basics of Technical Textiles  |
| 2    | 17UARAL510  | (B) Basics of Jewellery Designing |

Ms. S.Manjula  
Chairperson  
Board of Studies/CDF  
Kongu Arts and Science College (Autonomous), Erode



**KONGU ARTS AND SCIENCE COLLEGE**  
(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)  
**ERODE – 638 107**


**B.Sc. COMPUTER SCIENCE**

(For the candidates admitted during the academic year 2019 – 2020 and onwards)

**SCHEME OF EXAMINATION – CBCS PATTERN**

| Part               | Course Code                           | Course Title   | Inst. Hrs /Week | T/P | Examination Details |     |     |             | Credits   |
|--------------------|---------------------------------------|--|-----------------|-----|---------------------|-----|-----|-------------|-----------|
|                    |                                       |  |                 |     | Duration in Hours.  | CIA | ESE | Total Marks |           |
| <b>SEMESTER I</b>  |                                       |  |                 |     |                     |     |     |             |           |
| I                  | 17T01/17H01/<br>17F01/17M01/<br>17S01 | Language – I   | 6               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| II                 | 17E01                                 | English – I  | 6               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 19UAKCT101*                           | Core 1: Programming in C                               | 4               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 17UAKCT102                            | Core 2: Digital Fundamentals and Computer Architecture | 4               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 19UAKCP103*                           | Core Lab 1: Programming Lab – C with Linux             | 3               | P   | 3 Hrs               | 40  | 60  | 100         | 3         |
| III                | 17UAKAT104                            | Allied 1: Numerical and Statistical Methods            | 5               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| IV                 | 17ES01                                | Foundation Course I: Environmental Studies             | 2               | T   | 3 Hrs               | -   | 50  | 50          | 2         |
| <b>Total</b>       |                                       |  | <b>30</b>       |     |                     |     |     | <b>650</b>  | <b>25</b> |
| <b>SEMESTER II</b> |                                       |  |                 |     |                     |     |     |             |           |
| I                  | 17T02/17H02/<br>17F02/17M02/<br>17S02 | Language – II  | 6               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| II                 | 17E02                                 | English – II   | 6               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 19UAKCT201*                           | Core 3: Python Programming                             | 4               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 17UAKCT202                            | Core 4: Data Structures and Algorithms                 | 4               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                | 19UAKCP203*                           | Core Lab2 : Programming Lab- Python                    | 3               | P   | 3 Hrs               | 40  | 60  | 100         | 3         |
| III                | 17UAKAT204                            | Allied 2: Discrete Mathematics                         | 5               | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| IV                 | 17VE01                                | Foundation Course II: Value Education                  | 2               | T   | 3 Hrs               | -   | 50  | 50          | 2         |
| <b>Total</b>       |                                       |  | <b>30</b>       |     |                     |     |     | <b>650</b>  | <b>25</b> |

\*[The syllabi for the revised papers will be followed from the academic year 2019-2020 only and there is no change in the existing scheme of examination and syllabi of remaining papers]

*KASC B.Sc. Computer Science 2019-2020 and onwards*

| Part                | Course Code                                     | Course Title  | Inst. Hrs/Week | T/P | Examination Details |     |     |             | Credits   |
|---------------------|---|---|----------------|-----|---------------------|-----|-----|-------------|-----------|
|                     |   |   |                |     | Duration in Hours.  | CIA | ESE | Total Marks |           |
| <b>SEMESTER III</b> |   |   |                |     |                     |     |     |             |           |
| III                 | 19UAKCT301                                      | Core 5: Operating Systems   | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                 | 19UAKCT302                                      | Core 6: Java Programming  | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                 | 19UAKCP303                                      | Core Lab 3: Programming Lab- Java   | 6              | P   | 3 Hrs               | 40  | 60  | 100         | 4         |
| III                 | 19UAKAT304                                      | Allied 3: Computer Based Optimization Techniques  | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| IV                  | 19UAKSP305                                      | Skill Based Course 1 (Lab): Multimedia Lab  | 4              | P   | 3 Hrs               | 30  | 45  | 75          | 3         |
| IV                  | 17BT01/<br>17AT01/<br>19UAKNT306/<br>19UAKNP307 | Basic Tamil * / Advanced Tamil #<br>(OR) Non-Major Elective - I : Internet Principles @ / Programming Lab- Office Automation and Applications @ | 2              | T   | 3 Hrs               | 75  |     | 75          | 2         |
| <b>Total</b>        |   |   | <b>30</b>      |     |                     |     |     | <b>550</b>  | <b>21</b> |
| <b>SEMESTER IV</b>  |   |   |                |     |                     |     |     |             |           |
| III                 | 19UAKCT401                                      | Core 7 : Software Engineering   | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                 | 19UAKCT402                                      | Core 8: Web Programming   | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| III                 | 19UAKCP403                                      | Core Lab 4: Web Programming Lab   | 6              | P   | 3 Hrs               | 40  | 60  | 100         | 4         |
| III                 | 19UAKAT404                                      | Allied-4: Business Accounting   | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4         |
| IV                  | 19UAKSP405                                      | Skill Based Course 2 (Lab): Software Development - CASE Tools Lab   | 4              | P   | 3 Hrs               | 30  | 45  | 75          | 3         |
| IV                  | 17BT02/<br>17AT02/<br>19UAKNT406/<br>19UAKNP409 | Basic Tamil * /Advanced Tamil #<br>(OR) Non-Major Elective - II : Information Security and Cyber Laws @ / Programming Lab- Web Development @    | 2              | T   | 3 Hrs               | 75  |     | 75          | 2         |
| <b>Total</b>        |   |   | <b>30</b>      |     |                     |     |     | <b>550</b>  | <b>21</b> |

KASC B.Sc. Computer Science 2019-2020 and onwards

| Part               | Course code                              | Course Title  | Inst. Hrs/Week | T/P | Examination Details |     |     |             | Credits    |
|--------------------|--|---|----------------|-----|---------------------|-----|-----|-------------|------------|
|                    |  |   |                |     | Duration in Hours.  | CIA | ESE | Total Marks |            |
| <b>SEMESTER V</b>  |  |   |                |     |                     |     |     |             |            |
| III                | 19UAKCT501                               | Core 9: Computer Networks                                     | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 5          |
| III                | 19UAKCT502                               | Core 10: Visual Basic and VB.net                              | 5              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| III                | 19UAKCT503                               | Core 11: Relational Database Management System                | 5              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| III                | 19UAKCP504                               | Core Lab 5: Programming Lab - Visual Basic, VB.net and Oracle | 5              | P   | 3 Hrs               | 40  | 60  | 100         | 4          |
| III                | 19UAKET505/<br>19UAKET506/<br>19UAKET507 | Elective - I :  | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| IV                 | 19UAKSP508                               | Skill Based Course 3(Lab): Networking Lab                     | 3              | P   | 3 Hrs               | 30  | 45  | 75          | 3          |
| <b>Total</b>       |  |   | <b>30</b>      |     |                     |     |     | <b>575</b>  | <b>24</b>  |
| <b>SEMESTER VI</b> |  |   |                |     |                     |     |     |             |            |
| III                | 19UAKCT601                               | Core 12: Internet of Things (IoT)                             | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| III                | 19UAKCP602                               | Core Lab 6: Internet of Things (IoT) Lab                      | 5              | P   | 3 Hrs               | 40  | 60  | 100         | 4          |
| III                | 19UAKET603/<br>19UAKET604/<br>19UAKET605 | Elective - II :   | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| III                | 19UAKET606/<br>19UAKET607/<br>19UAKET608 | Elective III :  | 6              | T   | 3 Hrs               | 25  | 75  | 100         | 4          |
| III                | 19UAKCV609                               | Project Work Lab :  | 4              | P   | 3 Hrs               | 20  | 80  | 100         | 4          |
| IV                 | 19UAKSP610                               | Skill based Course 4 (Lab) : Software Testing Lab             | 3              | P   | 3 Hrs               | 30  | 45  | 75          | 3          |
| V                  | 17NS01/<br>17NC01/<br>17PE01/<br>17YR01  | Extension Activities \$                                       | -              |     | -                   | 50  | -   | 50          | 1          |
| <b>Total</b>       |  |   | <b>30</b>      |     |                     |     |     | <b>625</b>  | <b>24</b>  |
| <b>TOTAL</b>       |  |   | <b>180</b>     |     |                     |     |     | <b>3600</b> | <b>140</b> |

\$ - CIA only

@ - Offered to other department students

# - ESE only

**LIST OF ALLIED COURSES**

|          |            |  |
|----------|------------|--|
| Allied 1 | 17UAKAT104 | Numerical and Statistical Methods      |
| Allied 2 | 17UAKAT204 | Discrete Mathematics                   |
| Allied 3 | 19UAKAT304 | Computer Based Optimization Techniques |
| Allied 4 | 19UAKAT404 | Business Accounting                    |

**LIST OF SKILL BASED COURSES**

|                      |            |                                       |
|----------------------|------------|---------------------------------------|
| Skill Based Course 1 | 19UAKSP305 | Multimedia Lab                        |
| Skill Based Course 2 | 19UAKSP405 | Software Development - CASE Tools Lab |
| Skill Based Course 3 | 19UAKSP508 | Networking Lab                        |
| Skill Based Course 4 | 19UAKSP610 | Software Testing Lab                  |

**LIST OF ADVANCED LEARNERS COURSES**

|                            |            |   |                             |
|----------------------------|------------|---|-----------------------------|
| Advanced Learners Course 1 | 19UAKAL407 | A | Software Testing            |
|                            | 19UAKAL408 | B | UNIX Programming            |
| Advanced Learners Course 2 | 19UAKAL509 | A | Software Project Management |
|                            | 19UAKAL510 | B | Linux Programming           |

**LIST OF ELECTIVE COURSES**

|                |            |   |  |
|----------------|------------|---|--|
| Elective - I   | 19UAKET505 | A | Computer Graphics                          |
|                | 19UAKET506 | B | Cloud Computing                            |
|                | 19UAKET507 | C | Distributed Systems                        |
| Elective - II  | 19UAKET603 | A | Web Technology                             |
|                | 19UAKET604 | B | Mobile Computing                           |
|                | 19UAKET605 | C | Principles of Multimedia                   |
| Elective - III | 19UAKET606 | A | Artificial Intelligence and Expert Systems |
|                | 19UAKET607 | B | Data Mining                                |
|                | 19UAKET608 | C | Cryptography and Network Security          |

P. N. J.  
Mr. P. Ramesh  
Chairman

Board of Studies / Computer Science (U.G)  
Kongu Arts and Science College (Autonomous), Erode



# KONGU ARTS AND SCIENCE COLLEGE

(Autonomous)

Affiliated to Bharathiar University, Coimbatore

Approved by UGC, AICTE, New Delhi, Re-accredited by NAAC & DBT STAR College

(An ISO 9001: 2015 Certified Institution)

Nanjanapuram, Erode – 638 107.



DEPARTMENT OF PHYSICS

B.Sc. (PHYSICS)

SYLLABUS

(V AND VI SEMESTER)

(For the candidates admitted during the academic year 2018-2019 batch only)

UNDER OUTCOME BASED CBCS PATTERN



**KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**

ERODE – 638 107

DEPARTMENT OF PHYSICS

**B. Sc PHYSICS**

**SCHEME OF EXAMINATION – CBCS PATTERN**

(For the candidates admitted during the Academic Year 2018– 2019 only)



| Course Code                  | Course Title   | Inst. Hrs /Week | T/P | Examination Details |     |     |             | Credits   |
|------------------------------|--|-----------------|-----|---------------------|-----|-----|-------------|-----------|
|                              |  |                 |     | Duration in Hours   | CIA | ESE | Total Marks |           |
| <b>SEMESTER I</b>            |  |                 |     |                     |     |     |             |           |
| 17T01                        | Language - I   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17E01                        | English - I  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17UAOCT101                   | Core – I Mechanics, Properties of Matter and Sound         | 6               | T   | 3                   | 25  | 75  | 100         | 5         |
| -                            | Core Practical - I   | 3               | P   | -                   | -   | -   | -           | -         |
| 17UAOAT102                   | Allied A – Chemistry Theory I                              | 4               | T   | 3                   | 20  | 55  | 75          | 3         |
| -                            | Allied Chemistry Practical                                 | 3               | P   | -                   | -   | -   | -           | -         |
| 17ES01                       | Foundation Course I: Environmental Studies #               | 2               | T   | 3                   | -   | 50  | 50          | 2         |
| <b>Total</b>                 |  | <b>30</b>       |     |                     |     |     | <b>425</b>  | <b>18</b> |
| <b>SEMESTER II</b>           |  |                 |     |                     |     |     |             |           |
| 17T02                        | Language - II  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17E02                        | English - II   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17UAOCT201                   | Core – II Heat and Thermodynamics                          | 6               | T   | 3                   | 25  | 75  | 100         | 5         |
| 17UAOCP202                   | Core Practical - I   | 3               | P   | 3                   | 40  | 60  | 100         | 4         |
| 17UAOAT203                   | Allied A – Chemistry Theory - II                           | 4               | T   | 3                   | 20  | 55  | 75          | 3         |
| 17UAOAP204                   | Allied Chemistry Practical                                 | 3               | P   | 3                   | 20  | 30  | 50          | 2         |
| 17VE01                       | Foundation Course II: Value Education #                    | 2               | T   | 3                   | -   | 50  | 50          | 2         |
| <b>Total</b>                 |  | <b>30</b>       |     |                     |     |     | <b>575</b>  | <b>24</b> |
| <b>SEMESTER III</b>          |  |                 |     |                     |     |     |             |           |
| 17T03                        | Language – III   | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17E03                        | English – III  | 6               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17UAOCT301                   | Core – III Electricity and Magnetism                       | 4               | T   | 3                   | 25  | 75  | 100         | 4         |
| -                            | Core Practical - II  | 2               | P   | -                   | -   | -   | -           | -         |
| 17UAOAT302                   | Allied B – Allied Mathematics I                            | 7               | T   | 3                   | 25  | 75  | 100         | 4         |
| 17UAOST303                   | Skill Based Course – Scientific Facts I                    | 3               | T   | 3                   | 20  | 55  | 75          | 3         |
| 17AT01 / 17BT01 / 17UAONT304 | Advanced Tamil # /Basic Tamil @ OR Non-Major Elective I ** | 2               | T   | 3                   | -   | 75  | 75          | 2         |
| <b>Total</b>                 |  | <b>30</b>       |     |                     |     |     | <b>550</b>  | <b>21</b> |

| Part               | Course Code                               | Course Title  | Inst. Hrs /Week | T/P | Examination Details            |     |                     |                     | Credits    |
|--------------------|---|---|-----------------|-----|--------------------------------|-----|---------------------|---------------------|------------|
|                    |   |   |                 |     | Durati on in Hours             | CIA | ESE                 | Total Marks         |            |
| <b>SEMESTER IV</b> |   |   |                 |     |                                |     |                     |                     |            |
| I                  | 17I04                                     | Language – IV   | 6               | T   | 3                              | 25  | 75                  | 100                 | 4          |
| II                 | 17E04                                     | English – IV  | 6               | T   | 3                              | 25  | 75                  | 100                 | 4          |
| III                | 17UAOCT401                                | Core – IV Optics  | 4               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 17UAOCP402                                | Core Practical - II   | 2               | P   | 3                              | 40  | 60                  | 100                 | 4          |
|                    | 17UAOAT403                                | Allied B – Allied Mathematics II  | 7               | T   | 3                              | 25  | 75                  | 100                 | 4          |
| IV                 | 17UAOST404                                | Skill Based Course – Scientific Facts II  | 3               | T   | 3                              | 20  | 55                  | 75                  | 3          |
|                    | 17AT02 /<br>17BT02 /<br>17UAONT405        | Advanced Tamil/Basic Tamil @ OR<br>Non-Major Elective II**                        | 2               | T   | 3                              | -   | 75                  | 75                  | 2          |
| <b>Total</b>       |   |   | <b>30</b>       |     |                                |     |                     | <b>650</b>          | <b>25</b>  |
| <b>SEMESTER V</b>  |   |   |                 |     |                                |     |                     |                     |            |
| III                | 20UAOCT501*                               | Core – V Mathematical Physics   | 5               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 20UAOCT502*                               | Core – VI Quantum Mechanics and Relativity  | 5               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 20UAOCT503*                               | Core – VII Atomic Physics and Spectroscopy  | 4               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 20UAOCT504*                               | Core – VIII Basic Electronics   | 4               | T   | 3                              | 25  | 75                  | 100                 | 3          |
|                    | -   | Core Practical – III General Practical  | 3               | P   | -                              | -   | -                   | -                   | -          |
|                    | -   | Core Practical – IV Electronics Practical   | 2               | P   | -                              | -   | -                   | -                   | -          |
|                    | 20UAOET505*/<br>17UAOET506/<br>17UAOET507 | Elective – I  | 4               | T   | 3                              | 25  | 75                  | 100                 | 4          |
| IV                 | 17UAOST508                                | Skill Based Course – Office Automation  | 3               | T   | 3                              | 20  | 55                  | 75                  | 3          |
|                    | 17UAOIT01                                 | Institutional Training ##   | -               | -   | Completed/<br>Not<br>Completed | -   |                     |                     |            |
| <b>Total</b>       |   |   | <b>30</b>       |     |                                |     |                     | <b>575</b>          | <b>22</b>  |
| <b>SEMESTER VI</b> |   |   |                 |     |                                |     |                     |                     |            |
| III                | 20UAOCT601*                               | Core – IX Solid State Physics   | 5               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 20UAOCT602*                               | Core – X Nuclear Physics  | 5               | T   | 3                              | 25  | 75                  | 100                 | 4          |
|                    | 20UAOCT603*                               | Core – XI Fundamentals of Digital Electronics                                     | 4               | T   | 3                              | 25  | 75                  | 100                 | 3          |
|                    | 20UAOCP604*                               | Core Practical – III General Practical  | 3               | P   | 3                              | 40  | 60                  | 100                 | 4          |
|                    | 20UAOCP605*                               | Core Practical – IV Electronics Practical   | 2               | P   | 3                              | 40  | 60                  | 100                 | 3          |
|                    |   | 17UAOET606/<br>17UAOET607/<br>20UAOET608*   | Elective – II   | 4   | T<br>P                         | 3   | <del>25</del><br>20 | <del>75</del><br>80 | 100        |
|                    | 20UAOET609*<br>17UAOET610<br>17UAOET611   | Elective – III  | 4               | T   | 3                              | 25  | 75                  | 100                 | 4          |
| IV                 | 20UAOSP612*                               | Skill Based Course – Practical Office Automation & Python Programming for Physics | 3               | P   | 3                              | 30  | 45                  | 75                  | 3          |
|                    | 17NS01/<br>17NC01/<br>17YR01/<br>17PE01   | Extension Activities  | -               | -   | -                              | -   | -                   | 50                  | 1          |
| <b>Total</b>       |   |   | <b>30</b>       |     |                                |     |                     | <b>825</b>          | <b>30</b>  |
| <b>TOTAL</b>       |   |   |                 |     |                                |     |                     | <b>3600</b>         | <b>140</b> |

\*The Syllabi for the revised papers will be followed from the academic year 2020-2021 onwards and there is no change in the existing scheme of examination and syllabi of remaining papers

\*\* Only ESE (End Semester Examination) and offered to other department students

@ Only CIA (Continuous Internal Assessment)

# Only ESE (End Semester Examination)

## Students should undergo Institutional Training at the end of II year (IV semester) for the period of 15 days and have to submit a report in III year (V semester)

**List of Elective Papers**  
**(Students can choose any one of the papers as electives)**

| Sem. | Course Code | Part - III     | Course                                      |
|------|-------------|----------------|---|
| V    | 20UAOET505* | Elective - I   | A Laser, Fiber Optics and Non-Linear Optics |
|      | 17UAOET506  |                | B Renewable Energy Sources                  |
|      | 17UAOET507  |                | C Material Science                          |
| VI   | 17UAOET606  | Elective - II  | A Microprocessor                            |
|      | 17UAOET607  |                | B Biomedical Instrumentation                |
|      | 20UAOET608* |                | C Project                                   |
| VI   | 20UAOET609* | Elective - III | A Python for Physics                        |
|      | 17UAOET610  |                | B Introduction to Nanoscience               |
|      | 17UAOET611  |                | C Communication System                      |

**\*\* GUIDELINES FOR PROJECT WORK**

- Students are divided into group
- A supervisor has been allotted to each group by the department
- A group can select the broad field and the topic of the project in discussion with the supervisor
- The group members should maintain a work diary wherein a weekly works have to be written which will be reviewed by the supervisor
- A minimum of three reviews have to be done
  - In the first review, a group has to submit the basic materials which are needed for the project
  - During the second review, the progress of the project will be monitored
  - In the final review, the group has to submit the rough copy of the project
- They should be asked to present the work done to the respective supervisor during the reviews
- The group should submit a rough copy of the project to the supervisor before the final copy
- The work diary along with project report should be submitted at the time of viva – voce examination

**CIA Marks Distribution**

The supervisor will give the marks for CIA as per the norms stated below

|               |          |
|---------------|----------|
| First Review  | 5 Marks  |
| Second Review | 5 Marks  |
| Final Review  | 5 Marks  |
| Attendance    | 5 Marks  |
| Total         | 20 Marks |

**ESE Marks Distribution**

The evaluation for the End Semester Examination should be as per the norms given below

|                       |  |
|-----------------------|--|
| Project Report        | 60 Marks   |
| Viva-Voce Examination | 20 Marks (Jointly given by the External and Internal Examiner) |
| Total                 | 80 Marks   |

### List of Allied Papers

| Sem. | Course Code | Course                         |
|------|-------------|--------------------------------|
| I    | 17UAOAT102  | Allied A – Chemistry Theory I  |
| II   | 17UAOAT203  | Allied A – Chemistry Theory II |
|      | 17UAOAP204  | Allied Chemistry Practical     |
| III  | 17UAOAT302  | Allied B – Mathematics – I     |
| IV   | 17UAOAT403  | Allied B – Mathematics - II    |

### List of Skill Based Courses

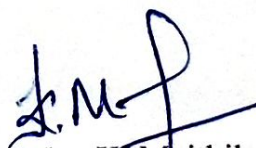
| Sem. | Course Code | Course   |
|------|-------------|--|
| III  | 17UAOST303  | Scientific Facts I   |
| IV   | 17UAOST404  | Scientific Facts II  |
| V    | 17UAOST508  | Office Automation  |
| VI   | 20UAOSP612* | Practical – Office Automation & Python Programming for Physics |

### List of Advanced Learner Courses

| Sem. | Course Code | Course          | Credits |
|------|-------------|-----------------|---------|
| IV   | 17UAOAL406  | Bio-Physics     | 2       |
|      | 17UAOAL407  | Energy Physics  | 2       |
| V    | 17UAOAL509  | Applied Physics | 2       |
|      | 17UAOAL510  | Astrophysics    | 2       |

### Non - Major Elective Courses (Offered to other department students)

| Sem. | Course Code | Course                                      |
|------|-------------|---|
| III  | 17UAONT304  | Introduction to Electricity and Electronics |
| IV   | 17UAONT405  | Electrical and Electronic Appliances        |

  
Mrs. K. Maithilee  
Chairman

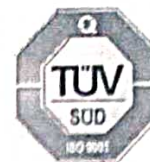
Board of Studies – Physics  
Kongu Arts and Science College (Autonomous), Erode



**KONGU ARTS AND SCIENCE COLLEGE (AUTONOMOUS) ERODE – 638107**  
**DEPARTMENT OF COSTUME DESIGN AND FASHION (PG)**

**M.Sc. CDF**

(For the candidates admitted during the academic year 2017 – 2018 and onwards)



**SCHEME OF EXAMINATION – CBCS PATTERN**

| Course Code                              | Course Title  | Inst. Hrs/<br>Week | T/P         | Examination Details  |     |     |                | Credits   |
|--|---|--------------------|-------------|----------------------|-----|-----|----------------|-----------|
|  |   |                    |             | Duration<br>in Hours | CIA | ESE | Total<br>Marks |           |
| <b>SEMESTER I</b>                        |   |                    |             |                      |     |     |                |           |
| 17PBGCT101 ✓                             | Core Paper - I Fashion Merchandising                        | 6                  | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCT102 ✓                             | Core Paper - II Indian Textile Industry                     | 6                  | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCP103 ✓                             | Core Practical - I Fashion Illustration                     | 4                  | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGCP104 ✓                             | Core Practical - II Draping for Fashion Design              | 5                  | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGCP105 ✓                             | Core Practical - III Design with Prints                     | 5                  | P           | 4                    | 40  | 60  | 100            | 4         |
| 17PBGET106/<br>17PBGET107/<br>7PBGET108  | Elective Paper I  | 4                  | T<br>T<br>T | 3                    | -   | -   | 100*           | 4         |
| <b>Total</b>                             |   | <b>30</b>          |             | -                    | -   | -   | <b>600</b>     | <b>24</b> |
| <b>SEMESTER II</b>                       |   |                    |             |                      |     |     |                |           |
| 17PBGCT201                               | Core Paper - III Research Methodology                       | 7                  | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCT202                               | Core Paper - IV Apparel Quality Standard and Implementation | 5                  | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCT203                               | Core Paper - V World Costumes                               | 5                  | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCP204                               | Core Practical - IV Digital Fashion Portfolios              | 4                  | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGCP205                               | Core Practical - V Advanced Apparel Construction            | 5                  | P           | 4                    | 40  | 60  | 100            | 4         |
| 17PBGEP206/<br>17PBGET207/<br>17PBGET208 | Elective Paper II   | 4                  | P<br>T<br>T | 3                    | -   | -   | 100*           | 4         |
| <b>Total</b>                             |   | <b>30</b>          |             | -                    | -   | -   | <b>600</b>     | <b>24</b> |

@ Students must undergo institutional training at the end of the first year (May – June) and the report of the same to be submitted.

**Guidelines for Theory and Practical**

\*Includes 25/40% Continuous Internal Assessment marks for theory and practical papers respectively.

| Course Code                              | Course Title  | Inst. Hrs/<br>Week        | T/P         | Examination Details  |     |     |                | Credits   |
|--|---|---------------------------|-------------|----------------------|-----|-----|----------------|-----------|
|  |   |                           |             | Duration<br>in Hours | CIA | ESE | Total<br>Marks |           |
| <b>SEMESTER III</b>                      |   |                           |             |                      |     |     |                |           |
| 17PBGCT301                               | Core Paper - VI International Trade and Documentation | 5                         | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCT302                               | Core Paper - VII Technical Textiles                   | 5                         | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCT303                               | Core Paper - VIII Principles of Textile Testing       | 4                         | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCP304                               | Core Practical - VI Principles of Textile Testing     | 4                         | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGCP305                               | Core Practical - VII Textile CAD                      | 4                         | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGCP306                               | Core Practical - VIII Fashion Accessory Designing     | 4                         | P           | 3                    | 40  | 60  | 100            | 4         |
| 17PBGET307/<br>17PBGET308/<br>17PBGET309 | Elective Paper - III                                  | 4                         | T<br>T<br>T | 3                    | -   | -   | 100*           | 4         |
| 17PBGIT01                                | 21 Days Internship in Garment Industry @              | Completed / Not Completed |             |                      |     |     |                |           |
| <b>Total</b>                             |   | <b>30</b>                 |             | -                    | -   | -   | <b>700</b>     | <b>28</b> |
| <b>SEMESTER IV</b>                       |   |                           |             |                      |     |     |                |           |
| 17PBGCT401                               | Core Paper - IX Home Textiles                         | 4                         | T           | 3                    | 25  | 75  | 100            | 4         |
| 17PBGCV402                               | Project work and Viva Voce                            | #                         |             | -                    | 40  | 160 | 200            | 6         |
| 17PBGEP403/<br>17PBGET404/<br>17PBGET405 | Elective Paper IV                                     | 4                         | P<br>T<br>T | 3                    | -   | -   | 100*           | 4         |
| <b>Total</b>                             |   | <b>30</b>                 |             | -                    | -   | -   | <b>400</b>     | <b>14</b> |
| <b>TOTAL</b>                             |   | <b>-</b>                  |             |                      |     |     | <b>2300</b>    | <b>90</b> |

CIA – CONTINUOUS INTERNAL ASSESMENT

ESE – END SEMESTER EXAMINATIONS

#### Guidelines for Theory and Practical

\*Includes 25/40% Continuous Internal Assessment marks for theory and practical papers respectively.

#### Guidelines for Project work and Viva Voce

# 2 Hours / Candidate / Week

|                                 |
|---------------------------------|
| <b>LIST OF ELECTIVE COURSES</b> |
|---------------------------------|

**Electives:** List of group of Elective Courses (Students can choose any one of the group papers as Electives)

| Papers    | Group A  | Group B   | Group C   |
|-----------|--|---|---|
| Paper I   | 17PBGET106<br>Fashion Event<br>Management                    | 17PBGET107<br>Visual Merchandising                | 17PBGET108<br>Textile Economics                 |
| Paper II  | 17PBGE206<br>Beauty Care Practical – I                       | 17PBGET207<br>Industrial Psychology               | 17PBGET208<br>Textile Chemistry                 |
| Paper III | 17PBGET307<br>Business Organization and<br>Office Management | 17PBGET308<br>Principles of Costing               | 17PBGET309<br>Principles of<br>Entrepreneurship |
| Paper IV  | 17PBGE403<br>Beauty Care Practical - II                      | 17PBGET404<br>Computer Application<br>in Business | 17PBGET405<br>Fashion Retailing                 |

KASC M.Sc. CDF 2017-18



KONGU ARTS AND SCIENCE COLLEGE  
(AUTONOMOUS)  
ERODE - 638 107



**ADVANCED LEARNERS COURSE**

| S.No | COURSE CODE | COURSE                           |
|------|-------------|----------------------------------|
| 1    | 17PBGAL310  | (A) Fashion Photography          |
| 2    | 17PBGAL311  | (B) Basics of Leather Technology |

Ms.S.Manjula  
Chairperson

Board of Studies/CDF

Kongu Arts and Science College (Autonomous), Erode