## **Cluster Innovation Centre**

# University of Delhi, Delhi 110007

# B.Tech (Information Technology & Mathematical Innovations) SEMESTER END EXAMINATIONS -OBE (Nov/Dec - 2020)

Date-sheet: Semester III, V, VII, ER, I Time of Examination: 9.30 am to 12.30 pm

| Date/Day                  | ate/Day Time Paper       |  | Code             | Sem                    |
|---------------------------|--------------------------|--|------------------|------------------------|
| 12.12.2020<br>(Saturday)  | 9:30 am –<br>12:30 pm    | Appreciating Literary Works (SEC)                                    | 912303 (III.4)   | III (Open<br>Elective) |
|                           | 9:30 am –<br>12:30 pm    | Education Entrepreneurship for Social Change                         | 228603301(III.4) | III (Open<br>Elective) |
|                           | 9:30 am –<br>12:30 pm    | Computer and brain: Knowledge, discovery and artificial Intelligence | 911512           | V                      |
|                           | 9:30 am –<br>12:30 pm    | Fluidity in Nature: Computational Interpretations                    | 911710           | VII                    |
|                           | 9:30 am –<br>12:30 pm    | Human resource management and organizational behaviour               | 911514           | V                      |
|                           | 9:30 am –<br>12:30 pm    | Embedded systems studio-I  | 911515           | V                      |
| 14.12.2020<br>(Monday)    | 9:30 am –<br>12:30 pm    | Biological networks: from micro to macro niche                       | 911516           | V                      |
|                           | 9:30 am –<br>12:30 pm    | Computer language design and engineering                             | 911711           | VII                    |
|                           | 9:30 am –<br>12:30 pm    | Automating real world through programs: Programming fundamentals     | 32861103 (ER)    | I                      |
| 15.12. 2020<br>(Tuesday)  | 9:30<br>a.m12:30<br>p.m. | Handling Information through Data<br>Modelling & Design              | 911309(ER)/III.3 | III                    |
|                           | 9:30 am –<br>12:30 pm    | Physics at work I: Destructing Machines                              | 911110 (ER)      | 1                      |
| 16.12.2020<br>(Wednesday) | 9:30<br>a.m12:30<br>p.m. | Algorithm for computational<br>Mathematics: Numerical methods        | 911510           | V                      |
|                           | 9:30<br>a.m12:30<br>p.m. | Environment systems and ecosystem management                         | 32861107 (ER)    | I                      |
| 17.12.2020<br>(Thursday)  | 9:30 am –<br>12:30 pm    | Software project management  | 911712           | VII                    |
|                           | 9:30<br>a.m12:30<br>p.m. | Design and analysis of Algorithms                                    | 111.2            | III                    |

| 18.12.2020<br>(Friday)    | 9:30<br>a.m12:30<br>p.m. | Instructing Computing devices: Operating systems   | 911310 (ER)             | III |
|---------------------------|--------------------------|--|-------------------------|-----|
|                           | 9:30<br>a.m12:30<br>p.m. | Modelling continuous changes through ordinary differential equations                       | 32861102 (ER)           | I   |
|                           | 9:30<br>a.m12:30<br>p.m. | Principles of Management   | III.6.1                 | III |
|                           | 9:30<br>a.m12:30<br>p.m. | Cell: Biochemical and Molecular perspective  | 111.6.3                 | III |
| 21 12 2020                | 9:30 a.m.<br>-12:30 p.m. | History culture and civilization   | 911513                  | V   |
| 21.12.2020<br>(Monday)    | 9:30<br>a.m12:30<br>p.m. | Environment Management   | 911714                  | VII |
|                           | 9:30<br>a.m12:30<br>p.m. | Engineering at Molecular scale:<br>Nanotechnology  | 911715                  | VII |
|                           | 9:30<br>a.m12:30<br>p.m. | Modeling and simulating brain functions.   | 911716                  | VII |
| 23.12.2010<br>(Wednesday) | 9:30<br>a.m12:30<br>p.m. | Modelling change in the world around us: Partial Differential Equations  911308 (ER)/III.1 |                         | III |
| 1                         | 9:30<br>a.m12:30<br>p.m. | Seeing the world through Calculus:<br>First steps through symbolic<br>Mathematics          | 32861101/911106<br>(ER) | Ī   |
| 24.12.2020                | 9:30<br>a.m12:30<br>p.m. | Business automation and strategies   | 911717                  | VII |
| (Thursday)                | 9:30<br>a.m12:30<br>p.m. | Circuit analysis and synthesis   | 911718                  | VII |
|                           | 9:30<br>a.m12:30<br>p.m. | System Biology   | 911719                  | VII |
| 26.12.2020<br>(Friday)    | 9:30<br>a.m12:30<br>p.m. | Electronics circuit elements and instruments   | III.5.2                 | III |
|                           | 9:30<br>a.m12:30<br>p.m. | Integrative Biology  | III.5.3                 | III |
|                           | 9:30<br>a.m12:30<br>p.m  | Information exchange in computing devices: Data communication & Networking                 | 911511                  | V   |

| 27.12.2020<br>(Sunday) | 9:30<br>a.m12:30<br>p.m | Understanding Economic Behavior:<br>The micro level    | III.5.1       | III |
|------------------------|-------------------------|--|---------------|-----|
|                        | 9:30<br>a.m12:30<br>p.m | Visual Arts & Aesthetics                               | 911713        | VII |
| 28.12.2020<br>(Monday) | 9:30<br>a.m12:30<br>p.m | Understanding computing systems architecture           | 32861104 (ER) | I   |
|                        | 9:30<br>a.m12:30<br>p.m | Production and operation management                    | 911517        | V   |
|                        | 9:30<br>a.m12:30<br>p.m | Signals and systems engineering                        | 911518        | V   |
|                        | 9:30<br>a.m12:30<br>p.m | Applied Genomics and Proteomics:Methods and techniques | 911519        | V   |

Note: - The duration of the examination shall be three hours only and one hour can be provided in addition to three hours for downloading question papers, scanning and uploading the answer scripts. Total duration shall be four hours. For PWD students, total duration shall be six hours

Prof. Dinabandhu Sahoo (Director)

निदेशक/Director संकुल नवपवर्तन केन्द्र Cluster Innovation Centre दिल्ली विश्वविद्यालय/Delhi University दिल्ली-110007/Delhi-110007

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अधिष्ठाता (परीक्षा)/Dean (Examinations)

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## **Cluster Innovation Centre** University of Delhi, Delhi 110007

### B.A. Honours (Humanities & Social Sciences) Semester I & III

### Datesheet (Theory Exams) December 2020 in OBE blended mode

| Date/Day  | Time  | Paper  | Code           | Sem |
|---|---|--|----------------|-----|
| 12 12 2020  | 9:30 am – 12:30 pm  | Appreciating Literary Works (SEC)                | 912303         | III |
| 12.12.2020<br>(Saturday)                          | 9:30 am – 12:30 pm Introduction to Documentary: Technologies and Techniques (SE |  | 912302<br>(ER) | III |
| 14.12.2020<br>(Monday)                            | 9:30 am – 12:30 pm  | Introduction to Humanities & Social Sciences     | 912101<br>(ER) | I   |
| 15.12.2020<br>(Tuesday)                           | 9:30 am – 12:30 pm  | Art of Communication (AECC)                      | 912102<br>(ER) | I   |
| 18.12.2020 (Thursday) 9:30 am – 12:30 pm Research |   | Research Methodology                             | 912106<br>(ER) | I   |
| 21.12.2020<br>(Wednesday) 9:30 am – 12:30 pm      |   | Impact of Technology: Philosophical Implications | 912103<br>(ER) | I   |

Dr Saleem Mir Program Coordinator

Alka Dutt (Convenor- Examination) Prof. Dinabandhu Sahoo

(Director)

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#### STER INNOVATION LE

#### (UNIVERSITY OF DELHI)

#### M. Sc. (Mathematics Education) A Joint Degree under the Meta University Concept by University of Delhi & Jamia Millia Islamia



#### M.Sc. (Mathematics Education) SEMESTER END EXAMINATIONS -OBE (Nov/Dec - 2020) Date-sheet: Semester I ER, III

Time of Evamination: 9 30 am to 12 30 pm

| Date and Day              | Time           | Semester | Paper Code                                     | Paper Title  |
|---------------------------|----------------|----------|--|--|
| 12/12/2020<br>(Saturday)  | 9:30am-11:30pm | III      | 228603301                                      | Education Entrepreneurship for Social<br>Change                                    |
| 12/12/2020<br>(Saturday)  | 9:30am-11:30pm | III      | 228603302                                      | Education for Sustainable Future   |
| 14/12/2020<br>(Monday)    | 9:30am-12:30pm | III      | 228601301                                      | Discretizing and understanding Real Life<br>Situations Through a Mathematical Lens |
| 16/12/2020<br>(Wednesday) | 9:30am-12:30pm | III      | 228601302                                      | Pedagogical Intervention in Mathematics<br>Classroom                               |
| 18/12/2020<br>(Friday)    | 9:30am-12:30pm | Ш        | 228601303                                      | Digital Technology in Mathematics<br>Education                                     |
| 20/12/2020<br>(Sunday)    | 9:30am-12:30pm | III      | 228601304                                      | Research Methodology in Education  |
| 22/12/2020<br>(Tuesday)   | 9:30am-12:30pm | 111      | 228601305                                      | Statistics in Educational Research   |
| 24/12/2014<br>(Thursday)  | 9:30am-12:30pm | 1        | 1913101<br>(Old Course)<br>228601101<br>(CBCS) | Calculus: Role in real life  |
| 26/12/2020<br>(Saturday)  | 9:30am-12:30pm | I        | 1913202<br>228601103                           | Curriculum and Evaluation in Mathematics   |
| 27/12/2020<br>(Sunday)    | 9:30am-12:30pm | I        | 228601102                                      | Perspectives in Mathematics Education  |

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Prof. Dinabandhu Sahoo

(Director)

Prof Pankaj Tyagi

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