

**Mawlana Bhashani Science and Technology University**

**Department of Information and Communication Technology**

**Problem Solving Continuous Assessment Phase: 01**

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| Requirement | **UVa (50)** | **LightOJ(30)** | **Beecrowd (40)** |
| Meet: | 50 | 30 | 40 |
| Need to Solve: | 0 | 0 | 0 |

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| **Submitted By** | **Submitted To** |
| Name: Kuldip Saha Mugdha | Bikash Kumar Paul |
| ID: IT22018 | Assistant Professor |
| 1st Year 1st Semester  Session: 2021-2022 | DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGY  **MAWLANA BHASHANI SCIENCE AND TECHNOLOGY UNIVERSITY** |
|  |  |

Date: 22-07-2023

Signature of the Student

**Solved Problem List (UVa: 50)**

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| **SL** | **Problem ID** | **Problem Title** |
| 01 | 100 | The 3n + 1 problem |
| 02 | 113 | Power of Cryptography |
| 03 | 272 | TEX Quotes |
| 04 | 299 | Train Swapping |
| 05 | 382 | Perfection |
| 06 | 458 | The Decoder |
| 07 | 488 | Triangle Wave |
| 08 | 494 | Kindergarten Counting Game |
| 09 | 579 | Clock Hands |
| 10 | 591 | Box of Bricks |
| 11 | 1124 | Celebrity jeopardy |
| 12 | 10018 | Reverse and Add |
| 13 | 10035 | Primary Arithmetic |
| 14 | 10055 | Hashmat the Brave Warrior |
| 15 | 10071 | Back to High School Physics |
| 16 | 10079 | Pizza Cutting |
| 17 | 10242 | Fourth Point!! |
| 18 | 10300 | Ecological Premium |
| 19 | 10302 | Summation of Polynomials |
| 20 | 10327 | Flip Sort |
| 21 | 10346 | Peter’s Smokes |
| 22 | 10370 | Above Average |
| 23 | 10432 | Polygon Inside A Circle |
| 24 | 10469 | To Carry or not to Carry |
| 25 | 10499 | The Land of Justice |
| 26 | 10696 | f91 |
| 27 | 10783 | Odd Sum |
| 28 | 10784 | Diagonal |
| 29 | 10812 | Beat The Spread! |
| 30 | 10924 | Prime Words |
| 31 | 10970 | Big Chocolate |
| 32 | 11044 | Searching for Nessy |
| 33 | 11150 | Cola |
| 34 | 11172 | Relational Operator |
| 35 | 11185 | Ternary |
| 36 | 11192 | Group Reverse |
| 37 | 11219 | How old are you? |
| 38 | 11461 | Square Numbers |
| 39 | 11498 | Division of Nlogonia |
| 40 | 11530 | SMS Typing |
| 41 | 11547 | Automatic Answer |
| 42 | 11727 | Cost Cutting |
| 43 | 11764 | Jumping Mario |
| 44 | 11805 | Bafana Bafana |
| 45 | 11936 | The Lazy Lumberjacks |
| 46 | 11945 | Financial Management |
| 47 | 12250 | Language Detection |
| 48 | 12372 | Packing for Holiday |
| 49 | 12403 | Save Setu |
| 50 | 12531 | Hours and Minutes |

**Solved Problem List (LightOJ: 30)**

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| **SL** | **Problem ID** | **Problem Title** |
| 01 | 1000 | Greetings from LightOJ |
| 02 | 1001 | Opposite Task |
| 03 | 1010 | Knights in Chessboard |
| 04 | 1015 | Brush(I) |
| 05 | 1022 | Circle in Square |
| 06 | 1053 | Higher Math |
| 07 | 1069 | Lift |
| 08 | 1107 | How Cow |
| 09 | 1116 | Ekka Dokka |
| 10 | 1182 | Parity |
| 11 | 1225 | Palindromic Numbers (II) |
| 12 | 1294 | Positive Negative Sign |
| 13 | 1305 | Area of a Parallelogram |
| 14 | 1387 | Setu |
| 15 | 1509 | ICPC Standing |
| 16 |  | Even Odd 1 |
| 17 |  | Even Odd 2 |
| 18 |  | Descending Number |
| 19 |  | Divisor |
| 20 |  | Box 1 |
| 21 |  | Summation |
| 22 |  | Count Numbers |
| 23 |  | Small to Large |
| 24 |  | Square Number |
| 25 |  | Run Rate 1 |
| 26 |  | Factorial |
| 27 |  | Factorial 100 |
| 28 |  | Character Frequency |
| 29 |  | Word Disaster |
| 30 |  | Vowel Count |

**Solved Problem List Beecrowd (40)**

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| **SL** | **Problem ID** | **Problem Title** |
| 01 | 1000 | Hello World! |
| 02 | 1001 | Extremely Basic |
| 03 | 1002 | Area of a Circle |
| 04 | 1003 | Simple Sum |
| 05 | 1004 | Simple Product |
| 06 | 1005 | Average 1 |
| 07 | 1006 | Average 2 |
| 08 | 1007 | Difference |
| 09 | 1008 | Salary |
| 10 | 1009 | Salary with Bonus |
| 11 | 1010 | Simple Calculate |
| 12 | 1011 | Sphere |
| 13 | 1012 | Area |
| 14 | 1013 | The Greatest |
| 15 | 1014 | Consumption |
| 16 | 1015 | Distance Between Two Points |
| 17 | 1016 | Distance |
| 18 | 1017 | Fuel Spent |
| 19 | 1018 | Banknotes |
| 20 | 1019 | Time Conversion |
| 21 | 1020 | Age in Days |
| 22 | 1021 | Banknotes and Coins |
| 23 | 1035 | Selection Test 1 |
| 24 | 1036 | Bhaskara’s Formula |
| 25 | 1037 | Interval |
| 26 | 1038 | Snack |
| 27 | 1041 | Coordinates of a Point |
| 28 | 1042 | Simple Sort |
| 29 | 1043 | Triangle |
| 30 | 1044 | Multiples |
| 31 | 1045 | Triangle Types |
| 32 | 1046 | Game Time |
| 33 | 1047 | Game Time With Minutes |
| 34 | 1048 | Salary Increase |
| 35 | 1049 | Animal |
| 36 | 1050 | DDD |
| 37 | 1052 | Month |
| 38 | 1059 | Even Numbers |
| 39 | 1060 | Positive Numbers |
| 40 | 1064 | Positives and Average |