



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
AERONAUTICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2016-05-07 13.57.00

| HTNO       | 58089 | 58090 | 58091 | 58092 | 58093 | 58094 | 58095 | 58096 | 58097 | 58658 | 58659 | 58660 |
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| 12951A2101 | 15    | 21    | -     | -     | -     | -     | 16    | -     | -     | 43    | 39    | -     |
| 12951A2102 | 20    | -     | -     | 21    | -     | -     | -     | -     | 18    | 49    | 49    | -     |
| 12951A2103 | 15    | 22    | -     | -     | -     | -     | 17    | -     | -     | 46    | 43    | -     |
| 12951A2104 | 15    | -     | -     | 20    | -     | -     | 18    | -     | -     | 46    | 43    | -     |
| 12951A2105 | 18    | 21    | -     | -     | -     | -     | 20    | -     | -     | 47    | 39    | -     |
| 12951A2106 | 21    | -     | -     | 22    | -     | -     | -     | -     | 17    | 45    | 46    | -     |
| 12951A2107 | 17    | 22    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |
| 12951A2108 | 15    | -     | -     | 20    | -     | -     | 20    | -     | -     | 49    | 43    | -     |
| 12951A2109 | 16    | -     | -     | 21    | -     | -     | 19    | -     | -     | 45    | 44    | -     |
| 12951A2110 | 17    | 19    | -     | -     | -     | -     | 17    | -     | -     | 44    | 44    | -     |
| 12951A2111 | 16    | 21    | -     | -     | -     | -     | 17    | -     | -     | 44    | 44    | -     |
| 12951A2112 | 18    | 23    | -     | -     | -     | -     | 21    | -     | -     | 43    | 47    | -     |
| 12951A2113 | 16    | 17    | -     | -     | -     | -     | 18    | -     | -     | 33    | 44    | -     |
| 12951A2114 | 20    | 22    | -     | -     | -     | -     | -     | -     | 17    | 46    | 47    | -     |

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| 12951A2117 | 23    | -     | -     | 23    | -     | -     | -     | -     | 19    | 49    | 49    | -     |
| 12951A2118 | 17    | 21    | -     | -     | -     | -     | 20    | -     | -     | 46    | 44    | -     |
| 12951A2119 | 20    | -     | -     | 21    | -     | -     | -     | -     | 18    | 45    | 46    | -     |
| 12951A2121 | 23    | -     | -     | 21    | -     | 23    | -     | -     | -     | 49    | 49    | -     |
| 12951A2122 | 17    | 21    | -     | -     | -     | -     | 20    | -     | -     | 42    | 39    | -     |
| 12951A2123 | 16    | 23    | -     | -     | -     | -     | 17    | -     | -     | 45    | 43    | -     |
| 12951A2124 | 17    | 21    | -     | -     | -     | -     | 19    | -     | -     | 44    | 39    | -     |
| 12951A2125 | 16    | 23    | -     | -     | -     | -     | 18    | -     | -     | 48    | 43    | -     |
| 12951A2126 | 18    | 21    | -     | -     | -     | -     | 18    | -     | -     | 43    | 48    | -     |
| 12951A2127 | 17    | 23    | -     | -     | -     | -     | 20    | -     | -     | 46    | 43    | -     |
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| 12951A2130 | 17    | -     | -     | 21    | -     | -     | 19    | -     | -     | 49    | 46    | -     |
| 12951A2132 | 15    | 21    | -     | -     | -     | -     | 17    | -     | -     | 45    | 44    | -     |
| 12951A2133 | 16    | -     | -     | 19    | -     | -     | 18    | -     | -     | 45    | 43    | -     |
| 12951A2135 | 16    | 23    | -     | -     | -     | -     | 19    | -     | -     | 45    | 48    | -     |
| 12951A2136 | 15    | -     | 20    | -     | -     | -     | 18    | -     | -     | 47    | 48    | -     |
| 12951A2137 | 18    | -     | -     | 20    | -     | -     | 20    | -     | -     | 46    | 39    | -     |
| 12951A2138 | 16    | 23    | -     | -     | -     | -     | 17    | -     | -     | 49    | 48    | -     |
| 12951A2139 | 16    | -     | -     | 19    | -     | -     | 17    | -     | -     | 46    | 48    | -     |
| 12951A2140 | 17    | 23    | -     | -     | -     | -     | 20    | -     | -     | 46    | 48    | -     |
| 12951A2141 | 19    | 23    | -     | -     | -     | -     | 19    | -     | -     | 42    | 48    | -     |
| 12951A2142 | 18    | 22    | -     | -     | -     | -     | 16    | -     | -     | 40    | 46    | -     |
| 12951A2143 | 14    | 21    | -     | -     | -     | -     | 19    | -     | -     | 43    | 39    | -     |
| 12951A2144 | 19    | -     | -     | 22    | -     | -     | -     | -     | 21    | 49    | 49    | -     |
| 12951A2145 | 18    | 22    | -     | -     | -     | -     | 11    | -     | -     | 48    | 46    | -     |
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| 12951A2147 | 14    | 21    | -     | -     | -     | -     | 15    | -     | -     | 33    | 48    | -     |
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| 12951A2152 | 16    | 21    | -     | -     | -     | -     | 16    | -     | -     | 43    | 39    | -     |
| 12951A2153 | 17    | 23    | -     | -     | -     | -     | 21    | -     | -     | 43    | 46    | -     |
| 12951A2154 | 23    | 24    | -     | -     | -     | -     | -     | -     | 23    | 43    | 40    | -     |
| 12951A2155 | 18    | -     | 21    | -     | -     | -     | 19    | -     | -     | 40    | 47    | -     |
| 12951A2156 | 17    | -     | -     | 20    | -     | -     | -     | -     | 17    | 38    | 49    | -     |
| 12951A2157 | 19    | -     | 21    | -     | -     | -     | 22    | -     | -     | 42    | 48    | -     |
| 12951A2158 | 19    | 21    | -     | -     | -     | -     | 15    | -     | -     | 38    | 39    | -     |
| 12951A2159 | 16    | 21    | -     | -     | -     | -     | 14    | -     | -     | 37    | 39    | -     |
| 12951A2160 | 19    | 22    | -     | -     | -     | -     | 17    | -     | -     | 35    | 39    | -     |
| 12951A2161 | 18    | -     | -     | 22    | -     | -     | -     | -     | 22    | 48    | 46    | -     |
| 12951A2163 | 16    | 22    | -     | -     | -     | -     | 14    | -     | -     | 40    | 37    | -     |
| 12951A2164 | 17    | -     | -     | 14    | -     | -     | 21    | -     | -     | 40    | 32    | -     |
| 12951A2165 | 16    | -     | -     | 15    | -     | -     | -     | -     | 17    | 41    | 47    | -     |
| 12951A2166 | 11    | 11    | -     | -     | -     | -     | 10    | -     | -     | 40    | 32    | -     |
| 12951A2167 | 19    | -     | -     | 16    | -     | -     | 20    | -     | -     | 42    | 32    | -     |
| 12951A2168 | 13    | -     | -     | 9     | -     | -     | -     | -     | 14    | 35    | 45    | -     |
| 12951A2169 | 19    | 23    | -     | -     | -     | -     | 17    | -     | -     | 40    | 47    | -     |
| 12951A2170 | 16    | 19    | -     | -     | -     | -     | 14    | -     | -     | 35    | 45    | -     |
| 12951A2171 | 17    | 19    | -     | -     | -     | 17    | -     | -     | -     | 40    | 46    | -     |
| 12951A2172 | 13    | 11    | -     | -     | -     | -     | 9     | -     | -     | 40    | 43    | -     |
| 12951A2173 | 19    | -     | -     | 16    | -     | -     | -     | -     | 21    | 40    | 45    | -     |
| 12951A2174 | 18    | 8     | -     | -     | -     | -     | 10    | -     | -     | 40    | 37    | -     |
| 12951A2175 | 18    | 21    | -     | -     | -     | -     | 16    | -     | -     | 41    | 46    | -     |
| 12951A2176 | 20    | 22    | -     | -     | -     | -     | 20    | -     | -     | 42    | 46    | -     |
| 12951A2177 | 20    | 21    | -     | -     | -     | -     | 20    | -     | -     | 40    | 46    | -     |
| 12951A2178 | 21    | -     | -     | 18    | -     | -     | -     | -     | 23    | 45    | 45    | -     |
| 12951A2179 | 16    | 12    | -     | -     | -     | -     | 10    | -     | -     | 40    | 37    | -     |

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| 12951A2181 | 5     | -     | -     | 8     | -     | -     | -     | -     | 10    | 45    | 35    | -     |
| 12951A2182 | 18    | -     | 21    | -     | -     | -     | -     | -     | 17    | 40    | 47    | -     |
| 12951A2183 | 20    | -     | -     | 18    | -     | -     | -     | -     | 22    | 45    | 39    | -     |
| 12951A2184 | 15    | 18    | -     | -     | -     | -     | 13    | -     | -     | 45    | 48    | -     |
| 12951A2185 | 17    | 20    | -     | -     | -     | -     | 15    | -     | -     | 48    | 47    | -     |
| 12951A2186 | 13    | 19    | -     | -     | -     | -     | 12    | -     | -     | 45    | 44    | -     |
| 12951A2187 | 19    | -     | -     | 16    | -     | -     | -     | -     | 20    | 45    | 48    | -     |
| 12951A2188 | 14    | -     | -     | 12    | -     | -     | 14    | -     | -     | 40    | 39    | -     |
| 12951A2189 | 17    | 22    | -     | -     | -     | -     | -     | -     | 17    | 40    | 48    | -     |
| 12951A2190 | 14    | -     | 16    | -     | -     | -     | -     | -     | 8     | 25    | 44    | -     |
| 12951A2191 | 19    | -     | -     | 18    | -     | -     | 21    | -     | -     | 40    | 46    | -     |
| 12951A2192 | 18    | -     | -     | 15    | -     | -     | -     | -     | 20    | 40    | 35    | -     |
| 12951A2193 | 15    | 21    | -     | -     | -     | -     | -     | -     | 10    | 40    | 45    | -     |
| 12951A2194 | 16    | 13    | -     | -     | -     | -     | 12    | -     | -     | 25    | 37    | -     |
| 12951A2195 | 18    | -     | -     | 16    | -     | -     | -     | -     | 18    | 40    | 48    | -     |
| 12951A2196 | 21    | 22    | -     | -     | -     | 20    | -     | -     | -     | 40    | 39    | -     |
| 12951A2197 | 15    | 22    | -     | -     | -     | -     | -     | -     | 15    | 40    | 45    | -     |
| 12951A2198 | 17    | 22    | -     | -     | -     | -     | -     | -     | 13    | 43    | 46    | -     |
| 12951A2199 | 18    | 22    | -     | -     | -     | -     | -     | -     | 16    | 40    | 48    | -     |
| 12951A21A0 | 5     | -     | -     | 5     | -     | -     | -     | -     | 5     | 25    | 39    | -     |
| 12951A21A1 | 17    | -     | -     | 15    | -     | -     | -     | -     | 20    | 38    | 39    | -     |
| 12951A21A2 | 19    | 19    | -     | -     | -     | -     | 18    | -     | -     | 44    | 45    | -     |
| 12951A21A4 | 17    | -     | 21    | -     | -     | -     | -     | -     | 16    | 47    | 44    | -     |
| 12951A21A5 | 5     | -     | -     | 8     | -     | -     | 9     | -     | -     | 25    | 39    | -     |
| 12951A21A6 | 16    | 20    | -     | -     | -     | -     | 16    | -     | -     | 47    | 48    | -     |
| 12951A21A7 | 19    | -     | 19    | -     | -     | -     | -     | -     | 17    | 49    | 45    | -     |
| 12951A21A8 | 15    | -     | 20    | -     | -     | -     | 16    | -     | -     | 47    | 44    | -     |
| 12951A21A9 | 18    | -     | 21    | -     | -     | -     | 15    | -     | -     | 38    | 45    | -     |
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| 12951A21B2 | 16    | -     | -     | 17    | -     | -     | 24    | -     | -     | 46    | 47    | -     |
| 12951A21B3 | 17    | -     | -     | 19    | -     | -     | -     | -     | 21    | 49    | 39    | -     |
| 12951A21B4 | 16    | -     | -     | 17    | -     | -     | -     | -     | 19    | 45    | 39    | -     |
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| 12951A21B6 | 20    | -     | 22    | -     | -     | -     | 20    | -     | -     | 44    | 45    | -     |
| 12951A21B7 | 17    | -     | 21    | -     | -     | -     | 16    | -     | -     | 46    | 45    | -     |
| 12951A21B8 | 16    | -     | -     | 15    | -     | -     | 22    | -     | -     | 44    | 39    | -     |
| 12951A21B9 | 18    | -     | 21    | -     | -     | -     | -     | -     | 19    | 44    | 44    | -     |
| 12951A21C0 | 13    | -     | 17    | -     | -     | -     | 15    | -     | -     | 43    | 39    | -     |
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| 12951A21C2 | 21    | 24    | -     | -     | -     | -     | 21    | -     | -     | 45    | 43    | -     |
| 12951A21C4 | 19    | -     | -     | 21    | -     | -     | 20    | -     | -     | 45    | 43    | -     |
| 12951A21C5 | 19    | 22    | -     | -     | -     | -     | 16    | -     | -     | 44    | 45    | -     |
| 12951A21C6 | 10    | 10    | -     | -     | -     | -     | 10    | -     | -     | 25    | 43    | -     |
| 12951A21C7 | 21    | 24    | -     | -     | -     | -     | 17    | -     | -     | 47    | 42    | -     |
| 12951A21C8 | 20    | 22    | -     | -     | -     | -     | 16    | -     | -     | 47    | 42    | -     |
| 12951A21C9 | 17    | 20    | -     | -     | -     | -     | 17    | -     | -     | 47    | 39    | -     |
| 12951A21D0 | 21    | -     | -     | 20    | -     | -     | 20    | -     | -     | 46    | 43    | -     |
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| 12951A21D2 | 11    | -     | -     | 5     | -     | -     | 17    | -     | -     | 25    | 39    | -     |
| 12951A21D3 | 18    | -     | -     | 16    | -     | -     | 20    | -     | -     | 44    | 43    | -     |
| 12951A21D4 | 11    | 17    | -     | -     | -     | -     | 14    | -     | -     | 45    | 39    | -     |
| 12951A21D5 | 17    | 17    | -     | -     | -     | -     | 15    | -     | -     | 47    | 42    | -     |
| 12951A21D6 | 12    | 5     | -     | -     | -     | -     | 11    | -     | -     | 45    | 39    | -     |
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| 12951A21D8 | 18    | 21    | -     | -     | -     | -     | 19    | -     | -     | 45    | 43    | -     |
| 12951A21D9 | 20    | -     | -     | 17    | -     | -     | 12    | -     | -     | 45    | 45    | -     |
| 12951A21E0 | 18    | 22    | -     | -     | -     | -     | 16    | -     | -     | 40    | 45    | -     |
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| 12951A21E5 | 19    | 21    | -     | -     | -     | -     | 18    | -     | -     | 47    | 42    | -     |
| 12951A21E6 | 20    | 19    | -     | -     | -     | -     | 16    | -     | -     | 47    | 42    | -     |
| 12951A21E7 | 19    | 21    | -     | -     | -     | -     | 17    | -     | -     | 47    | 49    | -     |
| 12951A21E8 | 20    | -     | -     | 15    | -     | -     | 17    | -     | -     | 45    | 42    | -     |
| 12951A21E9 | 20    | 18    | -     | -     | -     | -     | 17    | -     | -     | 43    | 45    | -     |
| 12951A21F0 | 18    | 18    | -     | -     | -     | -     | 16    | -     | -     | 45    | 40    | -     |
| 12951A21F1 | 20    | 22    | -     | -     | -     | -     | 18    | -     | -     | 43    | 45    | -     |
| 12951A21F2 | 20    | 22    | -     | -     | -     | -     | 16    | -     | -     | 46    | 40    | -     |
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| 12951A21H6 | 21       | -        | 22      | -        | -     | -       | 19       | -     | -       | 41       | 48       | -     |
| 12951A21H7 | 19       | 17       | -       | -        | -     | -       | 14       | -     | -       | 43       | 39       | -     |
| 13955A2101 | 19       | 25       | -       | -        | -     | 20      | -        | -     | -       | 43       | 39       | -     |
| 13955A2102 | 16       | -        | -       | 11       | -     | -       | 15       | -     | -       | 42       | 39       | -     |
| 13955A2103 | 17       | -        | -       | 21       | -     | 18      | -        | -     | -       | 40       | 46       | -     |
| 13955A2104 | 18       | -        | -       | 15       | -     | -       | 19       | -     | -       | 40       | 47       | -     |
| 13955A2105 | 17       | 22       | -       | -        | -     | 21      | -        | -     | -       | 40       | 39       | -     |
| 13955A2106 | 16       | -        | 19      | -        | -     | -       | -        | -     | 13      | 44       | 47       | -     |
| 13955A2107 | 15       | 20       | -       | -        | -     | -       | 15       | -     | -       | 44       | 43       | -     |
| 13955A2108 | 12       | 20       | -       | -        | -     | -       | 13       | -     | -       | 49       | 43       | -     |
| 13955A2109 | 17       | 21       | -       | -        | -     | -       | -        | -     | 16      | 40       | 43       | -     |
| 13955A2110 | 19       | 13       | -       | -        | -     | 21      | -        | -     | -       | 47       | 47       | -     |
| 13955A2111 | 17       | -        | -       | 15       | -     | -       | -        | -     | 21      | 48       | 45       | -     |
| 13955A2112 | 19       | -        | -       | 15       | -     | -       | 19       | -     | -       | 43       | 39       | -     |
| 13955A2113 | 19       | 19       | -       | -        | -     | -       | 17       | -     | -       | 45       | 44       | -     |
| 13955A2114 | 19       | 5        | -       | -        | -     | -       | 14       | -     | -       | 42       | 45       | -     |
| 13955A2115 | 21       | 18       | -       | -        | -     | -       | 16       | -     | -       | 41       | 39       | -     |
| 13955A2116 | 20       | -        | -       | 19       | -     | -       | 21       | -     | -       | 45       | 44       | -     |
| 13955A2117 | 20       | 9        | -       | -        | -     | -       | 17       | -     | -       | 42       | 44       | -     |
| Total:184  | 31<br>43 | 19<br>88 | 41<br>9 | 10<br>11 | 0     | 21<br>2 | 21<br>90 | 0     | 73<br>2 | 78<br>85 | 80<br>04 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name                     |
|--------------|----------------------------------|
| 58660        | COMPREHENSIVE VIVA               |
| 58091        | ANALYSIS OF COMPOSITE STRUCTURES |
| 58090        | AIRPORT PLANNING AND OPERATIONS  |

|       |   |
|-------|---|
| 58093 | HYPERSONIC AERODYNAMICS                         |
| 58092 | HELICOPTER ENGINEERING                          |
| 58658 | SEMINAR   |
| 58095 | LAUNCH VEHICLE AND MISSILE TECHNOLOGY           |
| 58659 | PROJECT WORK                                    |
| 58094 | HEAT TRANSFER                                   |
| 58089 | AVIONICS & INSTRUMENT SYSTEMS                   |
| 58097 | AERO ELASTICITY                                 |
| 58096 | WIND ENGINEERING AND INDUSTRIAL<br>AERODYNAMICS |

Signature Of Principal with Office seal





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.47.49

| HTNO       | 58007 | 58035 | 58036 | 58037 | 58038 | 58039 | 58040 | 58041 | 58042 | 58618 | 58619 | 58620 |
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| 12951A0503 | 23    | 22    | -     | -     | -     | 21    | -     | -     | -     | 48    | 49    | -     |
| 12951A0504 | 18    | 16    | -     | -     | -     | 20    | -     | -     | -     | 47    | 48    | -     |
| 12951A0505 | 20    | 20    | -     | -     | -     | 20    | -     | -     | -     | 47    | 49    | -     |
| 12951A0506 | 15    | 16    | -     | -     | -     | 17    | -     | -     | -     | 47    | 47    | -     |
| 12951A0507 | 20    | 22    | -     | -     | -     | 21    | -     | -     | -     | 49    | 49    | -     |
| 12951A0508 | 22    | 21    | -     | -     | -     | 21    | -     | -     | -     | 48    | 50    | -     |
| 12951A0509 | 19    | 20    | -     | -     | -     | 20    | -     | -     | -     | 47    | 49    | -     |
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| 12951A0512 | 20    | 17    | -     | -     | -     | 19    | -     | -     | -     | 48    | 49    | -     |
| 12951A0513 | 19    | 17    | -     | -     | -     | 19    | -     | -     | -     | 48    | 49    | -     |
| 12951A0514 | 18    | 17    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |

| HTNO       | 58007 | 58035 | 58036 | 58037 | 58038 | 58039 | 58040 | 58041 | 58042 | 58618 | 58619 | 58620 |
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| 12951A0515 | 16    | 16    | -     | -     | -     | 19    | -     | -     | -     | 49    | 48    | -     |
| 12951A0516 | 16    | 17    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |
| 12951A0517 | 20    | 21    | -     | -     | -     | 21    | -     | -     | -     | 47    | 48    | -     |
| 12951A0518 | 21    | 22    | -     | -     | -     | 20    | -     | -     | -     | 48    | 48    | -     |
| 12951A0519 | 21    | 21    | -     | -     | -     | 21    | -     | -     | -     | 47    | 48    | -     |
| 12951A0520 | 20    | 19    | -     | -     | -     | 20    | -     | -     | -     | 49    | 48    | -     |
| 12951A0522 | 17    | 18    | -     | -     | -     | 20    | -     | -     | -     | 47    | 48    | -     |
| 12951A0523 | 21    | 21    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |
| 12951A0524 | 21    | 19    | -     | -     | -     | 20    | -     | -     | -     | 48    | 49    | -     |
| 12951A0525 | 20    | 21    | -     | -     | -     | 20    | -     | -     | -     | 47    | 47    | -     |
| 12951A0526 | 17    | 15    | -     | -     | -     | 18    | -     | -     | -     | 47    | 49    | -     |
| 12951A0527 | 11    | 16    | -     | -     | -     | 19    | -     | -     | -     | 42    | 48    | -     |
| 12951A0528 | 20    | 19    | -     | -     | -     | 21    | -     | -     | -     | 48    | 48    | -     |
| 12951A0529 | 21    | 21    | -     | -     | -     | 20    | -     | -     | -     | 47    | 50    | -     |
| 12951A0530 | 20    | 20    | -     | -     | -     | 22    | -     | -     | -     | 49    | 49    | -     |
| 12951A0531 | 17    | 17    | -     | -     | -     | 20    | -     | -     | -     | 48    | 47    | -     |
| 12951A0532 | 19    | 17    | -     | -     | -     | 19    | -     | -     | -     | 47    | 48    | -     |
| 12951A0533 | 20    | 20    | -     | -     | -     | 18    | -     | -     | -     | 48    | 50    | -     |
| 12951A0534 | 16    | 16    | -     | -     | -     | 18    | -     | -     | -     | 47    | 48    | -     |
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| 12951A0536 | 17    | 16    | -     | -     | -     | 18    | -     | -     | -     | 48    | 49    | -     |
| 12951A0537 | 20    | 16    | -     | -     | -     | 18    | -     | -     | -     | 47    | 49    | -     |
| 12951A0538 | 19    | 15    | -     | -     | -     | 17    | -     | -     | -     | 46    | 49    | -     |
| 12951A0539 | 20    | 16    | -     | -     | -     | 20    | -     | -     | -     | 47    | 49    | -     |
| 12951A0540 | 21    | 20    | -     | -     | -     | 19    | -     | -     | -     | 48    | 49    | -     |
| 12951A0541 | 21    | 18    | -     | -     | -     | 19    | -     | -     | -     | 49    | 49    | -     |
| 12951A0542 | 20    | 16    | -     | -     | -     | 12    | -     | -     | -     | 46    | 47    | -     |
| 12951A0543 | 18    | 16    | -     | -     | -     | 18    | -     | -     | -     | 49    | 48    | -     |
| 12951A0544 | 21    | 21    | -     | -     | -     | 19    | -     | -     | -     | 50    | 49    | -     |
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| 12951A0546 | 16    | 13    | -     | -     | -     | 11    | -     | -     | -     | 49    | 49    | -     |
| 12951A0547 | 19    | 18    | -     | -     | -     | 18    | -     | -     | -     | 50    | 50    | -     |
| 12951A0548 | 17    | 16    | -     | -     | -     | 17    | -     | -     | -     | 49    | 48    | -     |
| 12951A0549 | 22    | 22    | -     | -     | -     | 19    | -     | -     | -     | 47    | 48    | -     |
| 12951A0550 | 21    | 20    | -     | -     | -     | 19    | -     | -     | -     | 47    | 48    | -     |
| 12951A0551 | 20    | 18    | -     | -     | -     | 18    | -     | -     | -     | 49    | 47    | -     |
| 12951A0552 | 20    | 19    | -     | -     | -     | 19    | -     | -     | -     | 47    | 48    | -     |
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| 12951A0554 | 18    | 18    | -     | -     | -     | 18    | -     | -     | -     | 49    | 49    | -     |
| 12951A0555 | 19    | 19    | -     | -     | -     | 17    | -     | -     | -     | 49    | 49    | -     |
| 12951A0557 | 22    | 19    | -     | -     | -     | 19    | -     | -     | -     | 49    | 48    | -     |
| 12951A0558 | 21    | 18    | -     | -     | -     | 18    | -     | -     | -     | 48    | 48    | -     |
| 12951A0559 | 19    | 18    | -     | -     | -     | 20    | -     | -     | -     | 42    | 48    | -     |
| 12951A0560 | 19    | 19    | -     | -     | -     | 17    | -     | -     | -     | 47    | 49    | -     |
| 12951A0561 | 21    | 23    | -     | -     | -     | 21    | -     | -     | -     | 46    | 47    | -     |
| 12951A0562 | 21    | 24    | -     | -     | -     | 20    | -     | -     | -     | 47    | 47    | -     |
| 12951A0563 | 18    | 21    | -     | -     | -     | 20    | -     | -     | -     | 49    | 48    | -     |
| 12951A0564 | 20    | 21    | -     | -     | -     | 19    | -     | -     | -     | 46    | 48    | -     |
| 12951A0565 | 17    | 20    | -     | -     | -     | 19    | -     | -     | -     | 47    | 49    | -     |
| 12951A0566 | 18    | 19    | -     | -     | -     | 18    | -     | -     | -     | 45    | 49    | -     |
| 12951A0567 | 20    | 22    | -     | -     | -     | 23    | -     | -     | -     | 42    | 47    | -     |
| 12951A0568 | 21    | 23    | -     | -     | -     | 22    | -     | -     | -     | 46    | 47    | -     |
| 12951A0570 | 19    | 23    | -     | -     | -     | 21    | -     | -     | -     | 47    | 47    | -     |
| 12951A0571 | 18    | 19    | -     | -     | -     | 21    | -     | -     | -     | 46    | 48    | -     |
| 12951A0572 | 20    | 25    | -     | -     | -     | 23    | -     | -     | -     | 49    | 48    | -     |
| 12951A0573 | 19    | 21    | -     | -     | -     | 22    | -     | -     | -     | 48    | 48    | -     |
| 12951A0574 | 19    | 22    | -     | -     | -     | 22    | -     | -     | -     | 48    | 47    | -     |
| 12951A0576 | 18    | 23    | -     | -     | -     | 22    | -     | -     | -     | 48    | 49    | -     |
| 12951A0577 | 19    | 23    | -     | -     | -     | 22    | -     | -     | -     | 49    | 50    | -     |
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| 12951A0580 | 18    | 21    | -     | -     | -     | 22    | -     | -     | -     | 48    | 48    | -     |
| 12951A0582 | 20    | 22    | -     | -     | -     | 22    | -     | -     | -     | 47    | 48    | -     |
| 12951A0583 | 17    | 22    | -     | -     | -     | 22    | -     | -     | -     | 50    | 50    | -     |
| 12951A0584 | 18    | 20    | -     | -     | -     | 20    | -     | -     | -     | 48    | 48    | -     |
| 12951A0585 | 19    | 20    | -     | -     | -     | 21    | -     | -     | -     | 47    | 47    | -     |
| 12951A0586 | 18    | 19    | -     | -     | -     | 21    | -     | -     | -     | 47    | 47    | -     |
| 12951A0587 | 19    | 21    | -     | -     | -     | 22    | -     | -     | -     | 46    | 48    | -     |
| 12951A0588 | 19    | 21    | -     | -     | -     | 20    | -     | -     | -     | 49    | 49    | -     |
| 12951A0589 | 20    | 21    | -     | -     | -     | 22    | -     | -     | -     | 46    | 48    | -     |
| 12951A0590 | 21    | 23    | -     | -     | -     | 23    | -     | -     | -     | 48    | 48    | -     |
| 12951A0591 | 17    | 21    | -     | -     | -     | 22    | -     | -     | -     | 42    | 48    | -     |
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| 12951A0593 | 19    | 19    | -     | -     | -     | 21    | -     | -     | -     | 42    | 46    | -     |
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| 12951A0595 | 19    | 19    | -     | -     | -     | 22    | -     | -     | -     | 47    | 49    | -     |
| 12951A0596 | 20    | 20    | -     | -     | -     | 21    | -     | -     | -     | 47    | 47    | -     |
| 12951A0597 | 20    | 23    | -     | -     | -     | 22    | -     | -     | -     | 48    | 48    | -     |
| 12951A0598 | 19    | 21    | -     | -     | -     | 21    | -     | -     | -     | 42    | 48    | -     |
| 12951A0599 | 20    | 21    | -     | -     | -     | 21    | -     | -     | -     | 46    | 49    | -     |
| 12951A05A0 | 23    | 24    | -     | -     | -     | 22    | -     | -     | -     | 50    | 50    | -     |
| 12951A05A2 | 20    | 20    | -     | -     | -     | 21    | -     | -     | -     | 49    | 48    | -     |
| 12951A05A3 | 18    | 18    | -     | -     | -     | 21    | -     | -     | -     | 46    | 46    | -     |
| 12951A05A4 | 20    | 23    | -     | -     | -     | 23    | -     | -     | -     | 47    | 48    | -     |
| 12951A05A5 | 18    | 19    | -     | -     | -     | 19    | -     | -     | -     | 47    | 47    | -     |
| 12951A05A6 | 16    | 15    | -     | -     | -     | 12    | -     | -     | -     | 49    | 48    | -     |
| 12951A05A7 | 21    | 22    | -     | -     | -     | 23    | -     | -     | -     | 46    | 49    | -     |
| 12951A05A8 | 19    | 20    | -     | -     | -     | 21    | -     | -     | -     | 46    | 47    | -     |
| 12951A05A9 | 20    | 21    | -     | -     | -     | 21    | -     | -     | -     | 48    | 48    | -     |
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| HTNO       | 58007 | 58035 | 58036 | 58037 | 58038 | 58039 | 58040 | 58041 | 58042 | 58618 | 58619 | 58620 |
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| 12951A05B1 | 17    | 21    | -     | -     | -     | 22    | -     | -     | -     | 49    | 49    | -     |
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| 12951A05B3 | 22    | 22    | -     | -     | -     | 22    | -     | -     | -     | 47    | 49    | -     |
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| 12951A05B6 | 21    | 23    | -     | -     | -     | 23    | -     | -     | -     | 47    | 48    | -     |
| 12951A05B7 | 19    | 20    | -     | -     | -     | 21    | -     | -     | -     | 46    | 47    | -     |
| 12951A05B8 | 18    | 21    | -     | -     | -     | 22    | -     | -     | -     | 46    | 49    | -     |
| 12951A05B9 | 20    | 21    | -     | -     | -     | 21    | -     | -     | -     | 44    | 49    | -     |
| 12951A05C0 | 20    | 21    | -     | -     | -     | 22    | -     | -     | -     | 42    | 48    | -     |
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| 12951A05C2 | 19    | 20    | -     | -     | -     | 21    | -     | -     | -     | 46    | 49    | -     |
| 12951A05C3 | 20    | 20    | -     | -     | -     | 21    | -     | -     | -     | 49    | 49    | -     |
| 12951A05C4 | 20    | 20    | -     | -     | -     | 22    | -     | -     | -     | 46    | 49    | -     |
| 12951A05C5 | 19    | 21    | -     | -     | -     | 22    | -     | -     | -     | 46    | 48    | -     |
| 12951A05C6 | 18    | 18    | -     | -     | -     | 20    | -     | -     | -     | 46    | 49    | -     |
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| 12951A05C8 | 20    | 18    | -     | -     | -     | 20    | -     | -     | -     | 49    | 48    | -     |
| 12951A05C9 | 21    | 22    | -     | -     | -     | 23    | -     | -     | -     | 49    | 50    | -     |
| 12951A05D0 | 20    | 19    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |
| 12951A05D1 | 19    | 17    | -     | -     | -     | 17    | -     | -     | -     | 48    | 48    | -     |
| 12951A05D3 | 19    | 20    | -     | -     | -     | 22    | -     | -     | -     | 50    | 50    | -     |
| 12951A05D4 | 20    | 20    | -     | -     | -     | 22    | -     | -     | -     | 47    | 49    | -     |
| 12951A05D5 | 17    | 18    | -     | -     | -     | 18    | -     | -     | -     | 47    | 47    | -     |
| 12951A05D6 | 22    | 21    | -     | -     | -     | 24    | -     | -     | -     | 50    | 50    | -     |
| 12951A05D7 | 17    | 17    | -     | -     | -     | 18    | -     | -     | -     | 49    | 48    | -     |
| 12951A05D8 | 21    | 21    | -     | -     | -     | 22    | -     | -     | -     | 47    | 48    | -     |
| 12951A05D9 | 20    | 20    | -     | -     | -     | 22    | -     | -     | -     | 50    | 49    | -     |
| 12951A05E0 | 19    | 19    | -     | -     | -     | 21    | -     | -     | -     | 48    | 48    | -     |
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| HTNO       | 58007 | 58035 | 58036 | 58037 | 58038 | 58039 | 58040 | 58041 | 58042 | 58618 | 58619 | 58620 |
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| 12951A05E2 | 22    | 20    | -     | -     | -     | 21    | -     | -     | -     | 49    | 50    | -     |
| 12951A05E3 | 20    | 18    | -     | -     | -     | 19    | -     | -     | -     | 48    | 48    | -     |
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| 12951A05E5 | 17    | 16    | -     | -     | -     | 17    | -     | -     | -     | 49    | 47    | -     |
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| 12951A05E7 | 22    | 21    | -     | -     | -     | 23    | -     | -     | -     | 49    | 49    | -     |
| 12951A05E8 | 21    | 19    | -     | -     | -     | 21    | -     | -     | -     | 48    | 46    | -     |
| 12951A05E9 | 22    | 19    | -     | -     | -     | 19    | -     | -     | -     | 49    | 48    | -     |
| 12951A05F0 | 19    | 18    | -     | -     | -     | 22    | -     | -     | -     | 50    | 50    | -     |
| 12951A05F1 | 21    | 22    | -     | -     | -     | 23    | -     | -     | -     | 49    | 48    | -     |
| 12951A05F2 | 21    | 18    | -     | -     | -     | 22    | -     | -     | -     | 50    | 47    | -     |
| 12951A05F3 | 21    | 21    | -     | -     | -     | 22    | -     | -     | -     | 48    | 47    | -     |
| 12951A05F4 | 19    | 21    | -     | -     | -     | 21    | -     | -     | -     | 48    | 47    | -     |
| 12951A05F5 | 15    | 16    | -     | -     | -     | 17    | -     | -     | -     | 48    | 46    | -     |
| 12951A05F6 | 19    | 18    | -     | -     | -     | 21    | -     | -     | -     | 49    | 47    | -     |
| 12951A05F7 | 22    | 22    | -     | -     | -     | 23    | -     | -     | -     | 50    | 50    | -     |
| 12951A05F8 | 19    | 19    | -     | -     | -     | 18    | -     | -     | -     | 48    | 47    | -     |
| 12951A05F9 | 19    | 19    | -     | -     | -     | 22    | -     | -     | -     | 47    | 47    | -     |
| 12951A05G0 | 20    | 18    | -     | -     | -     | 19    | -     | -     | -     | 49    | 45    | -     |
| 12951A05G1 | 20    | 19    | -     | -     | -     | 20    | -     | -     | -     | 48    | 47    | -     |
| 12951A05G2 | 20    | 21    | -     | -     | -     | 21    | -     | -     | -     | 49    | 47    | -     |
| 12951A05G3 | 21    | 20    | -     | -     | -     | 22    | -     | -     | -     | 49    | 49    | -     |
| 12951A05G4 | 20    | 18    | -     | -     | -     | 21    | -     | -     | -     | 48    | 47    | -     |
| 12951A05G5 | 21    | 21    | -     | -     | -     | 20    | -     | -     | -     | 48    | 46    | -     |
| 12951A05G6 | 19    | 20    | -     | -     | -     | 19    | -     | -     | -     | 47    | 46    | -     |
| 12951A05G7 | 22    | 21    | -     | -     | -     | 23    | -     | -     | -     | 48    | 45    | -     |
| 12951A05G8 | 22    | 19    | -     | -     | -     | 22    | -     | -     | -     | 49    | 49    | -     |
| 12951A05G9 | 22    | 20    | -     | -     | -     | 22    | -     | -     | -     | 48    | 47    | -     |
| 12951A05H0 | 22    | 21    | -     | -     | -     | 23    | -     | -     | -     | 50    | 49    | -     |
| 12951A05H1 | 20    | 20    | -     | -     | -     | 21    | -     | -     | -     | 48    | 46    | -     |

| HTNO       | 58007    | 58035    | 58036 | 58037 | 58038 | 58039    | 58040 | 58041 | 58042 | 58618    | 58619    | 58620 |
|------------|----------|----------|-------|-------|-------|----------|-------|-------|-------|----------|----------|-------|
| 12951A05H2 | 20       | 20       | -     | -     | -     | 23       | -     | -     | -     | 49       | 47       | -     |
| 12951A05H3 | 20       | 20       | -     | -     | -     | 20       | -     | -     | -     | 49       | 46       | -     |
| 12951A05H4 | 20       | 21       | -     | -     | -     | 21       | -     | -     | -     | 48       | 45       | -     |
| 12951A05H5 | 22       | 21       | -     | -     | -     | 21       | -     | -     | -     | 48       | 47       | -     |
| 12951A05H6 | 16       | 16       | -     | -     | -     | 18       | -     | -     | -     | 48       | 46       | -     |
| 12951A05H7 | 21       | 20       | -     | -     | -     | 21       | -     | -     | -     | 48       | 46       | -     |
| 12951A05H8 | 19       | 19       | -     | -     | -     | 18       | -     | -     | -     | 48       | 46       | -     |
| 13955A0501 | 21       | 20       | -     | -     | -     | 19       | -     | -     | -     | 47       | 48       | -     |
| 13955A0502 | 20       | 20       | -     | -     | -     | 18       | -     | -     | -     | 47       | 48       | -     |
| 13955A0503 | 20       | 20       | -     | -     | -     | 17       | -     | -     | -     | 47       | 49       | -     |
| 13955A0504 | 21       | 20       | -     | -     | -     | 17       | -     | -     | -     | 46       | 48       | -     |
| 13955A0505 | 21       | 21       | -     | -     | -     | 22       | -     | -     | -     | 47       | 49       | -     |
| 13955A0506 | 21       | 23       | -     | -     | -     | 23       | -     | -     | -     | 50       | 48       | -     |
| 13955A0507 | 22       | 25       | -     | -     | -     | 22       | -     | -     | -     | 50       | 50       | -     |
| 13955A0508 | 20       | 23       | -     | -     | -     | 22       | -     | -     | -     | 46       | 47       | -     |
| 13955A0509 | 20       | 19       | -     | -     | -     | 21       | -     | -     | -     | 49       | 47       | -     |
| 13955A0510 | 21       | 19       | -     | -     | -     | 22       | -     | -     | -     | 48       | 47       | -     |
| 13955A0511 | 21       | 19       | -     | -     | -     | 21       | -     | -     | -     | 48       | 46       | -     |
| 13955A0512 | 22       | 19       | -     | -     | -     | 23       | -     | -     | -     | 49       | 47       | -     |
| Total:183  | 35<br>67 | 36<br>03 | 0     | 0     | 0     | 37<br>06 | 0     | 0     | 0     | 87<br>11 | 87<br>90 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name       |
|--------------|--------------------|
| 58007        | MANAGEMENT SCIENCE |
| 58035        | WEB SERVICES       |
| 58620        | COMPREHENSIVE VIVA |
| 58041        | DATABASE SECURITY  |

|       |  |
|-------|--|
| 58042 | EMBEDDED SYSTEMS                         |
| 58040 | STORAGE AREA NETWORKS                    |
| 58619 | PROJECT WORK                             |
| 58037 | SCRIPTING LANGUAGES                      |
| 58618 | SEMINAR                                  |
| 58036 | SEMANTIC WEB AND SOCIAL NETWORKS         |
| 58039 | ADHOC AND SENSOR NETWORKS                |
| 58038 | MULTIMEDIA AND RICH INTERNET APPLICATION |

Signature Of Principal with Office seal





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
INFORMATION TECHNOLOGY

Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.48.08

| HTNO       | 58007 | 58035 | 58039 | 58040 | 58061 | 58062 | 58063 | 58064 | 58065 | 58634 | 58635 | 58636 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A1201 | 11    | -     | -     | -     | 11    | -     | 11    | -     | -     | 43    | 40    | -     |
| 12951A1202 | 19    | -     | -     | -     | 21    | -     | 17    | -     | -     | 46    | 46    | -     |
| 12951A1203 | 20    | -     | -     | -     | 22    | -     | 19    | -     | -     | 46    | 45    | -     |
| 12951A1205 | 20    | -     | -     | -     | 21    | -     | 21    | -     | -     | 45    | 45    | -     |
| 12951A1206 | 20    | -     | -     | -     | 21    | -     | 23    | -     | -     | 48    | 49    | -     |
| 12951A1207 | 17    | -     | -     | -     | 10    | -     | 10    | -     | -     | 50    | 50    | -     |
| 12951A1208 | 18    | -     | -     | -     | 18    | -     | 18    | -     | -     | 46    | 45    | -     |
| 12951A1209 | 21    | -     | -     | -     | 23    | -     | 25    | -     | -     | 50    | 50    | -     |
| 12951A1211 | 20    | -     | -     | -     | 22    | -     | 23    | -     | -     | 49    | 49    | -     |
| 12951A1212 | 19    | -     | -     | -     | 18    | -     | 17    | -     | -     | 46    | 44    | -     |
| 12951A1213 | 21    | -     | -     | -     | 24    | -     | 24    | -     | -     | 48    | 48    | -     |
| 12951A1214 | 20    | -     | -     | -     | 22    | -     | 23    | -     | -     | 49    | 49    | -     |
| 12951A1215 | 18    | -     | -     | -     | 21    | -     | 22    | -     | -     | 49    | 49    | -     |
| 12951A1217 | 22    | -     | -     | -     | 20    | -     | 20    | -     | -     | 46    | 46    | -     |

| HTNO       | 58007   | 58035 | 58039 | 58040 | 58061   | 58062 | 58063   | 58064 | 58065 | 58634    | 58635    | 58636 |
|------------|---------|-------|-------|-------|---------|-------|---------|-------|-------|----------|----------|-------|
| 12951A1218 | 21      | -     | -     | -     | 20      | -     | 21      | -     | -     | 50       | 48       | -     |
| 12951A1219 | 20      | -     | -     | -     | 22      | -     | 20      | -     | -     | 50       | 49       | -     |
| 12951A1220 | 21      | -     | -     | -     | 20      | -     | 19      | -     | -     | 45       | 45       | -     |
| 12951A1221 | 20      | -     | -     | -     | 19      | -     | 21      | -     | -     | 46       | 47       | -     |
| 12951A1222 | 20      | -     | -     | -     | 21      | -     | 23      | -     | -     | 47       | 48       | -     |
| 12951A1223 | 19      | -     | -     | -     | 20      | -     | 20      | -     | -     | 46       | 45       | -     |
| 12951A1224 | 20      | -     | -     | -     | 21      | -     | 21      | -     | -     | 45       | 46       | -     |
| 12951A1225 | 20      | -     | -     | -     | 20      | -     | 18      | -     | -     | 45       | 47       | -     |
| 12951A1226 | 20      | -     | -     | -     | 21      | -     | 22      | -     | -     | 47       | 48       | -     |
| 12951A1227 | 20      | -     | -     | -     | 20      | -     | 21      | -     | -     | 45       | 45       | -     |
| 12951A1229 | 18      | -     | -     | -     | 17      | -     | 19      | -     | -     | 47       | 48       | -     |
| 12951A1230 | 19      | -     | -     | -     | 17      | -     | 19      | -     | -     | 45       | 45       | -     |
| 12951A1231 | 20      | -     | -     | -     | 20      | -     | 19      | -     | -     | 46       | 45       | -     |
| 12951A1232 | 17      | -     | -     | -     | 20      | -     | 18      | -     | -     | 48       | 46       | -     |
| 12951A1233 | 17      | -     | -     | -     | 20      | -     | 19      | -     | -     | 47       | 45       | -     |
| 12951A1234 | 18      | -     | -     | -     | 20      | -     | 20      | -     | -     | 47       | 47       | -     |
| 12951A1235 | 20      | -     | -     | -     | 20      | -     | 23      | -     | -     | 50       | 50       | -     |
| 12951A1236 | 20      | -     | -     | -     | 18      | -     | 20      | -     | -     | 47       | 46       | -     |
| 12951A1237 | 20      | -     | -     | -     | 21      | -     | 21      | -     | -     | 48       | 48       | -     |
| 12951A1238 | 21      | -     | -     | -     | 19      | -     | 20      | -     | -     | 48       | 47       | -     |
| Total:34   | 65<br>7 | 0     | 0     | 0     | 67<br>0 | 0     | 67<br>7 | 0     | 0     | 16<br>00 | 15<br>90 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name        |
|--------------|---------------------|
| 58063        | DESIGN PATTERNS     |
| 58007        | MANAGEMENT SCIENCE  |
| 58064        | DISTRIBUTED SYSTEMS |

|       |                           |
|-------|---------------------------|
| 58061 | E COMMERCE                |
| 58062 | MIDDLEWARE TECHNOLOGIES   |
| 58035 | WEB SERVICES              |
| 58065 | CLOUD COMPUTING           |
| 58040 | STORAGE AREA NETWORKS     |
| 58636 | COMPREHENSIVE VIVA        |
| 58634 | SEMINAR                   |
| 58039 | ADHOC AND SENSOR NETWORKS |
| 58635 | PROJECT WORK              |

Signature Of Principal with Office seal



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
ELECTRONICS AND COMMUNICATION ENGINEERING  
Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.47.34

| HTNO       | 58016 | 58024 | 58025 | 58026 | 58027 | 58028 | 58029 | 58030 | 58031 | 58032 | 58033 | 58034 | 58614 | 58615 | 58616 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 125U1A0406 | -     | 19    | -     | -     | -     | 17    | -     | -     | -     | 18    | -     | -     | 45    | 46    | -     |
| 12951A0401 | -     | 15    | -     | -     | -     | 16    | -     | -     | -     | 17    | -     | -     | 43    | 45    | -     |
| 12951A0402 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 48    | 50    | -     |
| 12951A0403 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A0404 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 47    | 50    | -     |
| 12951A0405 | -     | 19    | -     | -     | -     | 18    | -     | -     | -     | 19    | -     | -     | 46    | 49    | -     |
| 12951A0406 | -     | 17    | -     | -     | -     | 18    | -     | -     | -     | 18    | -     | -     | 44    | 46    | -     |
| 12951A0407 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 15    | -     | -     | 47    | 49    | -     |
| 12951A0408 | -     | 19    | -     | -     | -     | 19    | -     | -     | -     | 17    | -     | -     | 44    | 45    | -     |
| 12951A0409 | -     | 23    | -     | -     | -     | 21    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A0410 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 46    | 49    | -     |
| 12951A0411 | -     | 19    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 47    | 50    | -     |
| 12951A0412 | -     | 19    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 46    | 48    | -     |
| 12951A0413 | -     | 18    | -     | -     | -     | 18    | -     | -     | -     | 17    | -     | -     | 40    | 47    | -     |

| HTNO       | 58016 | 58024 | 58025 | 58026 | 58027 | 58028 | 58029 | 58030 | 58031 | 58032 | 58033 | 58034 | 58614 | 58615 | 58616 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0414 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 48    | -     |
| 12951A0415 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 48    | 50    | -     |
| 12951A0416 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 12951A0417 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 48    | 50    | -     |
| 12951A0418 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 47    | 48    | -     |
| 12951A0419 | -     | 18    | -     | -     | -     | 20    | -     | -     | -     | 15    | -     | -     | 46    | 48    | -     |
| 12951A0420 | -     | 18    | -     | -     | -     | 22    | -     | -     | -     | 18    | -     | -     | 44    | 47    | -     |
| 12951A0421 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 47    | 50    | -     |
| 12951A0422 | -     | 18    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 45    | 45    | -     |
| 12951A0423 | -     | 16    | -     | -     | -     | 17    | -     | -     | -     | 17    | -     | -     | 44    | 44    | -     |
| 12951A0424 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 43    | 46    | -     |
| 12951A0425 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 44    | 47    | -     |
| 12951A0426 | -     | 16    | -     | -     | -     | 18    | -     | -     | -     | 15    | -     | -     | 40    | 47    | -     |
| 12951A0427 | -     | 23    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 48    | 50    | -     |
| 12951A0428 | -     | 15    | -     | -     | -     | 14    | -     | -     | -     | 13    | -     | -     | 46    | 43    | -     |
| 12951A0429 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 46    | 49    | -     |
| 12951A0430 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 19    | -     | -     | 47    | 48    | -     |
| 12951A0431 | -     | 15    | -     | -     | -     | 15    | -     | -     | -     | 15    | -     | -     | 43    | 48    | -     |
| 12951A0432 | -     | 18    | -     | -     | -     | 20    | -     | -     | -     | 17    | -     | -     | 43    | 47    | -     |
| 12951A0433 | -     | 18    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 42    | 48    | -     |
| 12951A0434 | -     | 16    | -     | -     | -     | 19    | -     | -     | -     | 16    | -     | -     | 42    | 46    | -     |
| 12951A0435 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 44    | 46    | -     |
| 12951A0436 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 47    | 50    | -     |
| 12951A0437 | -     | 20    | -     | -     | -     | 19    | -     | -     | -     | 17    | -     | -     | 45    | 49    | -     |
| 12951A0438 | -     | 20    | -     | -     | -     | 19    | -     | -     | -     | 20    | -     | -     | 47    | 47    | -     |
| 12951A0439 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 18    | -     | -     | 47    | 49    | -     |
| 12951A0440 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 44    | 46    | -     |
| 12951A0441 | -     | 14    | -     | -     | -     | 10    | -     | -     | -     | 16    | -     | -     | 42    | 45    | -     |
| 12951A0442 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 23    | -     | -     | 48    | 49    | -     |
| 12951A0443 | -     | 17    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 44    | 43    | -     |

| HTNO       | 58016 | 58024 | 58025 | 58026 | 58027 | 58028 | 58029 | 58030 | 58031 | 58032 | 58033 | 58034 | 58614 | 58615 | 58616 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0444 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 46    | 47    | -     |
| 12951A0445 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 18    | -     | -     | 45    | 43    | -     |
| 12951A0446 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 48    | 50    | -     |
| 12951A0447 | -     | 24    | -     | -     | -     | 24    | -     | -     | -     | 23    | -     | -     | 49    | 50    | -     |
| 12951A0448 | -     | 17    | -     | -     | -     | 19    | -     | -     | -     | 17    | -     | -     | 44    | 49    | -     |
| 12951A0449 | -     | 24    | -     | -     | -     | 21    | -     | -     | -     | 22    | -     | -     | 49    | 50    | -     |
| 12951A0450 | -     | 23    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 49    | 50    | -     |
| 12951A0451 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0453 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 46    | 46    | -     |
| 12951A0455 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A0456 | -     | 21    | -     | -     | -     | 20    | -     | -     | -     | 17    | -     | -     | 46    | 48    | -     |
| 12951A0457 | -     | 21    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 12951A0459 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 18    | -     | -     | 47    | 50    | -     |
| 12951A0460 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0461 | -     | 13    | -     | -     | -     | 18    | -     | -     | -     | 14    | -     | -     | 43    | 47    | -     |
| 12951A0462 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 48    | 47    | -     |
| 12951A0463 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 43    | 45    | -     |
| 12951A0464 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 48    | 48    | -     |
| 12951A0465 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 24    | -     | -     | 49    | 49    | -     |
| 12951A0466 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 24    | -     | -     | 49    | 49    | -     |
| 12951A0467 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 48    | 48    | -     |
| 12951A0468 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 23    | -     | -     | 48    | 48    | -     |
| 12951A0469 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 24    | -     | -     | 47    | 49    | -     |
| 12951A0470 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A0471 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0472 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 24    | -     | -     | 47    | 48    | -     |
| 12951A0473 | -     | 18    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 46    | 42    | -     |
| 12951A0474 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 23    | -     | -     | 47    | 49    | -     |
| 12951A0475 | -     | 19    | -     | -     | -     | 24    | -     | -     | -     | 21    | -     | -     | 46    | 44    | -     |
| 12951A0476 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 46    | 49    | -     |

| HTNO       | 58016 | 58024 | 58025 | 58026 | 58027 | 58028 | 58029 | 58030 | 58031 | 58032 | 58033 | 58034 | 58614 | 58615 | 58616 |
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| 12951A0477 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 46    | 49    | -     |
| 12951A0478 | -     | 19    | -     | -     | -     | 24    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0479 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 47    | 46    | -     |
| 12951A0480 | -     | 17    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 46    | 49    | -     |
| 12951A0481 | -     | 18    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 45    | 47    | -     |
| 12951A0482 | -     | 17    | -     | -     | -     | 19    | -     | -     | -     | 15    | -     | -     | 44    | 46    | -     |
| 12951A0483 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 46    | 49    | -     |
| 12951A0484 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 46    | 50    | -     |
| 12951A0485 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 45    | 47    | -     |
| 12951A0486 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 45    | 49    | -     |
| 12951A0487 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 46    | 30    | -     |
| 12951A0488 | -     | 20    | -     | -     | -     | 24    | -     | -     | -     | 21    | -     | -     | 48    | 49    | -     |
| 12951A0489 | -     | 19    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A0490 | -     | 18    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0491 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 21    | -     | -     | 46    | 48    | -     |
| 12951A0492 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 18    | -     | -     | 46    | 45    | -     |
| 12951A0493 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 46    | 47    | -     |
| 12951A0494 | -     | 16    | -     | -     | -     | 19    | -     | -     | -     | 16    | -     | -     | 44    | 45    | -     |
| 12951A0495 | -     | 19    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 48    | 49    | -     |
| 12951A0496 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 46    | -     |
| 12951A0497 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 49    | -     |
| 12951A0498 | -     | 18    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 48    | 47    | -     |
| 12951A04A0 | -     | 19    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 49    | 50    | -     |
| 12951A04A1 | -     | 18    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 47    | 50    | -     |
| 12951A04A2 | -     | 18    | -     | -     | -     | 24    | -     | -     | -     | 21    | -     | -     | 47    | 48    | -     |
| 12951A04A3 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 48    | 49    | -     |
| 12951A04A4 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 47    | -     |
| 12951A04A5 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 48    | -     |
| 12951A04A6 | -     | 18    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 45    | 49    | -     |
| 12951A04A7 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 45    | 47    | -     |

| HTNO       | 58016 | 58024 | 58025 | 58026 | 58027 | 58028 | 58029 | 58030 | 58031 | 58032 | 58033 | 58034 | 58614 | 58615 | 58616 |
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| 12951A04A8 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 12951A04A9 | -     | 19    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 46    | 47    | -     |
| 12951A04B1 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 45    | 45    | -     |
| 12951A04B2 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 47    | 50    | -     |
| 12951A04B3 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 22    | -     | -     | 46    | 46    | -     |
| 12951A04B4 | -     | 19    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 48    | 49    | -     |
| 12951A04B5 | -     | 18    | -     | -     | -     | 18    | -     | -     | -     | 19    | -     | -     | 45    | 47    | -     |
| 12951A04B6 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 23    | -     | -     | 49    | 50    | -     |
| 12951A04B7 | -     | 17    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 48    | -     |
| 12951A04B9 | -     | 19    | -     | -     | -     | 18    | -     | -     | -     | 19    | -     | -     | 47    | 45    | -     |
| 12951A04C0 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 47    | 47    | -     |
| 12951A04C1 | -     | 16    | -     | -     | -     | 18    | -     | -     | -     | 16    | -     | -     | 44    | 48    | -     |
| 12951A04C2 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 19    | -     | -     | 46    | 49    | -     |
| 12951A04C3 | -     | 19    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 45    | -     |
| 12951A04C4 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 45    | 47    | -     |
| 12951A04C6 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 47    | 48    | -     |
| 12951A04C7 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 46    | 47    | -     |
| 12951A04C8 | -     | 18    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 45    | 44    | -     |
| 12951A04C9 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 19    | -     | -     | 46    | 48    | -     |
| 12951A04D0 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 45    | 45    | -     |
| 12951A04D1 | -     | 24    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 12951A04D2 | -     | 21    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 46    | 45    | -     |
| 12951A04D3 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 20    | -     | -     | 47    | 48    | -     |
| 12951A04D4 | -     | 13    | -     | -     | -     | 10    | -     | -     | -     | 11    | -     | -     | 46    | 45    | -     |
| 12951A04D5 | -     | 17    | -     | -     | -     | 18    | -     | -     | -     | 16    | -     | -     | 45    | 46    | -     |
| 12951A04D6 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 46    | 46    | -     |
| 12951A04D7 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 16    | -     | -     | 47    | 50    | -     |
| 12951A04D8 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 13    | -     | -     | 46    | 45    | -     |
| 12951A04D9 | -     | 18    | -     | -     | -     | 18    | -     | -     | -     | 16    | -     | -     | 45    | 45    | -     |
| 12951A04E1 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 47    | 50    | -     |



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| 12951A04E2 | -     | 23    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 49    | 50    | -     |
| 12951A04E3 | -     | 17    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 46    | 49    | -     |
| 12951A04E4 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 16    | -     | -     | 46    | 45    | -     |
| 12951A04E5 | -     | 20    | -     | -     | -     | 19    | -     | -     | -     | 16    | -     | -     | 45    | 46    | -     |
| 12951A04E6 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 17    | -     | -     | 45    | 42    | -     |
| 12951A04E7 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 46    | 50    | -     |
| 12951A04E8 | -     | 22    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 12951A04E9 | -     | 18    | -     | -     | -     | 16    | -     | -     | -     | 15    | -     | -     | 45    | 45    | -     |
| 12951A04F0 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 47    | 48    | -     |
| 12951A04F1 | -     | 23    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A04F2 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 16    | -     | -     | 47    | 50    | -     |
| 12951A04F3 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 45    | 45    | -     |
| 12951A04F4 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 19    | -     | -     | 47    | 50    | -     |
| 12951A04F5 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 16    | -     | -     | 45    | 40    | -     |
| 12951A04F6 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 49    | 50    | -     |
| 12951A04F7 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 47    | 45    | -     |
| 12951A04F8 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 15    | -     | -     | 47    | 50    | -     |
| 12951A04F9 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 47    | 48    | -     |
| 12951A04G0 | -     | 22    | -     | -     | -     | 21    | -     | -     | -     | 17    | -     | -     | 46    | 50    | -     |
| 12951A04G1 | -     | 19    | -     | -     | -     | 17    | -     | -     | -     | 16    | -     | -     | 46    | 45    | -     |
| 12951A04G2 | -     | 18    | -     | -     | -     | 18    | -     | -     | -     | 17    | -     | -     | 46    | 48    | -     |
| 12951A04G3 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 15    | -     | -     | 45    | 44    | -     |
| 12951A04G4 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 18    | -     | -     | 46    | 47    | -     |
| 12951A04G5 | -     | 18    | -     | -     | -     | 19    | -     | -     | -     | 16    | -     | -     | 45    | 49    | -     |
| 12951A04G6 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 15    | -     | -     | 45    | 45    | -     |
| 12951A04G7 | -     | 17    | -     | -     | -     | 16    | -     | -     | -     | 16    | -     | -     | 45    | 46    | -     |
| 12951A04G8 | -     | 22    | -     | -     | -     | 22    | -     | -     | -     | 19    | -     | -     | 46    | 47    | -     |
| 12951A04G9 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 21    | -     | -     | 46    | 45    | -     |
| 12951A04H0 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 18    | -     | -     | 46    | 49    | -     |
| 12951A04H1 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 20    | -     | -     | 46    | 48    | -     |

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| 12951A04H2 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 45    | 46    | -     |
| 12951A04H3 | -     | 22    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 46    | 49    | -     |
| 12951A04H4 | -     | 18    | -     | -     | -     | 22    | -     | -     | -     | 18    | -     | -     | 45    | 48    | -     |
| 12951A04H5 | -     | 12    | -     | -     | -     | 18    | -     | -     | -     | 10    | -     | -     | 45    | 45    | -     |
| 12951A04H6 | -     | 23    | -     | -     | -     | 24    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A04H7 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 47    | 47    | -     |
| 12951A04H8 | -     | 22    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 47    | 50    | -     |
| 12951A04H9 | -     | 23    | -     | -     | -     | 23    | -     | -     | -     | 21    | -     | -     | 47    | 47    | -     |
| 13955A0401 | -     | 20    | -     | -     | -     | 23    | -     | -     | -     | 22    | -     | -     | 46    | 49    | -     |
| 13955A0403 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 45    | 49    | -     |
| 13955A0404 | -     | 21    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 47    | 49    | -     |
| 13955A0405 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 46    | 49    | -     |
| 13955A0406 | -     | 21    | -     | -     | -     | 19    | -     | -     | -     | 20    | -     | -     | 47    | 49    | -     |
| 13955A0407 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 47    | 49    | -     |
| 13955A0408 | -     | 19    | -     | -     | -     | 19    | -     | -     | -     | 16    | -     | -     | 46    | 46    | -     |
| 13955A0409 | -     | 19    | -     | -     | -     | 19    | -     | -     | -     | 17    | -     | -     | 46    | 47    | -     |
| 13955A0410 | -     | 20    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 46    | 45    | -     |
| 13955A0411 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 47    | 48    | -     |
| 13955A0412 | -     | 18    | -     | -     | -     | 21    | -     | -     | -     | 18    | -     | -     | 45    | 47    | -     |
| 13955A0413 | -     | 17    | -     | -     | -     | 19    | -     | -     | -     | 19    | -     | -     | 45    | 44    | -     |
| 13955A0414 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 45    | 47    | -     |
| 13955A0415 | -     | 16    | -     | -     | -     | 20    | -     | -     | -     | 18    | -     | -     | 45    | 47    | -     |
| 13955A0416 | -     | 21    | -     | -     | -     | 21    | -     | -     | -     | 21    | -     | -     | 47    | 49    | -     |
| 13955A0418 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 22    | -     | -     | 46    | 46    | -     |
| 13955A0419 | -     | 20    | -     | -     | -     | 20    | -     | -     | -     | 22    | -     | -     | 48    | 49    | -     |
| 13955A0420 | -     | 17    | -     | -     | -     | 20    | -     | -     | -     | 19    | -     | -     | 46    | 50    | -     |
| 13955A0421 | -     | 17    | -     | -     | -     | 21    | -     | -     | -     | 19    | -     | -     | 44    | 35    | -     |
| 13955A0423 | -     | 19    | -     | -     | -     | 20    | -     | -     | -     | 20    | -     | -     | 44    | 46    | -     |
| 13955A0424 | -     | 20    | -     | -     | -     | 22    | -     | -     | -     | 20    | -     | -     | 46    | 48    | -     |
| 13955A0425 | -     | 21    | -     | -     | -     | 20    | -     | -     | -     | 18    | -     | -     | 47    | 50    | -     |

| HTNO       | 58016 | 58024    | 58025 | 58026 | 58027 | 58028    | 58029 | 58030 | 58031 | 58032    | 58033 | 58034 | 58614    | 58615    | 58616 |
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| 13955A0426 | -     | 21       | -     | -     | -     | 22       | -     | -     | -     | 20       | -     | -     | 47       | 49       | -     |
| 13955A0427 | -     | 17       | -     | -     | -     | 18       | -     | -     | -     | 18       | -     | -     | 47       | 47       | -     |
| 13955A0428 | -     | 22       | -     | -     | -     | 20       | -     | -     | -     | 16       | -     | -     | 46       | 45       | -     |
| 13955A0429 | -     | 23       | -     | -     | -     | 21       | -     | -     | -     | 18       | -     | -     | 46       | 48       | -     |
| 13955A0430 | -     | 23       | -     | -     | -     | 21       | -     | -     | -     | 20       | -     | -     | 47       | 47       | -     |
| 13955A0431 | -     | 21       | -     | -     | -     | 19       | -     | -     | -     | 18       | -     | -     | 45       | 46       | -     |
| 13955A0434 | -     | 22       | -     | -     | -     | 22       | -     | -     | -     | 19       | -     | -     | 47       | 50       | -     |
| 13955A0435 | -     | 20       | -     | -     | -     | 20       | -     | -     | -     | 18       | -     | -     | 45       | 46       | -     |
| Total:202  | 0     | 39<br>58 | 0     | 0     | 0     | 41<br>85 | 0     | 0     | 0     | 38<br>63 | 0     | 0     | 92<br>97 | 95<br>86 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name                        |
|--------------|-------------------------------------|
| 58615        | MAJOR PROJECT                       |
| 58016        | ARTIFICIAL NEURAL NETWORKS          |
| 58025        | SATELLITE COMMUNICATIONS            |
| 58032        | WIRELESS COMMUNICATION AND NETWORKS |
| 58026        | BIOMEDICAL INSTRUMENTATION          |
| 58033        | DIGITAL DESIGN THROUGH VERILOG HDL  |
| 58614        | SEMINAR                             |
| 58027        | INTERNETWORKING                     |
| 58034        | PATTERN RECOGNITION                 |
| 58028        | RADAR SYSTEMS                       |
| 58029        | SPREAD SPECTRUM COMMUNICATIONS      |
| 58030        | NETWORK SECURITY                    |
| 58031        | RF CIRCUIT DESIGN                   |
| 58616        | COMPREHENSIVE VIVA                  |
| 58024        | CELLULAR AND MOBILE COMMUNICATIONS  |

Signature Of Principal with Office seal



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
ELECTRICAL AND ELECTRONICS ENGINEERING  
Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.47.09

| HTNO       | 58008 | 58009 | 58010 | 58011 | 58012 | 58013 | 58014 | 58606 | 58607 | 58608 | S9801 | S9802 | S9803 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0201 | 19    | 16    | -     | -     | 18    | -     | -     | 45    | 45    | -     | -     | -     | -     |
| 12951A0202 | 16    | 15    | -     | -     | 15    | -     | -     | 44    | 42    | -     | -     | -     | -     |
| 12951A0203 | 18    | 16    | -     | -     | 18    | -     | -     | 42    | 43    | -     | -     | -     | -     |
| 12951A0204 | 18    | 18    | -     | -     | 16    | -     | -     | 48    | 47    | -     | -     | -     | -     |
| 12951A0205 | 15    | 15    | -     | -     | 16    | -     | -     | 47    | 45    | -     | -     | -     | -     |
| 12951A0206 | 16    | 15    | -     | -     | 16    | -     | -     | 45    | 45    | -     | -     | -     | -     |
| 12951A0207 | 19    | 15    | -     | -     | 17    | -     | -     | 47    | 46    | -     | -     | -     | -     |
| 12951A0208 | 14    | 15    | -     | -     | 16    | -     | -     | 47    | 45    | -     | -     | -     | -     |
| 12951A0209 | 17    | 15    | -     | -     | 17    | -     | -     | 42    | 42    | -     | -     | -     | -     |
| 12951A0210 | 16    | 17    | -     | -     | 15    | -     | -     | 45    | 37    | -     | -     | -     | -     |
| 12951A0211 | 20    | 19    | -     | -     | 18    | -     | -     | 47    | 46    | -     | -     | -     | -     |
| 12951A0212 | 17    | 15    | -     | -     | 17    | -     | -     | 45    | 45    | -     | -     | -     | -     |
| 12951A0213 | 18    | 17    | -     | -     | 16    | -     | -     | 41    | 43    | -     | -     | -     | -     |
| 12951A0214 | 18    | 19    | -     | -     | 17    | -     | -     | 41    | 42    | -     | -     | -     | -     |

| HTNO       | 58008 | 58009 | 58010 | 58011 | 58012 | 58013 | 58014 | 58606 | 58607 | 58608 | S9801 | S9802 | S9803 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0215 | 11    | 12    | -     | -     | 13    | -     | -     | 30    | 38    | -     | -     | -     | -     |
| 12951A0216 | 14    | 16    | -     | -     | 16    | -     | -     | 40    | 44    | -     | -     | -     | -     |
| 12951A0217 | 18    | 16    | -     | -     | 16    | -     | -     | 40    | 44    | -     | -     | -     | -     |
| 12951A0218 | 19    | 14    | -     | -     | 12    | -     | -     | 45    | 42    | -     | -     | -     | -     |
| 12951A0219 | 15    | 14    | -     | -     | 16    | -     | -     | 46    | 45    | -     | -     | -     | -     |
| 12951A0220 | 17    | 15    | -     | -     | 16    | -     | -     | 40    | 44    | -     | -     | -     | -     |
| 12951A0224 | 20    | 18    | -     | -     | 20    | -     | -     | 47    | 46    | -     | -     | -     | -     |
| 12951A0225 | 16    | 16    | -     | -     | 16    | -     | -     | 45    | 45    | -     | -     | -     | -     |
| 12951A0226 | 16    | 16    | -     | -     | 18    | -     | -     | 46    | 43    | -     | -     | -     | -     |
| 12951A0227 | 17    | 14    | -     | -     | 18    | -     | -     | 45    | 46    | -     | -     | -     | -     |
| 12951A0228 | 15    | 14    | -     | -     | 15    | -     | -     | 45    | 44    | -     | -     | -     | -     |
| 12951A0229 | 14    | 15    | -     | -     | 15    | -     | -     | 44    | 42    | -     | -     | -     | -     |
| 12951A0230 | 18    | 14    | -     | -     | 15    | -     | -     | 41    | 46    | -     | -     | -     | -     |
| 12951A0231 | 17    | 19    | -     | -     | 18    | -     | -     | 42    | 44    | -     | -     | -     | -     |
| 12951A0232 | 15    | 15    | -     | -     | 16    | -     | -     | 42    | 44    | -     | -     | -     | -     |
| 12951A0233 | 19    | 17    | -     | -     | 19    | -     | -     | 42    | 44    | -     | -     | -     | -     |
| 12951A0234 | 16    | 15    | -     | -     | 14    | -     | -     | 43    | 45    | -     | -     | -     | -     |
| 12951A0235 | 16    | 18    | -     | -     | 20    | -     | -     | 45    | 44    | -     | -     | -     | -     |
| 12951A0236 | 15    | 15    | -     | -     | 20    | -     | -     | 42    | 43    | -     | -     | -     | -     |
| 12951A0237 | 15    | 18    | -     | -     | 17    | -     | -     | 45    | 45    | -     | -     | -     | -     |
| 12951A0238 | 14    | 14    | -     | -     | 16    | -     | -     | 42    | 45    | -     | -     | -     | -     |
| 12951A0240 | 17    | 15    | -     | -     | 14    | -     | -     | 43    | 44    | -     | -     | -     | -     |
| 12951A0241 | 21    | 20    | -     | -     | 20    | -     | -     | 47    | 47    | -     | -     | -     | -     |
| 12951A0242 | 15    | 17    | -     | -     | 17    | -     | -     | 45    | 43    | -     | -     | -     | -     |
| 12951A0243 | 15    | 16    | -     | -     | 18    | -     | -     | 43    | 43    | -     | -     | -     | -     |
| 12951A0244 | 20    | 18    | -     | -     | 20    | -     | -     | 45    | 46    | -     | -     | -     | -     |
| 12951A0245 | 17    | 16    | -     | -     | 17    | -     | -     | 44    | 46    | -     | -     | -     | -     |
| 12951A0246 | 19    | 17    | -     | -     | 18    | -     | -     | 42    | 45    | -     | -     | -     | -     |
| 12951A0247 | 19    | 15    | -     | -     | 17    | -     | -     | 44    | 45    | -     | -     | -     | -     |
| 12951A0248 | 20    | 19    | -     | -     | 19    | -     | -     | 43    | 44    | -     | -     | -     | -     |

| HTNO       | 58008    | 58009    | 58010 | 58011 | 58012    | 58013 | 58014 | 58606    | 58607    | 58608 | S9801 | S9802 | S9803 |
|------------|----------|----------|-------|-------|----------|-------|-------|----------|----------|-------|-------|-------|-------|
| 12951A0249 | 16       | 16       | -     | -     | 16       | -     | -     | 42       | 43       | -     | -     | -     | -     |
| 12951A0250 | 16       | 16       | -     | -     | 17       | -     | -     | 42       | 41       | -     | -     | -     | -     |
| 12951A0251 | 18       | 18       | -     | -     | 17       | -     | -     | 42       | 42       | -     | -     | -     | -     |
| 12951A0252 | 17       | 17       | -     | -     | 20       | -     | -     | 47       | 47       | -     | -     | -     | -     |
| 12951A0253 | 19       | 19       | -     | -     | 21       | -     | -     | 46       | 46       | -     | -     | -     | -     |
| 12951A0254 | 18       | 13       | -     | -     | 17       | -     | -     | 41       | 41       | -     | -     | -     | -     |
| 12951A0255 | 20       | 21       | -     | -     | 18       | -     | -     | 47       | 47       | -     | -     | -     | -     |
| 12951A0256 | 16       | 17       | -     | -     | 15       | -     | -     | 42       | 45       | -     | -     | -     | -     |
| 12951A0257 | 5        | 9        | -     | -     | 9        | -     | -     | 30       | 41       | -     | -     | -     | -     |
| 13955A0201 | 18       | 20       | -     | -     | 19       | -     | -     | 44       | 42       | -     | -     | -     | -     |
| 13955A0202 | 19       | 18       | -     | -     | 18       | -     | -     | 44       | 45       | -     | -     | -     | -     |
| 13955A0203 | 19       | 17       | -     | -     | 19       | -     | -     | 43       | 42       | -     | -     | -     | -     |
| 13955A0204 | 16       | 18       | -     | -     | 18       | -     | -     | 42       | 42       | -     | -     | -     | -     |
| 13955A0206 | 17       | 18       | -     | -     | 17       | -     | -     | 45       | 45       | -     | -     | -     | -     |
| 13955A0207 | 19       | 19       | -     | -     | 18       | -     | -     | 42       | 42       | -     | -     | -     | -     |
| 13955A0208 | 17       | 17       | -     | -     | 15       | -     | -     | 38       | 40       | -     | -     | -     | -     |
| 13955A0209 | 18       | 19       | -     | -     | 17       | -     | -     | 43       | 45       | -     | -     | -     | -     |
| 13955A0210 | 16       | 15       | -     | -     | 16       | -     | -     | 41       | 43       | -     | -     | -     | -     |
| 13955A0211 | 17       | 18       | -     | -     | 19       | -     | -     | 43       | 43       | -     | -     | -     | -     |
| Total:63   | 10<br>62 | 10<br>30 | 0     | 0     | 10<br>64 | 0     | 0     | 27<br>23 | 27<br>61 | 0     | 0     | 0     | 0     |

\*\* indicates that Marks exceeding the Max.marks

|              |                                   |
|--------------|-----------------------------------|
| Subject Code | Subject Name                      |
| 58008        | HVDC TRANSMISSION                 |
| S9801        | COMPUTER METHODS IN POWER SYSTEMS |
| 58009        | NEURAL NETWORKS AND FUZZY LOGIC   |
| 58014        | COMPUTER SYSTEM ORGANIZATION      |

|       |  |
|-------|--|
| S9802 | POWER SYSTEM OPERATION AND CONTROL                       |
| S9803 | UTILIZATION AND ELECTRICAL ENERGY                        |
| 58606 | SEMINAR  |
| 58608 | COMPREHENSIVE VIVA                                       |
| 58607 | MAJOR PROJECT  |
| 58013 | EHV AC TRANSMISSION                                      |
| 58012 | ADVANCED CONTROL SYSTEMS                                 |
| 58011 | RELIABILITY ENGINEERING AND APPLICATION TO POWER SYSTEMS |
| 58010 | LINEAR SYSTEMS ANALYSIS                                  |

Signature Of Principal with Office seal





# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
MECHANICAL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.47.22

| HTNO       | 58015 | 58016 | 58018 | 58019 | 58020 | 58021 | 58022 | 58023 | 58563 | 58610 | 58611 | 58612 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11951A0307 | 16    | -     | -     | 19    | 16    | -     | -     | -     | -     | 35    | 30    | -     |
| 12951A0301 | 21    | -     | -     | 21    | 23    | -     | -     | -     | -     | 45    | 48    | -     |
| 12951A0302 | 16    | -     | -     | 17    | 15    | -     | -     | -     | -     | 35    | 40    | -     |
| 12951A0303 | 21    | -     | -     | 17    | 22    | -     | -     | -     | -     | 48    | 49    | -     |
| 12951A0304 | 18    | -     | -     | 19    | 21    | -     | -     | -     | -     | 38    | 30    | -     |
| 12951A0305 | 20    | -     | -     | 21    | 21    | -     | -     | -     | -     | 40    | 47    | -     |
| 12951A0306 | 16    | -     | -     | 18    | 18    | -     | -     | -     | -     | 35    | 30    | -     |
| 12951A0307 | 15    | -     | -     | 16    | 16    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0308 | 19    | -     | -     | 20    | 20    | -     | -     | -     | -     | 40    | 40    | -     |
| 12951A0309 | 18    | -     | -     | 20    | 22    | -     | -     | -     | -     | 49    | 49    | -     |
| 12951A0310 | 20    | -     | -     | 22    | 22    | -     | -     | -     | -     | 45    | 48    | -     |
| 12951A0311 | 17    | -     | -     | 18    | 16    | -     | -     | -     | -     | 40    | 45    | -     |
| 12951A0312 | 17    | -     | -     | 19    | 17    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0313 | 16    | -     | -     | 11    | 18    | -     | -     | -     | -     | 35    | 45    | -     |

| HTNO       | 58015 | 58016 | 58018 | 58019 | 58020 | 58021 | 58022 | 58023 | 58563 | 58610 | 58611 | 58612 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0314 | 16    | -     | -     | 17    | 20    | -     | -     | -     | -     | 42    | 45    | -     |
| 12951A0315 | 19    | -     | -     | 22    | 21    | -     | -     | -     | -     | 35    | 35    | -     |
| 12951A0316 | 21    | -     | -     | 20    | 21    | -     | -     | -     | -     | 45    | 49    | -     |
| 12951A0317 | 21    | -     | -     | 21    | 19    | -     | -     | -     | -     | 40    | 46    | -     |
| 12951A0318 | 18    | -     | -     | 17    | 17    | -     | -     | -     | -     | 40    | 40    | -     |
| 12951A0319 | 23    | -     | -     | 22    | 24    | -     | -     | -     | -     | 48    | 49    | -     |
| 12951A0320 | 15    | -     | -     | 12    | 15    | -     | -     | -     | -     | 40    | 47    | -     |
| 12951A0321 | 17    | -     | -     | 17    | 19    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0322 | 15    | -     | -     | 18    | 15    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0323 | 16    | -     | -     | 18    | 20    | -     | -     | -     | -     | 35    | 40    | -     |
| 12951A0324 | 21    | -     | -     | 19    | 20    | -     | -     | -     | -     | 48    | 49    | -     |
| 12951A0325 | 20    | -     | -     | 18    | 20    | -     | -     | -     | -     | 35    | 40    | -     |
| 12951A0326 | 15    | -     | -     | 16    | 17    | -     | -     | -     | -     | 42    | 45    | -     |
| 12951A0327 | 17    | -     | -     | 20    | 22    | -     | -     | -     | -     | 48    | 49    | -     |
| 12951A0328 | 21    | -     | -     | 20    | 22    | -     | -     | -     | -     | 40    | 47    | -     |
| 12951A0329 | 16    | -     | -     | 19    | 18    | -     | -     | -     | -     | 35    | 30    | -     |
| 12951A0330 | 16    | -     | -     | 19    | 23    | -     | -     | -     | -     | 40    | 45    | -     |
| 12951A0331 | 14    | -     | -     | 16    | 17    | -     | -     | -     | -     | 40    | 45    | -     |
| 12951A0332 | 17    | -     | -     | 18    | 18    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0333 | 18    | -     | -     | 18    | 17    | -     | -     | -     | -     | 40    | 46    | -     |
| 12951A0335 | 19    | -     | -     | 19    | 20    | -     | -     | -     | -     | 48    | 49    | -     |
| 12951A0336 | 16    | -     | -     | 16    | 19    | -     | -     | -     | -     | 35    | 46    | -     |
| 12951A0337 | 15    | -     | -     | 14    | 17    | -     | -     | -     | -     | 35    | 30    | -     |
| 12951A0338 | 24    | -     | -     | 21    | 23    | -     | -     | -     | -     | 47    | 49    | -     |
| 12951A0339 | 19    | -     | -     | 19    | 21    | -     | -     | -     | -     | 47    | 46    | -     |
| 12951A0340 | 17    | -     | -     | 20    | 22    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0341 | 17    | -     | -     | 15    | 18    | -     | -     | -     | -     | 47    | 47    | -     |
| 12951A0343 | 15    | -     | -     | 14    | 10    | -     | -     | -     | -     | 35    | 45    | -     |
| 12951A0344 | 18    | -     | -     | 19    | 22    | -     | -     | -     | -     | 38    | 45    | -     |
| 12951A0345 | 17    | -     | -     | 15    | 19    | -     | -     | -     | -     | 39    | 45    | -     |

| HTNO       | 58015    | 58016 | 58018 | 58019    | 58020    | 58021 | 58022 | 58023 | 58563 | 58610    | 58611    | 58612 |
|------------|----------|-------|-------|----------|----------|-------|-------|-------|-------|----------|----------|-------|
| 12951A0346 | 12       | -     | -     | 11       | 13       | -     | -     | -     | -     | 46       | 45       | -     |
| 12951A0347 | 17       | -     | -     | 17       | 18       | -     | -     | -     | -     | 35       | 40       | -     |
| 12951A0348 | 18       | -     | -     | 18       | 20       | -     | -     | -     | -     | 49       | 49       | -     |
| 12951A0349 | 19       | -     | -     | 19       | 22       | -     | -     | -     | -     | 48       | 49       | -     |
| 12951A0350 | 19       | -     | -     | 19       | 23       | -     | -     | -     | -     | 48       | 49       | -     |
| 12951A0351 | 12       | -     | -     | 10       | 13       | -     | -     | -     | -     | 35       | 35       | -     |
| 12951A0352 | 15       | -     | -     | 10       | 13       | -     | -     | -     | -     | 35       | 35       | -     |
| 12951A0353 | 17       | -     | -     | 18       | 20       | -     | -     | -     | -     | 35       | 35       | -     |
| 12951A0354 | 17       | -     | -     | 16       | 17       | -     | -     | -     | -     | 35       | 35       | -     |
| 12951A0355 | 18       | -     | -     | 20       | 21       | -     | -     | -     | -     | 43       | 45       | -     |
| 12951A0356 | 21       | -     | -     | 19       | 23       | -     | -     | -     | -     | 48       | 46       | -     |
| 12951A0357 | 18       | -     | -     | 18       | 23       | -     | -     | -     | -     | 49       | 48       | -     |
| 12951A0358 | 15       | -     | -     | 8        | 14       | -     | -     | -     | -     | 42       | 40       | -     |
| 13955A0301 | 20       | -     | -     | 20       | 21       | -     | -     | -     | -     | 43       | 45       | -     |
| 13955A0302 | 17       | -     | -     | 20       | 19       | -     | -     | -     | -     | 47       | 49       | -     |
| 13955A0303 | 17       | -     | -     | 22       | 18       | -     | -     | -     | -     | 47       | 48       | -     |
| 13955A0304 | 17       | -     | -     | 18       | 18       | -     | -     | -     | -     | 38       | 30       | -     |
| 13955A0305 | 16       | -     | -     | 21       | 20       | -     | -     | -     | -     | 45       | 48       | -     |
| 13955A0307 | 17       | -     | -     | 17       | 20       | -     | -     | -     | -     | 35       | 40       | -     |
| 13955A0308 | 17       | -     | -     | 19       | 21       | -     | -     | -     | -     | 35       | 45       | -     |
| 13955A0309 | 17       | -     | -     | 22       | 20       | -     | -     | -     | -     | 45       | 48       | -     |
| 13955A0310 | 18       | -     | -     | 22       | 20       | -     | -     | -     | -     | 45       | 48       | -     |
| 13955A0311 | 18       | -     | -     | 21       | 20       | -     | -     | -     | -     | 35       | 40       | -     |
| 13955A0312 | 18       | -     | -     | 20       | 22       | -     | -     | -     | -     | 47       | 47       | -     |
| Total:68   | 11<br>93 | 0     | 0     | 12<br>22 | 13<br>02 | 0     | 0     | 0     | 0     | 27<br>69 | 29<br>59 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name                          |
|--------------|---------------------------------------|
| 58016        | ARTIFICIAL NEURAL NETWORKS            |
| 58612        | COMPREHENSIVE VIVA                    |
| 58015        | PRODUCTION PLANNING AND CONTROL       |
| 58611        | PROJECT WORK                          |
| 58610        | SEMINAR                               |
| 58018        | MAINTENANCE AND SAFETY ENGINEERING    |
| 58019        | PLANT LAYOUT AND MATERIAL HANDLING    |
| 58563        | RELIABILITY ENGINEERING               |
| 58020        | RENEWABLE ENERGY SOURCES              |
| 58022        | COMPUTATIONAL FLUID DYNAMICS          |
| 58021        | JET PROPULSION AND ROCKET ENGINEERING |
| 58023        | GAS DYNAMICS                          |

Signature Of Principal with Office seal



# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Institute Of Aeronautical Engineering(95)  
B.Tech - R09 - IV Year - II Semester  
CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2016-05-05 17.46.54

| HTNO       | 58001 | 58002 | 58003 | 58004 | 58005 | 58006 | 58007 | 58602 | 58603 | 58604 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0101 | 21    | -     | -     | -     | -     | 20    | 22    | 48    | 47    | -     |
| 12951A0102 | 24    | -     | -     | -     | -     | 20    | 22    | 45    | 46    | -     |
| 12951A0103 | 24    | -     | -     | -     | -     | 22    | 23    | 48    | 47    | -     |
| 12951A0104 | 22    | -     | -     | -     | -     | 11    | 22    | 48    | 46    | -     |
| 12951A0105 | 24    | -     | -     | -     | -     | 23    | 23    | 50    | 49    | -     |
| 12951A0106 | 25    | -     | -     | -     | -     | 22    | 24    | 45    | 46    | -     |
| 12951A0107 | 13    | -     | -     | -     | -     | 22    | 22    | 42    | 44    | -     |
| 12951A0108 | 15    | -     | -     | -     | -     | 12    | 22    | 45    | 46    | -     |
| 12951A0109 | 24    | -     | -     | -     | -     | 21    | 22    | 45    | 46    | -     |
| 12951A0110 | 24    | -     | -     | -     | -     | 21    | 22    | 44    | 47    | -     |
| 12951A0111 | 25    | -     | -     | -     | -     | 24    | 25    | 49    | 49    | -     |
| 12951A0112 | 25    | -     | -     | -     | -     | 22    | 23    | 46    | 48    | -     |
| 12951A0113 | 24    | -     | -     | -     | -     | 20    | 21    | 48    | 48    | -     |
| 12951A0114 | 25    | -     | -     | -     | -     | 22    | 23    | 49    | 49    | -     |

| HTNO       | 58001 | 58002 | 58003 | 58004 | 58005 | 58006 | 58007 | 58602 | 58603 | 58604 |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 12951A0115 | 25    | -     | -     | -     | -     | 21    | 22    | 46    | 47    | -     |
| 12951A0116 | 25    | -     | -     | -     | -     | 21    | 22    | 46    | 47    | -     |
| 12951A0117 | 25    | -     | -     | -     | -     | 21    | 22    | 46    | 45    | -     |
| 12951A0118 | 25    | -     | -     | -     | -     | 18    | 21    | 40    | 40    | -     |
| 12951A0119 | 23    | -     | -     | -     | -     | 21    | 22    | 48    | 48    | -     |
| 12951A0121 | 25    | -     | -     | -     | -     | 22    | 23    | 49    | 49    | -     |
| 12951A0122 | 25    | -     | -     | -     | -     | 21    | 23    | 49    | 49    | -     |
| 12951A0123 | 22    | -     | -     | -     | -     | 17    | 20    | 49    | 49    | -     |
| 12951A0125 | 25    | -     | -     | -     | -     | 22    | 24    | 48    | 48    | -     |
| 12951A0126 | 24    | -     | -     | -     | -     | 20    | 22    | 46    | 46    | -     |
| 12951A0127 | 25    | -     | -     | -     | -     | 22    | 24    | 47    | 46    | -     |
| 12951A0128 | 25    | -     | -     | -     | -     | 22    | 23    | 44    | 45    | -     |
| 12951A0129 | 25    | -     | -     | -     | -     | 21    | 24    | 46    | 47    | -     |
| 12951A0130 | 23    | -     | -     | -     | -     | 20    | 21    | 47    | 48    | -     |
| 12951A0131 | 21    | -     | -     | -     | -     | 20    | 20    | 45    | 46    | -     |
| 12951A0133 | 21    | -     | -     | -     | -     | 17    | 20    | 48    | 49    | -     |
| 12951A0134 | 25    | -     | -     | -     | -     | 23    | 24    | 48    | 47    | -     |
| 12951A0135 | 15    | -     | -     | -     | -     | 21    | 22    | 48    | 46    | -     |
| 12951A0136 | 22    | -     | -     | -     | -     | 20    | 21    | 46    | 46    | -     |
| 12951A0137 | 21    | -     | -     | -     | -     | 18    | 18    | 49    | 49    | -     |
| 12951A0138 | 25    | -     | -     | -     | -     | 18    | 21    | 46    | 46    | -     |
| 12951A0139 | 25    | -     | -     | -     | -     | 22    | 25    | 49    | 49    | -     |
| 12951A0140 | 21    | -     | -     | -     | -     | 21    | 21    | 47    | 45    | -     |
| 12951A0141 | 25    | -     | -     | -     | -     | 23    | 24    | 44    | 46    | -     |
| 12951A0142 | 25    | -     | -     | -     | -     | 22    | 22    | 48    | 49    | -     |
| 12951A0143 | 24    | -     | -     | -     | -     | 20    | 20    | 49    | 49    | -     |
| 12951A0145 | 25    | -     | -     | -     | -     | 22    | 24    | 40    | 44    | -     |
| 12951A0146 | 25    | -     | -     | -     | -     | 22    | 22    | 47    | 48    | -     |
| 12951A0147 | 23    | -     | -     | -     | -     | 20    | 21    | 45    | 47    | -     |
| 12951A0148 | 25    | -     | -     | -     | -     | 20    | 24    | 47    | 48    | -     |

| HTNO       | 58001    | 58002 | 58003 | 58004 | 58005 | 58006    | 58007    | 58602    | 58603    | 58604 |
|------------|----------|-------|-------|-------|-------|----------|----------|----------|----------|-------|
| 12951A0149 | 25       | -     | -     | -     | -     | 21       | 23       | 47       | 48       | -     |
| 12951A0150 | 25       | -     | -     | -     | -     | 23       | 22       | 48       | 49       | -     |
| 12951A0151 | 23       | -     | -     | -     | -     | 21       | 21       | 45       | 46       | -     |
| 12951A0152 | 13       | -     | -     | -     | -     | 12       | 14       | 43       | 46       | -     |
| 12951A0153 | 25       | -     | -     | -     | -     | 13       | 21       | 45       | 47       | -     |
| 12951A0154 | 23       | -     | -     | -     | -     | 12       | 21       | 45       | 46       | -     |
| 12951A0155 | 25       | -     | -     | -     | -     | 22       | 23       | 48       | 49       | -     |
| 12951A0156 | 25       | -     | -     | -     | -     | 21       | 22       | 48       | 47       | -     |
| 12951A0157 | 25       | -     | -     | -     | -     | 22       | 25       | 48       | 48       | -     |
| 12951A0158 | 22       | -     | -     | -     | -     | 20       | 21       | 45       | 46       | -     |
| 12951A0159 | 25       | -     | -     | -     | -     | 21       | 22       | 47       | 46       | -     |
| 13955A0101 | 25       | -     | -     | -     | -     | 21       | 21       | 48       | 49       | -     |
| 13955A0102 | 23       | -     | -     | -     | -     | 18       | 19       | 47       | 46       | -     |
| 13955A0103 | 20       | -     | -     | -     | -     | 21       | 19       | 47       | 48       | -     |
| 13955A0104 | 21       | -     | -     | -     | -     | 13       | 21       | 45       | 45       | -     |
| 13955A0105 | 25       | -     | -     | -     | -     | 14       | 14       | 45       | 47       | -     |
| 13955A0106 | 24       | -     | -     | -     | -     | 21       | 21       | 45       | 46       | -     |
| 13955A0107 | 25       | -     | -     | -     | -     | 21       | 21       | 48       | 48       | -     |
| 13955A0108 | 24       | -     | -     | -     | -     | 21       | 14       | 47       | 48       | -     |
| 13955A0109 | 23       | -     | -     | -     | -     | 13       | 22       | 44       | 47       | -     |
| 13955A0110 | 25       | -     | -     | -     | -     | 20       | 14       | 45       | 48       | -     |
| 13955A0111 | 25       | -     | -     | -     | -     | 21       | 23       | 45       | 47       | -     |
| 13955A0112 | 25       | -     | -     | -     | -     | 20       | 20       | 45       | 48       | -     |
| Total:67   | 15<br>66 | 0     | 0     | 0     | 0     | 13<br>32 | 14<br>42 | 31<br>09 | 31<br>51 | 0     |

\*\* indicates that Marks exceeding the Max.marks

| Subject Code | Subject Name                                  |
|--------------|---|
| 58007        | MANAGEMENT SCIENCE                            |
| 58602        | SEMINAR                                       |
| 58003        | AIRPORT PLANNING AND DESIGN                   |
| 58004        | PRESTRESSED CONCRETE STRUCTURES               |
| 58604        | COMPREHENSIVE VIVA                            |
| 58005        | DATA BASE MANAGEMENT SYSTEMS                  |
| 58603        | PROJECT                                       |
| 58006        | REHABILITATION AND RETROFITTING OF STRUCTURES |
| 58002        | DESIGN AND DRAWING OF IRRIGATION STRUCTURES   |
| 58001        | GROUND IMPROVEMENT TECHNIQUES                 |

Signature Of Principal with Office seal