

**General Certificate of Education (Adv. Level) Examination.****Information & Communication Technology Model Questions**

1. Convert following decimal numbers to binary

- |           |           |           |
|-----------|-----------|-----------|
| (1) 26    | (2) 56    | (3) 87    |
| (4) 143   | (5) 432   | (6) 504   |
| (7) 780   | (8) 1083  | (9) 1299  |
| (10) 1522 | (11) 2314 | (12) 4273 |

2. Convert following decimal numbers to binary

- |          |          |          |
|----------|----------|----------|
| (1) 1101 | (2) 1001 | (3) 202  |
| (4) 4108 | (5) 6003 | (6) 0023 |

3. Convert following binary numbers to decimal

- |              |              |                |
|--------------|--------------|----------------|
| (1) 10       | (2) 1001     | (3) 1010       |
| (4) 11000    | (5) 10101011 | (6) 111101110  |
| (7) 11001101 | (8) 10100111 | (9) 1100011110 |

4. Convert following decimal numbers to octal

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|----------|----------|----------|
| (1) 6    | (2) 8    | (3) 132  |
| (4) 224  | (5) 532  | (6) 982  |
| (7) 1010 | (8) 1235 | (9) 3421 |

5. Convert following octal numbers to decimal

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|----------|----------|-----------|
| (1) 3    | (2) 10   | (3) 334   |
| (4) 472  | (5) 526  | (6) 733   |
| (7) 7241 | (8) 6013 | (9) 10001 |

6. Convert following decimal numbers to hexadecimal

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|----------|----------|----------|
| (1) 2    | (2) 10   | (3) 15   |
| (4) 16   | (5) 243  | (6) 623  |
| (7) 1010 | (8) 1341 | (9) 6522 |

7. Convert following hexadecimal numbers to decimal

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|----------|---------|---------|
| (1) 9    | (2) 11  | (3) 1A  |
| (4) 3B3  | (5) 40C | (6) ABC |
| (7) 1001 | (8) F0C | (9) 16D |

