



ANSWER KEY – 16 TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 07.07.2020

➤ Choose the correct option:

(1X15=15)

1) $(1100)_2$ to its octal equivalent gives:

- (a) 13 **(b) 14** (c) 15 (d) None of these

2) $(A1)_{16}$ to its octal equivalent gives:

- (a) 241** (b) 421 (c) 142 (d) None of these

3) $(77)_8$ to its hexadecimal equivalent gives:

- (a) 3F** (b) F3 (c) AF (d) None of these

4) $(A1)_{16}$ to its binary equivalent gives:

- (a) 11110000 (b) 10101011 **(c) 10100001** (d) 11100001

5) $(111111)_2$ to its octal equivalent gives:

- (a) 44 **(b) 77** (c) 66 (d) 55

6) $(3F)_{16}$ to its octal equivalent gives:

- (a) 44 **(b) 77** (c) 66 (d) 55

7) $(14)_8$ to its binary equivalent gives:

- (a) 1001 (b) 1101 (c) 1010 **(d) 1100**

8) $(1111)_2$ to its hexadecimal equivalent gives:

- (a) B (b) C (c) D **(d) F**

9) $(F)_{16}$ to its octal equivalent gives:

- (a) 17** (b) 71 (c) 77 (d) None of these

10) $(F)_{16}$ to its binary equivalent gives:

- (a) 1100 (b) 1011 **(c) 1111** (d) 1110

11) $(B7)_{16}$ to its octal equivalent gives:

- (a) 267** (b) 283 (c) 277 (d) 625

12) $(B7)_{16}$ to its binary equivalent gives:

- (a) 10110110 **(b) 10110111** (c) 10101010 (d) 10101011

13) $(267)_8$ to its hexadecimal equivalent gives:

- (a) B6 (b) B10 **(c) B7** (d) B1

14) $(10110111)_2$ to its hexadecimal equivalent gives:

- (a) B6 (b) B1 (c) B10 **(d) B7**

15) $(1100)_2$ to its hexadecimal equivalent gives:

- (a) A (b) B **(c) C** (d) D

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