



ANSWER KEY – 12 TOPIC – DATA REPRESENTATION

SUBJECT: COMPUTER APPLICATION
F.M.:15

CLASS: XI
DATE: 01.07.2020

➤ Choose the correct option:

(1X15=15)

1) $(11)_{10}$ to its binary equivalent gives:

- (a) **1011** (b) 1101 (c) 1110 (d) None of these

2) A decimal number should be divided by ____ to convert it into octal equivalent:

- (a) 2 (b) 10 (c) **8** (d) 16

3) The number of digits in hexadecimal number system is:

- (a) 2 (b) 10 (c) 8 (d) **16**

4) A decimal number should be divided by ____ to convert it into hexadecimal equivalent:

- (a) 2 (b) 10 (c) 8 (d) **16**

5) The Octal equivalent of $(101)_{10}$ is:

- (a) 45 (b) 154 (c) 541 (d) **145**

6) The binary equivalent of $(96)_{10}$ is:

- (a) 1100110 (b) **1100000** (c) 1010101 (d) 1111000

7) A decimal number should be divided by ____ to convert it into binary equivalent:

- (a) **2** (b) 10 (c) 8 (d) 16

8) Which of the following number does not belong to octal number system?:

- (a) 123 (b) 717 (c) **184** (d) 175

9) Which of the following belongs to all decimal, octal & hexadecimal number system?:

- (a) FFA (b) **174** (c) 184 (d) None of these

10) A decimal number should be divided by ____ to convert it into base 17 number system:
(a) 12 **(b) 17** (c) 18 (d) 16

11) The hexadecimal equivalent of $(321)_{10}$ is:
(a) 134 (b) 40 (c) 104 **(d) 140**

12) The octal equivalent of $(56)_{10}$ is:
(a) 707 (b) 10 **(c) 70** (d) 7

13) D represents _____ in hexadecimal:
(a) 10 (b) 11 (c) 12 **(d) 13**

14) The binary equivalent of $(17)_{10}$ is:
(a) 10101 **(b) 10001** (c) 10111 (d) 11001

15) The hexadecimal equivalent of $(109)_{10}$ is:
(a) 6B (b) 6C **(c) 6D** (d) 6E

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