**SUMMER VACATIONS HOMEWORK FOR CLASS 7TH COMPUTER**

Lesson :1

Number System.

Fill in the Blanks:  
**1.**The base of Binary number system is................. **.**  
2.       The base of **decimal number** system is ......................  
3.       Octal Number system consists of **....................**digits.  
4.       In Binary addition 1 +1 equal to  **........................**  
5.       **......................**number system is understood by the computer system.  
6.       **.......................** uses 16 symbols to represent numbers.  
7.       In Binary subtraction , 1-1 equals ................................. .

State True or False:-  
1.       The decimal number system consists of 10 digits i.e. 0 to 9.     (............)  
2.       The method to perform division of two binary numbers is not same as that of decimal numbers. **(..............)**  
3.       1 multiplied by 0 equals to 0.      **(.............)**  
4.       Charles Babbage introduced the concept of 0 (Zero).        **(..............)**  
5.       The numbers used in Octal number system  are 1 to 7.     **(..............)**

Multiple Choice Question:  
1.       …………. Introduced the concept  of 0 (Zero).  
**a.**Ada Lovelace                  b. Aryabhat                  c. Bill Gates                    
2.       A ……………….  Converts the decimal format in to its binary equivalent.  
**a.**Digital Computer                        b. Cell Phone                c. Abacus         
3.       A computer understand only ………. Code.  
a.       English                           b. French                      c. Binary                        
4.       In Binary multiplication 1×1 equals to  ……………………….  
a.       0                                     b. 1                              c. 2                                 
5.       To convert Decimal number in to Binary number , divide the Number  by ………………………….  
a.       2                                     b. 8                              c. 10

Application Based Question:

Q.1. Ratika’s computer teacher asked her to convert the octal number to Decimal number. Suggest her  the method which she should apply in converting the Octal number.

Answer:- Divided By 10.

Q.2. The teacher has given an assignment to Saurabh on Binary subtraction. Subtraction. Is confused how to subtract 1 from 0. Help him in solving the problem.

Answer: with Borrow.

Answer the following:

Q.1. Explain Number system and its commonly used types.

Q.2. What are the rules to convert a decimal number in to Binary Number?

Q.3. Write the rules to multiply two Binary Numbers.

Q.4. Briefly explains the Octal Number system.

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Lesson 11.

**SURFING NET AND EMAIL**

Fill in the Blanks:

Answer in one word or a sentence

1. Which icon represents an attachment? **(Paper Clip)**
2. Name an e-card website. ([**www.123greeting.com**](http://www.123greeting.com/)**)**
3. What do you call the underlined text that generally has blue color? **(Hyperlink)**
4. Where do we find the information about all the mails that we receive? **(Inbox)**
5. Which Button is pressed after composing an e-mail> **(Send Button)**
6. Name of easy to create website that allows users to share their thoughts with the world? **(Blog)**
7. Where do we type the web address of any website? **(Address bar)**
8. Where do we find the “Connect to internet” icon? **(Desktop)**
9. Name any two popular online social networking sites. **(Twitter, Facebook)**
10. What are the text based messages called which are sent and receive ton twitter? **(Tweets)**
11. Name the application software that allows us to view different websites**. (Web Browser)**
12. Which feature is used for sending mails over the internet? **(E-Mail)**
13. Name the popular internet service to send and receive typed message instantly in a 2-way communication. **(Chatting)**
14. Which special character is a must in the E-Mail address?**(@)**
15. Which symbol separates the email addresses if we are sending the same mail to many people?**(comma)**
16. Who is considered to be the founder the World Wide Web? **(Tim Berners Lee)**
17. What do we call the text which is automatically added to outgoing mail? **(Signature)**
18. Name the founder of Google. **(Larry Page and Sergey Brin)**
19. How many parts does and e-mail consist of? **(2)**
20. What is the process of browsing the various web pages one after another called? **(Surfing)**
21. What is the collection of inter linked web pages known as? **(website)**

Abbreviation :-

1. VIRUS:- **:-**Vital Information Resources Under seize
2. VDT:-Visual Display Terminal
3. PPM:- Pages Per Second
4. CAL:- Computer Aided Learning
5. COBOL:- Common Business Oriented Language
6. FAT:- File Allocation Table
7. ISOC:-Internet Society
8. DOT:- Department of telecommunication
9. LCD:- Liquid Crystal Display
10. POST:- Power On Self-Test