



JAFFNA HINDU COLLEGE

Risk Holiday Self - Education Worksheet - 2020

Grade - 08 | Information & Communication Technology

Name/Index No :

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Unit 01 –Number System

1) What is the meaning of number system?

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2) Write different types of number systems and their symbols and base values?

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3) What is the meaning of base value?

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4) Write the correct name of number systems for below numbers?

- a. 1001 :
- b. 3524 :
- c. 1985 :
- d. 648E5 :
- e. 5269 :

5) Expand the decimal numbers and draw the counting frame for given numbers.

- a. 241 :
- b. 1658 :
- c. 5643 :
- d. 31148 :
- e. 752 :

6) Expand the Binary numbers and draw the counting frame for given numbers.

- a. 101_2 :
- b. 1100_2 :
- c. 101110_2 :
- d. 1110010_2 :
- e. 10101011_2 :

7) Convert the following decimal numbers to binary numbers.

- a. 48 :
- b. 124 :
- c. 459 :
- d. 885 :

- e. 1286 :
- f. 1478 :
- g. 1896 :
- h. 2101 :
- i. 2540 :
- j. 2843 :

8) Convert the following Binary numbers to Decimal numbers.

- a. 101_2 :
- b. 1011_2 :
- c. 1111_2 :
- d. 1000_2 :
- e. 10010_2 :
- f. 100111_2 :
- g. 1010100_2 :
- h. 10001111_2 :
- i. 1110001111_2 :
- j. 10111000110_2 :

9) Write Five devices name that are input the data into a computer?

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10) Write five examples for CPU?

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Unit 02 – Configuring and Formatting a Computer

1) Write four importance of setting up the date, time and time zone of a computer?

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2) Write the steps for changing the date, time and time zone of a computer?

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3) Write the attributes of file?

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4) Select the one file in your computer and give the examples for each attributes?

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5) Write two basic types of troubles in the computer?

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6) Write all computer ports and give an example for each port?

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7) Write five examples for hardware problems?

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8) Write the steps to solve the following problems in computer?

a. The computer does not function when the power button is pressed.

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b. The keyboard or mouse does not function.

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c. The monitor does not function.

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d. Faulty speaker.

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e. Network connection failure.

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9) Write two types of software problems?

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10) Write five examples for Application software?

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11) Write five examples for application software problems?

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12) Write three problems relating to operating system?

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