Research methods

Lec 1

1. …… is a creative and systematic word undertaken to increase the stock on knowledge?
   a. Search
   b. **Research**

2. Research is a search of knowledge, that is, a discovery of hidden truths?
   a. **True**
   b. False

3. The purpose of research is?
   a. To confirm existing knowledge
   b. **To contribute with a new discovery to existing knowledge**
   c. To collect existing knowledge into one place
   d. To discover something new for personal use

4. All the following are key terms in research definition, except?
   a. Creative
   b. Systematic
   c. Increase
   d. Stock of knowledge
   e. **Solution**

5. The term **"creative"** can refer to providing results that were previously discovered?
   a. True
   b. **False**

6. All the following are approaches for the idea to be creative, except?
   a. Provide new algorithm not been used before
   b. Investigate new fields
   c. Study unexpected issues
   d. **Carrying out the research on a logical basis**

7. Research can be random in its steps if it provides new solutions?
   a. True
   b. **False**

8. One of the following is not a step in the systematic research steps?
   a. **Share the idea in a conference**
   b. Review of the literature
   c. Develop your own hypothesis
   d. Consider how the findings may affect others in the domain

9. The third step in the systematic approach of research is?
   a. Review of the literature
   b. Develop your own hypothesis
   c. **Test the theory with a comprehensive experimentation**
   d. Consider how you findings may affect others in the domain

10. Doing a unique study without sharing it is considered as increase for the field of study?
    a. True
    b. **False**

11. Stock of knowledge is Limited to new data only?
    a. True
    b. **False**

12. Raw facts are considered?
    a. **Data**
    b. Information
    c. Knowledge
    d. Wisdom

13. The difference between information and knowledge is that information answers the **"what"**, but the knowledge answers **"why"**?
    a. **True**
    b. False

14. Knowing why Siberian cats have thick hair is information?
    a. True
    b. **False**

15. The ability to make sound decisions based on deep understating is?
    a. Data
    b. Information
    c. Knowledge
    d. **Wisdom**

Thank you

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