**University of Kufa.**

**College of Medicine**

**Unit of Postgraduate Core Biomedicine**

**2016-2018**

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**Student name::**

**Department: (specialty):**

Date of commencement: Sonday 9/12/2016

Last date of submission: Sonday 18/12/2016

 **Core Biomedicine Research Project Management and Problem Solving Tasks**

Note/ please carefully read this note.

*(This component of core biomedicine is an integrative component belongs to all three modules: Methodology, Biomedical Sciences and Biomedical Technology and integrates the outcomes of these three modules in a practical problem solving task.*

*Marks of assessment are added to the continuous assessment score in each of these modules.*

*Please take care about and try to do serious active contribution since its a final outcome of the core biomedicine)*

*Submit the task to the coordnator; Dr. Zainab Ali*

Q/ Of the following top ten health problems in Iraq, select the prior one theme to conduct a problem solving research about then fulfill requirements below:

(Tuberculosis, neoplasia, asthma, ischemic heart disease, diabetes mellitus, hypertension, hyperlipidemia, rheumatoid arthritis, beta-thalasemia and iron deficiency anemia)

**Justify each step of your research and name the bases of your justification**

1. Set the prior research problem out of the above ten.

2. Synthesize a standard research question.

3. Assign research question determinants (factors or exposure)

4. Specify research question outcomes (clinical and investigational parameters)

5. Specify your research domain (target sample)

6. Set a suitable study design ( experimental, case control, cross sectional, cohort, clinical trial, systematic review or meta-analysis)

7. Select plausible exclusion criteria for your sample

8. Select plausible inclusion criteria for your sample

9. Specify sample randomisation method.

10. Set the prior procedures and methods for processing your sample and detecting your outcomes taking in consideration their cost and quality

11. Specify the your data processing method and statistical analysis tests.

12. Review your scientific report writing

13. Assessment your writing honesty and plagiarism

14. Review ethical requirements for your research