Poultry farming is the form of animal husbandry which raises domesticated birds such as chickens, ducks, turkeys and geese to produce meat or eggs for food. It has originated from the agricultural era. There is a great market for commercial poultry farming in Bangladesh. And it is already an established business opportunity. The economic system of Bangladesh is mostly dependent on agriculture and agricultural related production. Poultry products like meat and eggs are the main source of animal protein for Bangladeshi people. Suppose, Department of Computing and Information System wants to develop a smart farming system where Robotics as well as automation system will be used for monitoring all types of observation of that farming. CIS department will mainly responsible to develop the software of that farming system. Now, clarify all the following tasks according to this scenario.

[Instructions: Give clear and concise answers for every subtask. Use examples if necessary]
Total Marks: 35

- **Subtask 1: [10 marks]**
  a) Your pictorial plan to handle the smart farming system using project management concept. **[5]**
  b) Your Facing challenges to manage this project along with necessary example. **[5]**

- **Subtask 2: [5 marks]**
  a) How can the project management lifecycle will be incorporated in software development? [**5**]

- **Subtask 3: [Technical tasks, 10 marks]**

  a) How can you handle the facing problem by IT based infrastructure? **[5]**

b) Instigate innovative idea to develop the performance of smart farming system. **[5]**

- **Subtask 4: [Self Judgement, 10 marks]**
    a) How can you follow the trick to capture the project in your arena? **[5]**

    b) How society will be benefitted from your concept? **[5]**

General Instructions:

- ❖ **You have to submit the assignment in .docx or .pdf format (name it with your ID, such as 183-16-678.docx), Zip the file if any additional documents are required.**
- ❖ <u>Marks will be deducted accordingly if any plagiarism of work is provided.</u>