

# **University of Sargodha**

## **Department of Sociology & Criminology**

### **Subject: Logic & Critical Thinking**

**Mid Term Exam**

**Total Marks: 30**

**Submission Time & Date: April 18, 2020, 11:59 PM**

**Note: The answer paper will be submitted by sending email at given email address [azka.qazi@yahoo.com](mailto:azka.qazi@yahoo.com) within due date & time. All the students are advised to mention their names & roll numbers along with the solution papers.**

**Q1.** At the commencement of any study, it is said what is the subject matter of that study. As philosophy does to trace everything back to its grounds, logic explains the validity of thoughts on the basis of building and confirming of arguments. Explain the given questions in steps as per requirement. (15)

**Step 1:** Develop a clear image about the Subject matter of logic by reviewing the given reading material. (1.5 pages)

**Step 2:** Provide a clear introduction on the role of language & definition in logic by giving a detailed description of given readings of two authors including narration on fallacies. (2 pages)

**Q2.** Induction and deduction are two essential mode of reasoning in logic as deductive argument is an argument of such a form that if its premises are true, the conclusion must be true too. It is different with other non-deductive argument, where conclusion unavoidably goes beyond the premises. Explain as per requirement; (15)

- a.** After reviewing the given material give a detailed comparison of both including the essential characteristics & methods (2 pages)
- b.** Generalization goes from the particular to the universal. In other words, it involves the inductive leap. Perfect Induction, on the contrary, involves no inductive leap. Discuss in the views of suggested authors. (1.5 pages)

**Good Luck**