

**Second Semester FYUGP Degree (Reg/Sup/Imp) Examination
April 2026**

**KU2DSCPHL104 - INDUCTIVE LOGIC AND FALLACIES
2024 Admission onwards**

Time : 2 hours

Maximum Marks : 70

Section A

Answer any 6 questions. Each carry 3 marks.

1. Identify and define the fallacy of the following argument. Parents question a school about poor academic results. The principal responds: "Our school campus is very clean and beautiful."
2. Identify and define the fallacy of the following argument. "Please pass me in this exam. If I fail, my parents will be very disappointed."
3. What is inference, and how is it traditionally classified?
4. What is an argument by analogy?
5. Why does the number of similarities matter in analogy?
6. Identify the fallacy in the argument: "I wore my lucky socks and I won the game, so my socks must have brought me good luck."
7. Identify the fallacy in the argument. "No scientist has proven that ghosts don't exist, so they must be real."
8. Identify the fallacy in the following argument. "Each worker in the company is highly skilled. Therefore, the company will be successful."

Section B

Answer any 4 questions. Each carry 6 marks.

9. Analyse the importance of sample size and representation in statistical induction with an example.
10. Discuss why induction by complete enumeration gives certain conclusions using a classroom example.
11. Discuss why inductive reasoning is uncertain but unavoidable in science.
12. How is 'false cause' different from hasty generalisation?
13. Explain the fallacy of Amphiboly using an example.

1

14. What is the Accent fallacy? Illustrate with an example.

Section C

Answer any 2 questions. Each carry 14 marks.

15. Define causal reasoning. Analyse the conditions and features of the cause.
16. Explain and evaluate John Stuart Mill's five methods of experimental inquiry.
17. Explain the concept of a fallacy and discuss the difference between formal and informal fallacies.