# **Ph.D. PRELIMINARY EXAM in *Pharmaceutical Sciences:* student evaluation and scoring guide**

Candidate Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Evaluation/Guidance** | **Does not meet****Expectations** | **Meets****Expectations** | **Exemplary****Performance** |
| 1. **Problem Definition:** States the research hypothesis clearly and understands the gap in knowledge |  |  |  |
| 2. **Background:** Demonstrates sound knowledge of literature in the research area, and of prior work on the specific research problem |  |  |  |
| 3. **Impact of Proposed Research:** Demonstrates the potential value of the proposed research problem in advancing knowledge within the area of study and significance to improving health |  |  |  |
| 4. **Approach:** Provides a sound plan for applying state of- the-art research methods/tools to testing the hypothesis, shows a good understanding of how to use methods/tools effectively, describes the limitations of the methods and provides appropriate alternatives |  |  |  |
| 5. **Expected Results:** Provides a sound plan for analyzing and interpreting research results/data, including appropriate use of statistics |  |  |  |
| 6. **Timeline**: Has developed an appropriate timeline for completion of the proposal given the Approach |  |  |  |
| 7. **Quality of Written Communication:** Communicates research proposal clearly andprofessionally in **written** form |  |  |  |
| 8. **Quality of Oral Communication:** Communicates research proposal clearly andprofessionally in **oral** form |  |  |  |
| 9. **Critical Thinking:** Demonstrates capacity for critical thinking and problem solvent relevant to the capability to conduct independent research in the area of study |  |  |  |
| 10. **Broader Impact:** Demonstrates awareness of broader implications of the proposed research. Broader implications may include social, economic, technical, ethical, business, etc. aspects. |  |  |  |
| 11. **Ethical Aspects**: Demonstrates awareness of ethical aspects of the proposed research and tenets of responsible conduct of research in general |  |  |  |
| 12.**Subject Area Mastery:** Demonstrates mastery of the subject areas encompassed by one of the sub-disciplines of pharmaceutical sciences, i.e., pharmacology, medicinal chemistry or pharmaceutics |  |  |  |

**Overall Assessment:** based on the evidence provided in items 1 – 12 above.

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| **CRITERIA** | **PERFORMANCE RATINGS for PRELIMINARY EXAM** |
| ***Does NOT PASS Exam*** | ***PASSES Exam*** |
| **OVERALL, My rating of this preliminary exam is:** | **Does not meet****expectations** | **Meets****expectations** | **Exemplary****performance** |
|  |  |  |

***Examiner/Major Advisor: Please use the reverse side of this form for written commentary, providing an explanation for any items scored as “does not meet expectations” or detailed comments if the student does not pass. Please provide a copy of this completed evaluation form to the student; return the original SIGNED version to Debra Peters, 115 Pharmacy.***

# **Ph.D. PRELIMINARY EXAM in *Pharmaceutical Sciences* Student Evaluation: written comments on performance**

Candidate Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of the Examining Committee Member/Major Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of the Examining Committee Member/Major Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_