

**Bioinformatics & Systems Biology PhD program
PhD Qualifying Examination Evaluation Form**

Student Name:

Thesis Advisor:

Thesis Co-advisors (if any):

Date of examination:

Assessment	Indicator	Below average (1)	Average (2)	Expectation (3)	> Expectation (4)	1-4*
1) Extensive review of literatures	Interpret scientific data	Unable to Interpret data	Interprets data, but with some mistakes	Interprets data with rare mistakes; Draws proper conclusion	Explains the significance of data interpretation; Able to apply information for further study	
2) Research gap identification 3) Research question formulation 4) Hypothesis development	Identify / formulate key research problem or hypothesis	Most or all of key issues are not identified or defined inaccurately	Identifies some key issues. May have some Inaccuracies that interfere with meaning	Identifies most or all key issues. Some minor inaccuracies may be present, but do not interfere with meaning	Clearly, accurately, and appropriately identifies key issues	
5) Sensible methods proposing for solving research questions - Method selection - Experimental plan	Design right methods to solve specific problems	Unable to design methods to solve problems	Designs methods to solve problems but do not lead to results	Designs effective methods that solve problems	Designs effective, innovative methods that solve problems	
	Integrates elements from different disciplines to solve specific problems	Fails to relate elements from different disciplines	Sees some relationships between different disciplines, but doesn't see an application to solve specific problems	Establishes significant relationships between different disciplines; Sees an application to solve specific problems	Works with a multidisciplinary approach to solve specific problems	

* In order to pass the QE, the student must get an average score of '2.5' or higher from all indicators.

Assessment	Indicator	Below average (1)	Average (2)	Expectation (3)	> Expectation (4)	1-4*
6) Communication	Responds accurately to questions	Responds inaccurately or without sufficient information that determines his/her understanding	Responds with accurate information, but the information is too general or simplistic	Responds with accurate information that determines his/her understanding in subject area	Responds with accurate information that determines his/her superior knowledge in subject area	
	Delivers structured presentations / communications	Hard to follow; Jumpy sequence of information	Some of information presented in sequence	Most of information presented in logical sequence; Easy to follow	Most of information presented in logical sequence as interesting story; Easy to follow	
	Clearly expresses knowledge and ideas in writing	Always uses confused expressions; Very difficult to follow	Occasionally, uses confused, expressions; Difficult to follow	Expression can be understood; Easy to follow	Writing skills meet publication standards	
	Ethical writing	% plagiarism (see plagiarism report submitted by student)**				

* In order to pass the QE, the student must get an average score of '2.5' or higher from all indicators.

** If % plagiarism is unaccepted by the committee, the student must re-submit his/her proposal report within two weeks.

