NATIONALUNIVERSITY OF MODERN LANGUAGES
Faculty of Engineering & Computing
Department of Software Engineering

Entry Test – PhD (SE)

INSTRUCTIONS

- **The duration of the test is 180 Minutes (3 Hour).**

- **The test contains FOUR Sections, e.g. VERBAL, ANALYTICAL REASONING & SUBJECT SPECIFIC.**

- **A candidate has to score minimum 70% marks in aggregate (in objective sections) to pass the test.**

- **Fill in the appropriate circles/ovals. Multiple entries will NOT be entertained.**

- **After completion of the test, you have to return Question Paper & Answer Sheet both to the invigilators.**

- **Calculators & Mathematical tables are NOT allowed.**

- **Answers are to be attempted on answer sheets, which are being provided separately with the question papers.**

- **Rough work can be done on the back side of answer book, extra sheets will also be provided.**

- **Make sure that you do NOT write or mark anything on the question paper and/or answer sheet otherwise this will lead to cancellation of your paper.**

- **Keep your mobile phone turned off. Any mobile phone found Active / ON will be confiscated and candidate will be disqualified from the test.**

Section I (Verbal Section)

Section I contains 15 questions and carries 15 marks. Each question carries 01 mark. There is no negative marking.

Q. No. 1: A writer must not convey information with

    a. Precision   b.   Clarity
    b. Randomness   d.   Truth

Q. No. 2: We cannot predict whether he will go on a picnic or not. He is so _____

    a.   deleterious b.   offensive
    c.   feckless   d.   unpredictable

Q. No. 3: She wouldn't ask you if she _____ not sure.

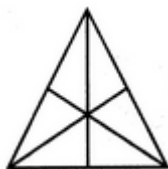   a.   was   b.   were
    c.   has   d.   had

Section II Analytical

Section II contains 15 questions and carries 15 marks. Each question carries 01 mark. There is no negative marking.

Q. No. 1: If a > b, b > c and d > a then?

    a.   b < d   b.   a < c
    c.   b > d   d.   c > d

Q. No. 2: Find the number of triangles in the given figure.

    a.   16   b.   13
    c.   9   d.   7

Section III (Software Engineering)

Section III contains 70 questions and carries 70 marks. Each question carries 01 mark. There is no negative marking.

Q. No. 1: Which one of the following is not a step of requirement engineering?
     a.   Design   b.   Elicitation
     c.   Documentation   d.   Analysis

Q. No. 2: Which two models don't allow defining requirements early in the cycle?

     a.   Waterfall & RAD   b.   Waterfall & Spiral
     c.   Prototyping & RAD   d.   Prototyping & Spiral

Q. No. 3: Which of the following life cycle model can be chosen if the development team has less experience on similar projects?

     a.   Spiral   b.   Waterfall
     c.   RAD   d.   Prototyping

Section – IV Subjective (Subject Specific- PhD SE)   (25 Marks)
(2 to 4 questions)

Q No.1 What are different phases in requirement engineering? Explain the Requirements Elicitation phase and explain different methods of Requirements Elicitation.