

## **Medi-Caps University**

### **Syllabus for Ph. D. Entrance Exam in Research Methodology**

#### **Research Methodology:**

Meaning of research, objectives of research, motivation in research, types of research-empirical and experimental research, algorithmic research, simulation research, mathematical modelling approach, characteristics and prerequisites of research, significance of research, research process, Sources of research problem, criteria of identifying the problem, necessity of defining the problem, formulation of a research problem, errors in selecting research problem, technique involved in defining the problem, Report and paper writing.