The study aimed to assess the nurses' knowledge and practice concerning Cesarean Section. A non-experimental design was carried out throughout the present study with the application of a descriptive approach for the study subject. The study was carried out at two maternity hospitals in Mosul city namely Al-Batool and AL Khansa Hospitals. The study subjects consist of (20) nurses who are working in operation theater. The questionnaire was used as a means of data collection; it comprised (3) major parts. Part one was presented in the demographic data sheet, which included different items on general information about Nurses. Part two, included a questionnaire to assess Nurses's knowledge about Cesarean Section. It was constructed through the use of (2) point-type for the assessment of Nurses's knowledge towards using Cesarean Section in operation theater. The rating score of the instrument was (1) for "know", and (0) for "don’t know", while Part three included a questionnaire to assess Nurse's practices about Cesarean Section. It was constructed through the use of (2) options for the assessment of nurse's practices during Cesarean Section in Operation Theater. Content validity was determined by presenting the items to a panel of experts. Reliability of the questionnaire (tools) was determined through the use of test and re-test approach and the interval between the two tests period was more than two weeks. It has been found that the mean age of the nurses was 35.85 ± 10.44 years, and 15% of them was less than 26 years. Sixty percent of them were married. For the level of education of the nurses, 55% of them were graduated from intermediate nursing schools. The mean duration of nursing work in hospitals was 17.95 ± 11.50 years, and about 20% of them have more than 30 years in nursing work. Additionally, about half of them have not worked in obstetric and gynecology departments. Depending on the findings and conclusions of the study, the researcher recommends that the Ministry of Health be more polite conduct-training courses to the Nurses who have qualifications to teach how to deal with Cesarean Section and the Nurses who work in maternity unit need clear policy, job description by Ministry of Health in the operation theater.