

NURSING INSTITUTE, JHENAIDAH  
REPUBLIC OF BANGLADESH

LECTURE 02

# FUNDAMENTALS OF NURSING

DIPLOMA IN NURSING SCIENCE AND MIDWIFERY

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# FUNDAMENTALS OF NURSING - VITAL SIGNS

## PULSE

### Questions:

- Write short note on: Pulse or Define Pulse or What is Pulse?

### Definition of Pulse:

The pulse is a wave of distension and elongation felt in an arterial wall due to the pressure changes during ventricular systole and diastole.

### Questions:

- Give the normal value of pulse / Write normal ranges of pulse.

### Normal Range of Pulse:

60-80/ min (average 72/ min) – at rest.

NOTE: The number of pulse (beats per minute) normally represents the heart rate.

Pulse:

- Radial
- Carotid
- Femoral
- Popliteal
- Posterior tibial
- Dorsalis pedis



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### Questions:

- What are the types of pulse?

### Types of Pulse:

#### 1. Arterial Pulse

- Systolic blood pressure
- Diastolic blood pressure
- Pulse pressure
- Mean arterial blood pressure

#### 1. Venous Pulse

# FUNDAMENTALS OF NURSING - VITAL SIGNS

## PULSE

### Questions:

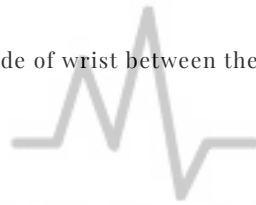
- List the points are to be noted during examination of radial pulse.

### Points to be noted during examination of radial pulse:

1. Rate
2. Rhythm
3. Character
4. Volume
5. Condition of Blood vessel wall
6. Delayed pulse.

### Radial Pulse:

The radial pulse is palpated over the thumb side of wrist between the tendons of brachioradialis and flexor carpi radialis muscles on the radial artery.



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