

## Supplement 1.

### Basic life support for lay provider pretest

Please mark the most correct answer on the answer sheet and do not write on the question sheet.

1. A man was electrocuted by an electric pole. He was found unconscious near the high voltage line. What is your best course of action?
  - a. Hurry to help immediately.
  - b. Ask someone else to call an ambulance, find an AED, and then help.
  - c. Ask another lay person to help.
  - d. Calling the Emergency Medical Service, and not enter the scene.

**Answer D**
  
2. One 40-year-old man fell unconscious on the side of the road, with few passersby. You found that the place was safe and helped. What is the first thing to do?
  - a. Immediately perform chest compressions.
  - b. Ask other people to call an ambulance and go to find the AED.
  - c. Call the ambulance yourself.
  - d. Tap the shoulder and call the patient.

**Answer D**
  
3. What is the emergency number used to call Emergency Medical Services?
  - a. 1150
  - b. 191
  - c. 1669
  - d. 1130

**Answer C**
  
4. Who needs CPR?
  - a. Desha who is fast breathing and palpitations
  - b. Somchai who feels chest tight
  - c. Phuthorn who feels dizziness and vomiting
  - d. Manoch who is unconscious and not breathing

**Answer D**
  
5. What is the first thing you should ask others to do when you go to assess of the patients?
  - a. Ask him to perform chest compressions.
  - b. Ask him to call an ambulance.
  - c. Ask him to bring the AED.
  - d. Ask him to call an ambulance and bring the AED.

**Answer D**
  
6. Which is most important of basic life support?
  - a. Help save the lives of patients
  - b. Prevent the patient to be more danger
  - c. Relieve the pain of the injured
  - d. Helping patients to not more costly services

**Answer A**

7. Which position should be arranged of cardiac arrested victims?

- a. Patients lies on his/her back on a soft surface.
- b. Patients lies on his/her front on a hard surface.
- c. Standing at an angle of 45 degrees to the wall.
- d. Patients lies on his/her back on a hard surface.

**Answer D**

8. What is the rate of chest compression?

- a. 30-50 times per minute
- b. 60-80 bpm
- c. 80-100 bpm
- d. 100-120 times per minute

**Answer D**

9. Which is correct about chest compressions?

- a. Compression at least 5 centimeters deep
- b. Rescue breathing always be done.
- c. When AED arrives, wait for 2 minutes before using it.
- d. Chest compressions should be stopped frequently to assess the patient.

**Answer A**

10. What is the location of chest compressions in CPR?

- a. Left chest wall
- b. The middle of the lower breastbone
- c. Right chest wall
- d. Any area Depending on convenience.

**Answer B**

11. While shocking the patient with AED, what you will do?

- a. Continue to compress the chest.
- b. Have the person who brings the AED to press the heart instead
- c. No one should touch the patient.
- d. Call an ambulance

**Answer C**

12. What is the sequence of instructions for using AED?

- a. Power on, paste pads, listen for analysis, electric shock
- b. Paste the pads, turn on the machine, defibrillate, listen to the analysis
- c. Power on, listen to analysis, paste pads, shock
- d. Paste the pads, turn on the machine, listen to the analysis, electric shock

**Answer A**

13. If the patient breathes before the ambulance arrives. What should you do?

- a. Continue with chest compressions.
- b. Call to cancel the ambulance.
- c. Make the patient wait for the ambulance alone.
- d. Set up a recovery position and standby of help

**Answer D**

14. While waiting for the AED to work. What should we help the patient?

- a. Continuously shake and call the patients.
- b. Transport patients to another location.
- c. Try to contact the relatives of patients.
- d. Continue to chest compression.

**Answer D**

## Basic life support for lay provider posttest

*Please mark the most correct answer on the answer sheet and do not write on the question sheet.*

1. What is the location of chest compressions in CPR?

- a. The middle of the lower breastbone
- b. Right chest wall
- c. Any area Depending on convenience.
- d. Left chest wall

**Answer A**

2. While shocking the patient with AED, what you will do?

- a. Have the person who brings the AED to press the heart instead
- b. No one should touch the patient.
- c. Call an ambulance.
- d. Continue to compress the chest.

**Answer B**

3. What is the rate of chest compression?

- a. 30-50 times per minute
- b. 60-80 bpm
- c. 80-100 bpm
- d. 100-120 times per minute

**Answer D**

4. Which is correct about chest compressions?

- a. Rescue breathing always be done.
- b. When AED arrives, wait for 2 minutes before using it.
- c. Chest compressions should be stopped frequently to assess the patient.
- d. Compression at least 5 centimeters deep.

**Answer D**

5. While waiting for the AED to work. What should we help the patient?

- a. Transport patients to another location.
- b. Try to contact the relatives of patients.
- c. Continue to chest compression.
- d. Continuously shake and call the patients.

**Answer C**

6. What is the sequence of instructions for using AED?
- Paste the pads, turn on the machine, defibrillate, listen to the analysis
  - Power on, listen to analysis, paste pads, shock
  - Paste the pads, turn on the machine, listen to the analysis, electric shock
  - Power on, paste pads, listen for analysis, electric shock

**Answer D**

7. If the patient breathes before the ambulance arrives. What should you do?
- Call to cancel the ambulance.
  - Make the patient wait for the ambulance alone.
  - Set up a recovery position and standby of help
  - Continue with chest compressions.

**Answer C**

8. What is the emergency number used to call Emergency Medical Services?
- 191
  - 1669
  - 1130
  - 1150

**Answer B**

9. Who needs CPR?
- Somchai who feels chest tight
  - Phuthorn who feels dizziness and vomiting
  - Manoch who is unconscious and not breathing
  - Desha who is fast breathing and palpitations

**Answer C**

10. A man was electrocuted by an electric pole. He was found unconscious near the high voltage line. What is your best course of action?
- Ask someone else to call an ambulance, find an AED, and then help.
  - Ask another lay person to help.
  - Calling the Emergency Medical Service, and not enter the scene.
  - Hurry to help immediately.

**Answer C**

11. One 40-year-old man fell unconscious on the side of the road, with few passersby. You found that the place was safe and helped. What is the first thing to do?
- Ask other people to call an ambulance and go to find the AED.
  - Call the ambulance yourself.
  - Tap the shoulder and call the patient.
  - Immediately perform chest compressions.

**Answer C**

12. Which position should be arranged of cardiac arrested victims?

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- b. Standing at an angle of 45 degrees to the wall.
- c. Patients lies on his/her back on a hard surface.
- d. Patients lies on his/her back on a soft surface.

**Answer C**

13. What is the first thing you should ask others to do when you go to assess of the patients?

- a. Ask him to call an ambulance.
- b. Ask him to bring the AED.
- c. Ask him to call an ambulance and bring the AED.
- d. Ask him to perform chest compressions.

**Answer C**

14. Which is most important of basic life support?

- a. Prevent the patient to be more danger
- b. Relieve the pain of the injured
- c. Helping patients to not more costly services
- d. Help save the lives of patients

**Answer D**