

FIRE CAPTAIN (PARAMEDIC) STUDY GUIDE

For question 1, you are to organize sentences into a paragraph. Read each of the following sets of sentences. Arrange each set so that the sentences best form an effective and logical paragraph (some sets may already be in their most effective and logical order). Then, for each set of sentences, select the answer that represents the best sequence.

1. What is the best sequence for the following four sentences?
 1. Some buildings have standpipe systems which serve fire hose outlets in various parts of the structure.
 2. A pre-plumbed system is especially important when firefighters must move water to great elevations.
 3. Otherwise tall buildings require the laying of hose up ladders, stairwells, fire escapes or the use of hose hoists.
 4. These systems allow the fire service to quickly place streams into operation in areas which may be difficult to reach.
 - A. 1, 2, 3, 4
 - B. 1, 4, 2, 3
 - C. 2, 3, 1, 4
 - D. 2, 3, 4, 1

2. The serious losses in life and property resulting annually from fires are cause for deep concern. Such unnecessary waste can be reduced. The substantial progress made in the science of fire prevention and fire protection during the past 40 years is convincing proof that the means are available for limiting this unnecessary destruction.

The main thought in the paragraph above is :

- A. Fires contribute to the destruction of life and property
 - B. The best fire protection methods cannot prevent some fire losses
 - C. Losses from fire have been steadily reduced during the past 40 years
 - D. If available means were applied, losses in life and property from fire could still be reduced materially.

3. According to Public Resource Code (PRC) 4446, an incinerator is illegal if:
 - A. It has 1/4" vent openings
 - B. It is constructed from a 55 gallon drum
 - C. The screen completely covers the top of the barrel with a 3/16" mesh
 - D. The area around the incinerator has been cleared 8 feet of flammable vegetation

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4. According to Public Resource Code (PRC) 4290 all driveways shall provide a traffic lane with a minimum width of:
 - A. 10 feet
 - B. 12 feet
 - C. 16 feet
 - D. 18 feet

5. According to the California Fire Code, hospitals are classified as occupancy:
 - A. Group B
 - B. Group E
 - C. Group H
 - D. Group I

6. The Situation Unit obtains, confirms, evaluates and displays the following:
 - A. Equipment and personnel status
 - B. Check-in locations and T-card resources
 - C. Intelligence reports and incident status summary
 - D. Incident action plan and incident organization chart

7. The one general statement which can be made regarding surface winds in mountainous terrain is:
 - A. Winds move upslope during the day and downslope during the night
 - B. Stable atmospheric conditions often produce erratic unpredictable winds
 - C. Winds are always unpredictable and can increase or decrease with no advance warning
 - D. Winds aloft will generally overcome surface winds between 1200 and 1600 hours during the summer months

8. All of the following must be established for escape routes **EXCEPT:**
 - A. More than one escape route
 - B. Scouted for loose soils, rocks, vegetation
 - C. Timed considering fastest person, fatigue, and temperature factors
 - D. Evaluate escape time vs. rate of spread

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9. What does the acronym GACC stand for?
- A. Geographic Area Command Center
 - B. Geographic Area Coordination Center
 - C. Global Area Coordination Center
 - D. Geographic Area Coordinating Command
10. Rinse water temperature for dishes should be a minimum of:
- A. 120°
 - B. 130°
 - C. 160°
 - D. 180°
11. Causes of adverse action are based on the:
- A. Labor Code
 - B. Government Code
 - C. Public Resources Code
 - D. Health and Safety Code
12. $120 \div 18$
- A. 6.66
 - B. 7.50
 - C. 7.20
 - D. 6.77
13. Documentation of unsatisfactory conduct or work performance involves the following
EXCEPT :
- A. Written statements from witnesses, if any
 - B. Any informal letters or memoranda to the employee calling for corrective action
 - C. Annual appraisal and development reports or probationary reports of below standard conduct or work performance
 - D. Emails blocking the employee from taking the matter up the chain of command

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14. Which National Fire Protection Association (NFPA) standard deals with fire service ground ladder testing and maintenance?
- E. NFPA 1701
 - F. NFPA 1931
 - G. NFPA 1500
 - H. NFPA 1932
15. Who is responsible for ensuring that personnel are made aware of life hazards on an ongoing incident?
- I. Emergency Command Center
 - J. Incident Commander
 - K. Safety Officer
 - L. Division Supervisor
16. A fire investigation starts:
- M. When the first suppression resources arrive at the fire
 - N. When the initial attack, first responders leave for the fire
 - O. When the investigator arrives at the fire
 - P. When the fire is first reported
17. A bull dozer with 210 horse power is classified in the Incident Command System (ICS) as a:
- Q. Type 1
 - R. Type 2
 - S. Type 3
 - T. Type 4

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ANSWERS

1. B
2. D
3. D
4. A
5. D
6. C
7. A
8. C
9. B
10. A
11. B
12. A
13. C
14. D
15. B
16. D
17. A

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1. Anaphylaxis may cause the vessels of the circulatory system to _____ while causing the smooth muscle of the respiratory tract to _____.
 - A. Constrict/dilate
 - B. Collapse/expand
 - C. Dilate/constrict
 - D. None of the above

2. An increase in the flow of cerebral spinal fluid (CSF) through the ventricular system in the brain can cause excess fluid retention. This is known as?
 - A. Hydrocephalus
 - B. Otitis Media
 - C. Cerebral Septal Deviation
 - D. Meningitis

3. Hyperventilation reduces?
 - A. CO₂ in the body
 - B. O₂ in the body
 - C. Serum cholesterol
 - D. Visual stimulus

4. The endocrine system will use _____ when sugars are unavailable due to low insulin levels.
 - A. Muscle tissue
 - B. Stored fats
 - C. Glucose
 - D. Dopamine

5. A patient with pre-eclampsia will most likely present with?
 - A. Vaginal bleeding
 - B. Protrusion of a limb from the vagina
 - C. Seizures
 - D. Hypertension and fluid retention

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6. An employer that receives an allegation of misconduct listed in the Health and Safety Code must notify the Local Emergency Medical Services Agency (LEMSA) Medical Director within how long of receiving the complaint?
 - A. 24 hours
 - B. 3 working days
 - C. 5 working days
 - D. 48 hours

7. Who provides oversight for paramedic licensure and accreditation?
 - A. EMSA
 - B. Local Emergency Medical Services Agency (LEMSA)
 - C. CAL FIRE EMS Program
 - D. Both A and B

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ANSWERS

1. C
2. A
3. A
4. B
5. D
6. B
7. D