

GENERAL EFFICIENCY COMPETITION.

These competitions were carried out under the same conditions as in 1886. The following questions issued by the Inspector of Artillery are those for which the credits for answers given as recorded in the Tables were awarded by the Inspecting Officers:—

FIELD ARTILLERY, 1887.—OFFICERS.

QUESTIONS.—(VALUE, 5 EACH.)

1. Explain the meaning of Angle of Sight, Angle of Elevation, Lateral Deviation, Remaining Velocity, Angle of Descent.
2. Explain in general terms how the resistance of air affects the velocity and range of projectiles of different diameters and weights.
3. Under what circumstances would you use Shrapnel in preference to Common Shell? What are the chief points requiring attention in order to obtain the best results from the former?
4. State the principal points for consideration in the choice of a position.
5. State the detail for: In line limbered up to change front on a flank sub-division.
6. From line to change position to a flank.
7. From column of divisions to wheel into line.
8. From column of sub-divisions to form line for action, right or left, on the leading sub-division.

NOTE.—Not more than two of the above questions to be put to each Officer present at inspection. No special order of precedence to be observed, and the same question not to be asked twice. The last four questions to be answered practically on parade by different officers.

FIELD ARTILLERY, 1887.—N.-C. OFFICERS.

QUESTIONS.—(VALUE, 4 EACH.)

1. What difference in the Range will 3' elevation make at 1,350 and 1,500 yards.
2. State the rules for obtaining deflection.
3. At an estimated range of 1,450 yards the shell strikes 70 yards over, state the elevation for next round.
4. What difference will an additional half-tenth make in boring fuze at ranges of 1,000 and 1,700 yards?
5. Detail the ammunition carried in the gun limber.
6. What articles of equipment are carried on the gun carriage?
7. Explain the meaning of angle of elevation and angle of descent.
8. Explain the meaning of Point Blank, Range, Dispart.
9. What are the different natures of Artillery fire with reference to the horizontal plane?
10. Describe the action of the R. L. Fuze.
11. Describe briefly the 5 sec. Fuze.
12. State the general rules for Markers.
13. State the general duties of a N.-C. officer in charge of a guard.
14. State the intervals between files, sub-divisions and divisions.
15. State the general duties in action with four numbers.
16. State the instructions for drivers in limbering up to the Front and Right.

NOTE.—Not more than two of the above questions to be put to each Sergeant or Corporal present at inspection. No special order or precedence to be observed and the same question not to be asked twice.