

Marks. Ques.

- 10 7. What is the detonator used in the head of above fuze for R.B.L. guns, and why ?
- 5 8. What is a wedge wad, and why used ?
- 10 9. Describe a 40 pr. R.B.L. common shell.
- 15 10. Describe a 64 pr. R.M.L. shrapnell shell.

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GARRISON ARTILLERY, MATERIAL AND APPLIANCES.

Marks. Ques.

- 10 1. Name the different parts of a service block.
- 10 2. What is meant by (1) whipping, (2) seizing, (3) splicing, (4) frapping a rope, and (5) mousing a hook ?
- 10 3. What are the uses of (1) catspaw, (2) sheepshank, (3) double bend, (4) selvagee, (5) gasket ?
- 10 4. Give the rule for finding power gained by (1) a simple tackle, (2) a combination.
- 10 5. Give a list of the service tackles and power gained by each.
- 10 6. Describe an 18 foot light gyn with its tackle.
- 10 7. What are the important points to be observed in using a gyn ?
- 10 8. Describe the orders of the lever.
- 10 9. Give the general duties in shifting ordnance.
- 10 10. Describe briefly the operation of mounting a gun by plank and roller.

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GARRISON ARTILLERY—GUNNERY AND CONSTRUCTION OF ORDNANCE.

1. Describe the system of conversion of the 64 pr. R.M.L. gun of 58 cwt.
2. Describe the system of closing the breach of the 40 pr. Armstrong gun, and name the parts.
3. Describe the rifling of the 40 pr. gun.
4. What are the advantages and disadvantages of the breach and muzzle loading systems respectively ?
5. Describe the sights of the 64 pr. gun ———
6. Describe the sights of the 40 pr. R.B.L. gun.
7. Give the rules for laying.
8. What are the forces that act on a projectile during flight.
9. Give the practical rule for deflection.
10. What advantages are gained by rifling a gun ?

GARRISON ARTILLERY—COAST DEFENCE.

Marks. Ques.

- 8 1. Define the term "coast defence."
- 8 2. Define tactical unit.
- 12 3. Define gun captain, group, group officer, battery officer, fire commander, sub-commander, fort, section or sub-section.
- 12 4. Define fort manning.
- 10 5. How are groups and guns of groups distinguished ?
- 12 6. Give the general duties of a group officer.