

**Q.1 A) State True or False: (Any Eight)**

- |          |         |          |         |           |
|----------|---------|----------|---------|-----------|
| 1. True  | 2. True | 3. False | 4. True | 5. False  |
| 6. False | 7. True | 8. True  | 9. True | 10. False |

**Q.1 B) Fill I in the blanks: (Any Seven)**

- |                       |            |                     |                             |                |
|-----------------------|------------|---------------------|-----------------------------|----------------|
| 1. Nirmala Sitharaman | 2. 2 parts | 3. Borivali, Mumbai | 4. 120 steps per min        | 5. Kochi       |
| 6. Mumbai             | 7. Left    | 8. 206 bones        | 9. 15 <sup>th</sup> January | 10. 144 cadets |

**Ans 2 a) Discuss the various functions and duties of NCC cadet during and after disaster.**

Measures during disaster are:

- First aid treatments
- To provide foods
- To provide shelter
- Provide medicines
- Provide clothing

Post disaster measures are:

- Evacuating of people
- Recovery of dead bodies and their disposal
- Medical care of the injured
- Supply of food and drinking water
- Restoring Transport routes

**Ans 2 b) Fire fighting equipments:**

- ✓ Fire Extinguishers

- ✓ Stirrup Pumps
- ✓ Buckets/ Ghee tins (Water/ sand containers)
- ✓ Fire Beaters and Hooks

Ans 3 a) Types of Fractures:

- Simple or closed
- Compound or open
- Complicated

Ans 3 b) Types of wounds:

- Inside wound
- Lacerated wound
- Fractured wound
- Gun shot wound
- Shell wound
- Contusion

Treatment:

- First Aid to be given
- Send the patient to hospital in case of major accident
- Dressing of wounds

Ans 3 b) Items included in First Aid box:

- ✓ Bandage
- ✓ Cotton
- ✓ Anti-septic
- ✓ Needles
- ✓ Soap
- ✓ Gauze

Ans 4 a) Lying position:

Lying position is the most comfortable position from which to fire. The three essentials of good shooting are:

1. Position must be comfortable and hold so firm that the rifles gains a rock like steadiness.
2. The firer must aim correctly.
3. The trigger be pressed in such a way that aim is not disturbed.

**Breathing** – Aim correctly and then hold breathe while pressing the trigger.

Ans 4 b) Types of shooting targets:

- For Application firing, 1'x1' target, Aim to be taken at centre most circle.
- For grouping, 1'x1' target with a white patch in the centre of the bull is used.
- For rapid firing, 6 inches figure target is used.

**OR**

Ans 4 a) Theory of Snap Shooting:

- Miniature Range Snap shooting

Practice to be given in following stages:

1. Automatic alignment
  2. Automatic alignment with correct hold and trigger operation
  3. Stage 3,4 and 5
- Continuous Snap Shooting

Ans 4 b) Safety precautions taken on firing range:

- ✓ Use of Red flags
- ✓ Suspension of firing
- ✓ Inspection of Weapons

Ans 5) 1) **ARMY**

**Procedure of map setting**

(a) Map to Ground

(b) Ground to Map

(c) Finding own position

Ans 5) 4) Methods of finding North

- By Star
- By mountain
- By Masjid
- By Sun

5) 5) **Prismatic Compass:**

Parts of the compass are:

- Prism
- Ring
- Thumb ring
- Clamping screw
- Arrow
- Lubber line
- Hings
- Glass protector
- Tongue notch
- Tongue
- Hairline
- Eye hole
- Prism case
- Dial

**5 ) Short notes on the following: (NAVY)**

**Ans 5 ) 3) Types of Anchor:**

- **Danforth: Works best in sand and mud**
- **Hinged Plough CQR: Works Best in sand, rock and mud.**
- **Non Hinged Plough Delta Anchor: Works best in sand rock clay and mud.**
- **Bruce Anchor: Best for sand, rock, mud**

**Ans 5 ) 3) Parts of Sailing:**

- Block
- Boom
- Bow
- Centerboard
- Cleat
- Hull
- Keel
- Line
- Mast
- Rudder
- Stern
- Tiller
- Wheel

**Ans 5 ) 3) Securing and towing a boat:**

Boats can be fragile things, especially when being towed on some of our 'not-so-good' roads.

Correctly tying a boat down to a trailer is important to limit damage caused to the hull.

Boat trailers are flimsy affairs by and large and are designed to flex under a boat. If over-braced with straps that encompass the hull, that flex is lost and will be distributed elsewhere; likely in the hull.

Always use one strap at the rear end of the trailer, either over the hull as close as possible to a thwart seat or bulkhead for maximum strength. Or use two single straps to anchor each side of the stern to the trailer.

**Program : F.YB.A/ F.Y.BCom/ F.Y.B.Sc.(CBCGSS)(R-2019)(Sem IV)**

**Date : 16 Apr, 2019**

**MODEL ANSWER PAPER**

**QP CODE : 53204**

Only one anchor point should be used forward of that and that should be at the winch. Tied down so, the trailer can flex under the boat and take most of the road shock instead of transferring it to the hull