

**Q.1 A) State the following sentences are true or false (Any Eight) (8)**

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

**Q.1 B) Fill in the blanks (Any Seven) (8)**

1. General Bipin Rawat
2. 25 metres
3. Bible
4. White Blood Cell
5. 100
6. 1909
7. General
8. Hemorrhage
9. Left leg
10. Anandibai Gopalrao Joshi

**Ans 2) a) The main religions in India are: (08)**

- Hindu
- Muslim
- Sikh
- Isai
- Parsi
- Jain
- Buddha
- Christianity

**Ans 2) b) Freedom Struggle and National Movement in India: (07)**

1600- East India Company was established

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- 1857- First war of Independence
- 1906- Formation of Muslim League in India
- 1919- Government of India Act passed
- 1920- Non-Coperation Movement
- 1927-28 Visit of Simon Commission
- 1929-1930- Resolution of Purna Swaraj for India
- 1942- Quit India Movement

Ans 3) a) Precautions that should be taken for good turnout are:

- Dress must be clean
- Buttons with same colour of shirt/pant
- Dress will not lose/fit
- Proper haircut
- Proper shaving
- Proper cap
- Belt polished

Ans 3) b) The points that should be planned before conducting adventure training are:

- Plan should be realistic and not over ambitious
- Physical standards of the cadets.
- Finance
- Logistic plan
- Medical cover
- Gathering of information like topography, weather, routes, etc.
- Detailed briefing

OR

Ans 3) a) Types of adventure activities:

- Trekking
- Rock climbing
- Mountaineering expedition
- Para jumping
- Basic and advance mountaineering courses

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- Water skiing, sailing, kayaking, yatching
- Hang gliding
- White water rafting
- Para sailing
- Glider and Microlight flying
- Cycle/motor cycle expedition
- Rowing/Rafting expedition

Ans 3) b) Safety measures taken during camps:

- Get vaccinated
- Prepare safe food and water
- Include safe physical activities
- Avoid wild animals
- Fight the bug bite
- Avoid temperature and water related illnesses
- Protection from Sun

Ans 4) a) The best place to start Water Conservation is one's own house. Certain measures which can be adopted at home are:-

- (a) Ensure that there are no leaks in your house, in the pipelines, taps and toilets.
- (b) Use water efficient flushes and if possible, toilets with dual flushing systems.
- (c) Close taps while brushing your teeth, shaving or soaping your face.
- (d) Use water from washing of clothes for cleaning floors.
- (e) Use appropriate amount of detergent for washing clothes.
- (f) Close the shower tap whilst soaping your body.

Ans 4) b) Causes and consequences of Air pollution:

- Air pollution has a major impact on the **process of plant** evolution by preventing photosynthesis in many cases, with serious consequences on the purification of the air we breathe.
- The accumulation of gases in the atmosphere also generates environmental problems with sadly known consequences : acid rain, depletion of the ozone layer, global warming, the greenhouse effect, etc. The concentration of these gases in the atmosphere, mainly dioxide Of carbon, increases on average by 1% per year. This phenomenon is due to the properties of

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certain gases (carbon dioxide, methane, nitrous oxide, ozone and chlorofluorocarbons) to trap heat from the sun in the atmosphere, preventing it from returning to space after being reflected by Earth.

OR

Ans 4) a ) Role of NCC on personality development:

- Drill
- Intgration of cadets in camps
- Competitions
- Sports Adventure Activities

Ans 4) b) Role of leader in conflict management:

A logical thought process is essential for solving a problem or making a plan. Thereafter the leader's intention and his proposed method of execution must be made perfectly clear to all taking part. He must therefore acquire the ability to make decisions promptly when required and announce them authoritatively, concisely and clearly. The leader's power of decision results from his ability to remain unperturbed in a crisis. His greatest assets are the ability to think rationally when his men have ceased to think, to be decisive in action when they are paralyzed by fear.

Ans 5) 1) War movies

- Border
- Kargil
- Lakshya

Ans 5) 2) **ARMY**

Organisation of Infantry Battalion:

- 21 Officers
- 33 JCOs
- 765 Other ranks
- 32 Non combatant Enrolled (NCE)
- 1 Medical
- 1 JCO (AEC)
- 2 Nursing Assistant
- 2 AEC Havildar

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- 4 Armourour
- 4 mechanics
- 1 electician

In an Infantry battalion there is Battalion Headquarter, Headquarter Company and four Rifle Companies.

Ans 5) 3) Indo-Pak War

Kargil War.

- Kargil war also called as Kargil Conflict.
- It was an armed conflict between India and Paistani forces.
- This war took place in may & july 1999 in the Kargil district of Kashmir and along the Line Of Control.
- It is also reffered as Operation Vijay.
- The cause of war was the infiltration of Pakistani soldiers and Pak backed militants into areas on the Indian side of Line of Control to occupy the military posts vacated in the winter
- The Indian Army later supported by the Indian Air Force.
- The conflict officially came to an end on July 26, with India regaining its earlier hold on Kargil.
- Since 26 July is celebrated in India every year as Vijay Diwas or Victory Day.

Ans 5) 4) Trends in Multimedia

**World Wide Web**

-- Hypermedia systems -- embrace nearly all multimedia technologies and application areas. Ever increasing popularity.

**MBone**

-- Multicast Backbone: Equivalent of conventional TV and Radio on the Internet.

**Enabling Technologies**

-- developing at a rapid rate to support ever increasing need for Multimedia. Carrier, Switching, Protocol, Application, Coding/Compression, Database, Processing, and System Integration Technologies at the forefront of this.

**Navy**

Ans 5) 5) Precautions while Swimming.

- Swimming is a great workout because you need to move your whole body against the resistance of the water. **Swimming** is a good all-round activity because it: keeps your

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heart rate up but takes some of the impact stress off your body.

keeps your heart rate up but takes some of the impact stress off your body

- builds endurance, muscle strength and cardiovascular fitness
- helps maintain a healthy weight, healthy heart and lungs
- tones muscles and builds strength
- provides an all-over body workout, as nearly all of your muscles are used during swimming.
- being a relaxing and peaceful form of exercise
- alleviating stress
- improving coordination, balance and posture
- improving flexibility
- providing good low-impact therapy for some injuries and conditions
- providing a pleasant way to cool down on a hot day
- Life saving skill