

**Sample Paper 2021-22**  
**Class-X**  
**Subject: National Cadet Corps (076)**  
**First Term- MCQ**

**Time: 90 Minutes**

**SECTION-A**

**PART-I (Attempt any 16 Question)**

1. What is the weight of the bullet of the .22 rifle?  
a) 40 gms  
b) 42 gms  
c) 41 gms  
d) 43 gms
2. The angle formed between toe to toe in attention position is:  
a) 45 degree  
b) 20 degree  
c) 30 degree  
d) 10 degree
3. What is the average requirement of sleep in a day?  
a) 6 to 7 hrs.  
b) 7 to 8 hrs.  
c) 8 to 9 hrs.  
d) None of the above
4. Why is Weapons Training necessary?  
a) For self-defense  
b) For attack  
c) For hobby  
d) For show off
5. Drill is taught to NCC cadets to imbibe:  
a) Strength  
b) Discipline  
c) Endurance  
d) Leadership skills
6. The distance between the heels in stand-at-ease position is:  
a) 12 inches  
b) 13 inches  
c) 14 inches  
d) 15 inches
7. The weight of .22 Rifle MK IV is:  
a) 4 kg  
b) 3.93 kg  
c) 2.78 kg  
d) 3.20 kg
8. Drill brings about the coordination between:  
a) Hand & Legs  
b) Legs & Mind  
c) Mind & Body  
d) Rifle & Body

9. How many degrees does the cadet turn in wheeling?  
a) 45  
b) 60  
c) 75  
d) 90
10. Why is 'Forming of a squad' done?  
a) Change the formation  
b) change the direction  
c) Halt  
d) saluting
11. The weight of .22 Deluxe Rifle is  
a) 8 lbs 10 oz  
b) 6 lbs 3 oz  
c) 8 lbs 2 oz  
d) 6 lbs 2 oz
12. While passing an Officer, salute will be given at which pace?  
a) Second  
b) Third  
c) Fourth  
d) Sixth
13. The length of bullet of .22 Rifle is:  
a) 12mm  
b) 13mm  
c) 10mm  
d) 14mm
14. The motto of N.C.C. was adopted on:  
a) 23rd Dec 1947  
b) 23rd Dec 1957  
c) 25th Dec 1957  
d) 25th Dec 1947
15. What is the Composition and Strength for Guard of Honor for the Vice President and Prime Minister?  
a) 50  
b) 75  
c) 100  
d) 150
16. The full form of MPI is  
a) Man point of impact  
b) mean point of impact  
c) Main point of impact  
d) mid-point of impact
17. Give one word for the act of firing a shot.  
a) Cocking  
b) Shooting  
c) Suiting  
d) Grouping
18. Why is the red flag used when firing?  
a) To scare  
b) To tell that there is firing on the range  
c) For the Red Cross  
d) for decoration

**PART-II (Attempt any 16 Questions)**

19. Rashtriya Salute is given to the following Dignitaries?  
a) President and Governor  
b) Major General and Colonel  
c) Principal and Secretary  
d) Prime Minister and Chief Minister
20. The heating of milk to such temperature and for such periods of time, as required to destroy any pathogens without destruction of nutritive value is known as-  
a) Boiling  
b) Freezing  
c) Heating  
d) Pasteurization
21. Which are the two groups on the range that firers can be divided into?  
a) Firing group & Discipline group  
b) Discipline group & Rifle group  
c) Firing group & Target group  
d) Rifle group & Waiting group
22. Help given to a sick or injured person until full medical treatment is available is called as –  
a) Medicine  
b) Assurance  
c) Ambulance  
d) First aid
23. First aid is an application of ---  
a) Skills and knowledge  
b) skills and training  
c) Skills and techniques  
d) skills and happiness
24. First aid is also known as  
a) First assistance  
b) medical treatment  
c) Designed course  
d) first loss
25. Accuracy of the aim is essential for a successful shot. How can a good shooting be achieved?  
a) Simplicity of aim  
b) Point of aim  
c) Regularity of aim  
d) Consistency of aim
26. The group formed by NCC cadets who are employed to establish or take care of evacuation shelters and safe houses with the requirements of food, water and medicines is called  
a) First Aid Group  
b) Sanitation Group  
c) Shelter Management Group  
d) Relief Group
27. What is the primary reason for sustaining life on Earth?  
a) Availability of trees  
b) Availability of water  
c) Availability of gold  
d) Availability of solar energy

**Instructions: Consist of the following two items. Two statements, one labeled as Assertion A' and the other as 'Reason R'. You have to examine these two statements carefully and decide whether Assertion (A) and Reason (R) are individually true and if so, whether reason is the correct explanation of the assertion. Select the answer to these questions using the codes given below and mark your answer.**

**(a) Both A and R are true and R is the correct explanation of A.**

**(b) Both A and R are true, but R is not the correct explanation of A.**

**(c) A is true, but R is false.**

**(d) A is false, but R is true.**

28 (A) Conservation of natural resources is our moral responsibility.

(R) Plants grow only up to a certain age.

29 (A) Burns may be caused by heat either dry, by contact with fire or flame, or wet.

(R) A contact burn is a burn caused by touching a hot object.

30 (A) Non-Biodegradable pollutants pile up.

(R) Micro-organisms cannot decompose non-biodegradable substances.

31 (A) All cases of snake bite should be treated as a medical emergency.

(R) In snake bite, the poison is injected by the snake through a pair of hollow and deeply grooved biting fangs.

32 (A) Anything which interferes with respiration producing irregularities in breathing produces a condition known as Asphyxia.

(R) Asphyxia is caused due to drowning.

33 (A) Drill is defined as being instructed in military exercises which involves marching, saluting and turning.

(R) Drill inculcates a sense of discipline, improves bearing, smartness in appearance and turns out, creates self-confidence.

34 (A) Accuracy of the aim is essential for a successful shot.

(R) Good shooting can only be achieved with consistency of aim.

- 35 (A) Hazardous wastes have a serious damaging effect on the environment.  
 (R) Hazardous wastes contain heavy metals, cyanides, pesticides etc which are toxic, reactive or corrosive.
- 36 (A) Incidence of cancer is largely increasing currently.  
 (R) There is a growth of big industries around the world in the last decade.
- 37 (A) There is a growth of cases of wild animals entering the cities.  
 (R) National parks, Botanical Gardens, Sanctuaries and Biosphere reserves have been constructed to provide natural habitat to wild animals.

**PART-III (Attempt any 7 Questions)**

Read the data below and answer the questions that follow:

**Method of Waste Disposal in Malaysia**

Treatment	Percentage of Waste Disposed		
	2002	2006	Target 2020
Recycling	5.0	5.5	22.0
Composting	0.0	1.0	8.0
Incineration	0.0	0.0	16.8
Inert landfill	0.0	3.2	9.1
Sanitary landfill	5.0	30.9	44.1
Other disposal sites	90.0	59.4	0.0
Total	100.0	100.0	100.0

- 38 Which kind of treatment was maximum in the year 2006?
- a) Recycling  
 b) Sanitary Landfills  
 c) Inert Landfill  
 d) Other Sites

39 What was the target treatment for the incineration method for the year 2020?

- a) 16.8
- b) 44.1
- c) 8.0
- d) 3.2

40 Compared to 2002, the total reduction in 2006 of the other disposable sites was by what percentage?

- a) 21.04%
- b) 30.6%
- c) 30.39%
- d) 18.39%

41 Which waste treatment method improved considerably in the year 2006?

- a) Sanitary Landfill
- b) Recycling
- c) Composting
- d) Inert Landfill

**Read the paragraph and answer the questions given below. (Attempt any 3 questions)**

As armed forces protect the country at borders, NCC cadets play a big role during various emergency situations within the country. So, NCC is rightly called the second line of Defence. We have always seen them helping people during Floods, tsunamis etc. This time, the government decided to rope in the cadets of the National Cadet Corps (NCC), to help the Indian civil infrastructure in the fight against the widening coronavirus outbreak. The NCC moved to help the civilian authorities by extending the services of its cadets under a program called 'Exercise NCC Yogdan'. 25,000 cadets were mobilized to provide necessary local assistance.

Under the initiative, Exercise NCC Yogdan, a set of guidelines have been issued for temporary deployment of cadets to augment relief efforts and functioning of various agencies involved in fighting the outbreak. According to guidelines, cadets will not be employed in handling law and order situations or for active military duties. Only Senior Division boy and Senior Wing girl volunteer cadets above 18 years old are being mobilized in small and cohesive groups of eight to 20 under the supervision of permanent instructor staff or their associate NCC officers.

42 N.C.C. is called the second line of Defence because:

- a) It goes to the border to fight together with the armed forces.
- b) It helps in emergency situations within the country.
- c) It has the second place after the army.
- d) It provides help in the development of policies.

43 N.C.C. cadets voluntarily help in emergency situations like:

- a) Terrorist attack
- b) Attack on borders
- c) Missile attack
- d) NCC Yogdan

- 44 The program taken up by N.C.C. cadets to help the civil authorities was:
- a) Exercise Volunteer
  - b) Exercise Warrior
  - c) Exercise NCC Yogdan
  - d) Exercise Fitness
- 45 The NCC cadets were mobilized under the supervision of:
- a) PI staff and ANOs
  - b) Chief Minister
  - c) Group Commander
  - d) Prime Minister

### **Section –B**


### **SPECIALISED (ARMY)**

#### **PART-I (Attempt any 04 Questions)**

- 46 Who is the Supreme Commander of all the Armed Forces of the Country?
- a) Army General
  - b) Prime Minister
  - c) The President of India
  - d) Defence Minister
- 47 Which agency is in-charge of mapping and surveying?
- a) Archaeological survey of India
  - b) Survey of India
  - c) Parliament
  - d) Ministry of Tourism
- 48 What does Green colour depicts in a map?
- a) River
  - b) Hills
  - c) Forest
  - d) Farms
- 49 Grid lines that increase towards North is called:
- a) Grid North
  - b) Northing
  - c) Magnetic Variation
  - d) North Pole

- 50 Telephone was invented by
- |                     |                    |
|---------------------|--------------------|
| a) Thomas A. Edison | b) Graham Bell     |
| c) Thomas Newcomen  | d) Wright Brothers |
- 51 The age group eligibility for NCC Special Entry Scheme for men
- |          |          |
|----------|----------|
| a) 16-20 | b) 19-25 |
| c) 18-24 | d) 17-21 |

**PART-II (Attempt any 04 Questions)**

- 52 A \_\_\_\_\_ is an artificial object which has been intentionally placed into orbit
- |              |         |
|--------------|---------|
| a) Planet    | b) moon |
| c) Satellite | d) Sun  |
- 53  Symbol stands for
- |                |                 |
|----------------|-----------------|
| (a) Temple     | (b) Bridge      |
| (c) Metal Road | (d) Post Office |

**Following questions consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below: (Attempt any 2)**

- (a) Both A and R are true and R is the correct explanation of A  
(b) Both A and R are true but R is not the correct explanation of A  
(c) A is true but R is false  
(d) A is false but R is true

**54 (A):** The Integrated Headquarters of Ministry of Defense (Army) functions under the Ministry of Defence and is located at New Delhi.  
**(R):** Command HQs have field formations and static formations under them.

**55 (A):** Map is the geographical representation of land on a paper.  
**(R):** Magnetic Variation is the difference between Grid North and Magnetic North

**56 (A):** Information Technology or IT for short refers to the creation, gathering, processing, storage, presentation and dissemination of information, and also the processes and devices that enable all this to be done.



(R): IT stands firmly on the hardware and software of a computer and the telecommunications infrastructure

### PART-III (Attempt any 03 Questions)

**Read the passage below and answer the questions follows:**

A map represents selected natural and manmade features of the whole or part of the earth's surface on a sheet of paper. It has a definite scale and correct relative geographical positions and elevations. Symbols, colour differences and contours on map help to show the physical features i.e. mountains, valleys and plains. Maps show important natural and cultural features such as relief, vegetation, water bodies, cultivated land, settlements, and transportation networks, etc. These maps are prepared and published by the National Mapping Organization of each country. The science of making maps is called Cartography. For example, the Survey of India prepares the topographical maps in India for the entire country. A map, however, has one major limitation that it cannot show everything that exists on the ground.

57 The Survey of India prepares the \_\_\_\_\_ maps in India for the entire country

- a) Military
- b) Political
- c) Topographical
- d) Social

58 The science of making maps is called as \_\_\_\_\_

- a) Calligraphy
- b) Choreography
- c) Cartography
- d) Carbon dating

59 We can show the physical features on map with the help of


- a) Colours
- b) Conventional Signs
- c) Scale
- d) Calligraphy

60 We can show -----features of the whole or part of the earth's surface on a sheet of paper.

- a) Natural and manmade
- b) Natural and cultural
- c) Positions and elevations
- d) Everything

# Specialized subject (Navy)

## PART-I (Attempt any 04 Questions)

46. Indian Naval Ships were deployed for operations for the first time in \_\_\_\_\_
- a) Liberation of Goa in Dec 1960
  - b) Liberation of Goa in Dec 1947
  - c) Liberation of Goa in Dec 1950
  - d) Liberation of Goa in Dec 1961
47. COP stands for
- a) Chief of Personnel
  - b) Chief of Profession
  - c) Chief of Parade
  - d) Chief of Panel
48.  The badge shown is of which rank in the Navy?
- a) Captain
  - b) Lieutenant
  - c) Commodore
  - d) Commander
49. Role of Tankers ship
- a) Store fuel, fresh water and supply
  - b) Patrolling
  - c) Geographical survey
  - d) Operate aircraft and helicopters
50. How many types of Ropes are there?
- a) 2
  - b) 1
  - c) 3
  - d) 4
51. What does the double arrow denote?
- a) Course steered
  - b) Ship's ground track
  - c) Surface drift
  - d) Water track

**PART-II (Attempt any 04 Questions)**

52. There are how many systems of watches are on a naval ship

- a) 3
- b) 1
- c) 2
- d) 4

53. An instrument by which the depth of the water can be measured below the keel of the ship.

This helps us to prevent the ship from grounding is?

- a) Aircraft carrier
- b) Corvettes
- c) Offshore Vessels
- d) Survey ship

**Following questions consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:**

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

54. **(A):** Archana has won the cross country race every year.

**(R):** An Archana love video games

55. **(A):** The size and type of Anchors and cables depending on the tonnage and type of ship.

**(R):** Anchor and cable are used to hold the position of a ship in the water.

56. **(A):** A boat is steered with the help of a rudder when the boat is making headway through the water.

**(R):** The boat's Covaxin is not responsible for steering the boat.

### PART-III (Attempt any 03 Questions)

Read the passage below and answer the questions as follows.

By December 1, Naval Headquarters had instituted surveillance and patrolling exercise -Operation Chutney. The two ships positioned at Karwar, Rajput and Kirpan, had been withdrawn and Betwa and Beas, two anti-aircraft frigates, commenced patrol off the Goan coast at a distance of 13 kilometers. They were to report all ingress and egress -of shipping, aircraft and personnel-into and out of the Portuguese enclaves and to retaliate with necessary force if engaged by the Portuguese units in the air or on the surface. They did not observe any air activity other than four-engined and two-engined transport aircraft occasionally using this airfield, nor did they observe any flying activity from anywhere in the vicinity. All this convincingly indicated the absence of any other airfield in the area and also the absence of any Portuguese combat aircraft. The ships on patrol also maintained an effective watch on the only Portuguese man-of-war seen, the frigate Afonso de Albuquerque, whose movements between Anjadip Island and Marmagao were reported. It was also observed that other than the Albuquerque, there did not seem to be any other men-of-war of the Portuguese Navy of similar or larger size in the area.

57. The two ships positioned at Karwar, \_\_\_\_\_

- |                      |                   |
|----------------------|-------------------|
| a) Vikramaditya      | b) Betwa and Beas |
| c) Rajput and Kirpan | d) Shivalik       |

58. The frigate Afonso de Albuquerque, whose movements between \_\_\_\_\_ were reported

- |                                |              |
|--------------------------------|--------------|
| a) Anjadip Island and Marmagao | b) Calvim    |
| c) Vanxim                      | d) Cumbarjua |

59. How many Portuguese combat aircraft did they observe?

- |      |      |
|------|------|
| a) 2 | b) 0 |
| c) 1 | d) 5 |

60. The ships on patrol also maintained an effective watch on the only men-of-war of the Portuguese Navy

- a) U.S. Navy
- b) Pakistan Navy
- c) China Navy
- d) Portuguese Navy

### **Section-B**

#### **Specialized Subject (Air Force)**

#### **PART-I (Attempt any 04 Questions)**

46 Basic elements required in a map

- a) Title and Scale
- b) Legend and Compass
- c) Latitude and Longitude
- d) All of the Above

47 Which of the following is not a Transport Aircraft?

- a) C-130J
- b) C-17
- c) IL76
- d) MiG-27

48 Light Combat Aircraft (LCA) is manufactured by:

- a) India
- b) French
- c) Russia
- d) U.S.A

49 Operation Safed Sagar was a code name assigned to

- a) Drill Practice
- b) MiG 21
- c) IAF's airstrike during "Operation Vijay"
- d) Gnats

50 On a map, distance can be given in

- a) Kilometer
- b) Nautical Miles
- c) Statute Miles
- d) All of the Above

51 Aircraft Recognition helps MOP to

- a) Identify the aircraft as friend or foe
- b) Identify the size aircraft
- c) Identify the type of the aircraft
- d) Identify the crew of the aircraft

## PART-II (Attempt any 04 Questions)

52 What is the shape of the canopy for aircraft recognition?

- a) Inline
- b) Submerged
- c) Teardrop
- d) All of the above

53 SU-30 MKI is a

- a) Transport Aircraft
- b) Fighter Aircraft
- c) Training Aircraft
- d) All of the Above

**Following questions consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:**

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true but R is not the correct explanation of A
- (c) A is true but R is false
- (d) A is false but R is true

54 **(A):** In aviation maps and charts are used for navigation.

**(R):** It is used by pilots in aircraft to know their exact position and found their way.

55 **(A):** Gnats & MIG 21 aircraft were involved in the 1971 air campaign.

**(R):** IAF had scored its first jet-to-jet air combat victory in 1971.

56 **(A):** Meteorology is the study of the Earth's Atmosphere.

**(R):** It is used by pilots to identify the location and choose the best course.

## PART-III (Attempt any 03 Questions)

**Read the passage below and answer the questions as follows.**

The mission of AFA is to inspire and transform outstanding young men and women into courageous, dynamic, intellectual, and cultured young Air Warriors; motivated to lead one of the leading aerospace forces of the world in service to the nation. The training at the Air Force Academy is designed to inculcate moral values, leadership qualities, a sense of honor and duty, mental and physical prowess, a spirit of adventure, and the will to win, in the Flight Cadets. This is achieved by training in character building, discipline, military, and academic subjects, physical

exercise, drills, sports, and adventure activities. The underlying theme of activity at the Academy is the camaraderie and team spirit and a commitment to excellence. Duty, honor, integrity, and self-esteem are stressed during each stage of training; because these are important abstract qualities to be imbibed by every Flight Cadet. The curriculum and syllabi keep pace with current doctrines and technological developments, allowing the cadets at the same time to imbibe the basic principles/tenets of the military profession.

57 The mission of AFA is to inspire and transform outstanding youth to

- a) Be courageous
- b) Be dynamic
- c) Be intellectual
- d) All of the above

58 The training at the Air Force Academy is designed to inculcate

- a) Moral values
- b) Leadership qualities
- c) Both a and b
- d) None of the above

59 The underlying theme of activity at the Academy is

- a) Camaraderie
- b) Team spirit
- c) Commitment to excellence
- d) All of the above

60 Which abstract qualities are stressed during each stage of training

- a) Self-esteem
- b) Will to win
- c) Sportsmanship
- d) Peace

## Answers: Section-A

1	a	9	d	17	b	25	b	33	a	41	a
2	c	10	a	18	b	26	d	34	a	42	b
3	b	11	a	19	a	27	b	35	a	43	d
4	a	12	d	20	d	28	a	36	b	44	c
5	b	13	c	21	c	29	a	37	b	45	a
6	a	14	b	22	d	30	a	38	d		
7	b	15	c	23	a	31	b	39	a		
8	c	16	b	24	a	32	c	40	b		

### Answers: Section-B (Army)

46	c	49	b	52	c	55	c	58	c
47	b	50	b	53	b	56	a	59	b
48	c	51	b	54	b	57	c	60	a

### Answers: Section-B (Navy)

46	d	49	a	52	a	55	d	58	a
47	a	50	c	53	d	56	b	59	b
48	b	51	b	54	c	57	c	60	d

### Answers: Section-B (Air Force)

46	d	49	c	52	d	55	b	58	c
47	d	50	d	53	b	56	c	59	d
48	a	51	a	54	a	57	d	60	a