

National Cadet Corps (076)
SAMPLE QUESTION PAPER
CLASS XII 2024-25

TIME: 3 HOURS

Maximum Marks: 70

General Instructions

1. The question paper consists of two parts i.e. PART-I (49 marks) and PART-II (21marks).
2. Part-I is compulsory for all and it comprises of Section-A, Section-B and Section-C.
3. Part-II shall be attempted as per the chosen wing and it comprises of Section-D,Section-E and Section-F.
4. The paper consists of 01, 02, 04 and 06 mark(s) questions.
5. The answer to the 01 mark question is based on MCQ.
6. The answer to the 02 mark question should not exceed 50 words.
7. The answer to the 04 mark question should not exceed 150 words.
8. The answer to the 06 mark question should not exceed 250 words.

S. No.	PART-I: COMMON SUBJECTS (Total Marks : 49)	Marks
	SECTION A	
1.		
i)	India has inherited the _____ structure from the Government of India Act, 1935. a) Autocratic b) Federal c) Autonomic d) Political	1 (K/R)
ii)	In dressing, the front rank raises which arm when the rifle is in the position of short trail? a) Right b) Left c) Anyone d) None	1(A)
iii)	Which position is resumed by the cadet on command 'Tham' (halt)? a) Stand at Ease b) Stand Easy	1(C)

	c) Attention d) Salute	
iv)	By which skill, person learns precision, accuracy, coordination of body movements, patience and confidence? a) Shooting b) Map reading c) Ship modelling d) Aeromodelling	1(A)
v)	The shooting at the ranges helps an individual to master (1) this as a sport, (2) to have fun, (3) as a weapon for self-protection a) Only 1 b) 1 and 2 c) 1 and 3 d) 2 and 3	1 (C)
vi)	Assertion (A). Accuracy of the aim is essential for a successful shot. Reason (R). Good shooting can only be achieved with consistency of aim. a) Both A and R are true and R is the correct explanation of A. b) Both A and R are true and R is not the correct explanation of A c) A is true but R is false d) A is false but R is true	1 (A)
vii)	The creation of fire and its continuation requires: 1. Oxygen. 2. Sufficient heat to raise the temperature of fuel to its burning point or ignition. 3. Combustible or burnable material (solid, liquid or gas). a) 1&2 b) 2 &3 c) 1&3 d) 1,2 & 3	1 (C)
viii)	CRY stands for: a) Care Relief and You b) Child Response and You c) Child Relief and You d) Child Relief and Youth	1 (A)

ix)	The most common violators by drunken driving are: a) Children between 12-14 years of age b) Children between 14-18 years of age c) Children between 16-25 years of age d) Children above 25 years of age	1 (A)
x)	The Variometer is used for gauging the: a) Weight b) Height c) Width d) Breadth	1 (K/R)
xi)	Parasailing is not recommended if the person exceeds? a) 100 lbs b) 200 lbs c) 300 lbs d) 400 lbs	1 (A)
SECTION-B		
2.	Name four essential fundamentals of national unity. (OR) Name four pre-requisites to attain the objectives of national interest are:	2 (A)
3.	Enlist the relevance of NCC in unifying India.	2 (A)
4.	When is Wheeling used? .	2 (K/R)
5.	What is the purpose of SWOT?	2 (A)
6.	The NCC cadets can be a part of which groups to assist during natural disasters? (OR) What precautions can be taken to prevent kitchen fire?	2 (C)
7.	What should be emphasized by Govt. and NGOs for the effective control of drug abuse?	2 (A)

8.	<p>What are the types of waste? (OR) What are the types of Pollution?</p>	2 (K/R)
9.	<p>Explain the commands and procedure of Guard Mounting.</p>	4 (K/R)
10.	<p>Define the following terms: (1) Follow through (2) Declaration (3) Limber up (4) Trajectory (OR) What are the laws of aiming?</p>	4 (K/R)
11.	<p>Describe the steps to maintain hygiene by food handlers.</p>	4 (C)
12.	<p>Describe parasailing gear. (OR) Define Parasailing and explain its types.</p>	4 (A)
13.	<p style="text-align: center;">SECTION-C</p> <p>Read the paragraph and answer the questions given below. Proper execution of any command depends on the tone and the pitch of voice in which it is given. A properly delivered command is loud and distinct enough to be clearly understood by every person. It is given with an inflection, a cadence and a snap that inspire prompt, precise and simultaneous response and assists in producing effective results with the minimum of effort and strain. A word of command consists of two parts: 'Cautionary' and 'Executive'. As a guide and unless otherwise laid down, a cautionary word of command gives on the march, should start as the left foot comes to the ground. It should be drawn out during four paces and should be therefore ends as the right foot comes to the ground.</p> <p>1. The _____ and _____ determines the proper execution of a command.</p> <p>2. A word of command has two parts. They are _____ and _____.</p>	4x½=2 (Case)

14.	<p>The word 'personality' is originated from the Latin word 'persona', which means mask. An individual's personality is the complex of mental characteristics that makes them unique from other people. It includes all patterns of thoughts and emotions that cause us to do and say things in particular ways. Gordon Allport often referred to as one of the founding figures of personality. Psychology laid major emphasis on the uniqueness of each individual. Allport defined personality as the dynamic organization within the individual of those psychophysical systems that determine his characteristic behavior and thought.</p> <p>Modern psychological studies suggest that factors that have a lasting effect on an individual personality. One's personality can be influenced by the genes one may have inherited from either mother or father side or combination of both. The personality can also be influenced by the environment right from the early childhood through all the stages of development i.e. home, family, school, teachers, workplace etc. Education is another important factor in shaping the personality of an individual.</p> <p>Read the passage and answer the questions given below.</p> <ol style="list-style-type: none"> 1. What makes a person unique from other people? (1) 2. Who is known as the founding figures of personality? (1) 3. An individual's personality can be influenced by _____, _____ and _____. (3) 4. What is the meaning of latin word 'persona'? (1) 	6 (Case)
PART-II: SPECIAL SUBJECTS (ARMY WING) (Total Marks: 21)		
SECTION-D		
15.	Choose the correct answer.	5
i)	<p>Entry to NDA after 10+2 (through UPSC) is a type of _____ Commission.</p> <ol style="list-style-type: none"> a) Permanent b) Short Service c) Temporary d) NCC Special Entry 	K/R

ii)	In map reading, which types of maps are used? a) Atlas b) Relief c) Statistical d) Topographical	(K/R)
iii)	The length of 5.56 mm INSAS Rifle with bayonet is _____ a) 960 mm b) 1110 mm c) 1397 mm d) 1197 mm	(K/R)
iv)	Assembling of 5.56 mm INSAS is carried out in _____ sequence of stripping. a) Clockwise b) Anti Clockwise c) Parallel d) Reverse	(K/R)
v)	Assertion (A). The infantry battalion is the most important organization of the Army. Reason (R). Infantry has the sustenance power and motivation to fight till the end. a) Both A & R are true and R is the correct explanation of A. b) Both A & R are true but R is not the correct explanation of A. c) A is true and R is false d) A is false but R is true.	(A)
SECTION-E		
16.	Name any two gallantry awards given in the face of enemy (war time). (OR) Describe the age criteria and educational qualifications for NCC SpecialEntry.	2 (K/R)
17.	Define Magnetic Variation.	2 (K/R)
18.	When a map is said to be set?	2 (Create)
19.	Enlist any two facilities of Walkie Talkie. (OR) Describe various portions of the radio set.	2 (A)

20.	<p>What is camouflage? How personal camouflage is done? (OR) Name methods of judging distance. Explain any two.</p>	4 (C)
SECTION-F		
21.	<p>Read the paragraph and answer the questions given below.</p> <p>Cariappa served in Iraq, Syria and Iran from 1941– 1942 and then in Burma in 1943-1944. He spent many of his soldiering years in Waziristan. He earned his 'Mentioned in Despatches' as DAA and QMG of General (later Field Marshal) Slim's 10th Division. He was the first Indian Officer to be given command of a unit in 1942. By 1944, Cariappa was a Temporary Lieutenant-Colonel. After command, he volunteered to serve in 26 Division engaged in clearing the Japanese from Burma, where he was decorated with an “Officer of the Order of the British Empire.” In 1946, he was promoted as the Brigadier of the Frontier Brigade Group. Post-Independence, Cariappa was appointed as the Deputy Chief of the General Staff with the rank of Major General. On promotion as Lieutenant General, he became the Eastern Army Commander.</p> <p>1. In which year Cariappa was given command of a unit?</p> <p>a) 1941 b) 1942 c) 1944 d) 1946</p> <p>2. When was he promoted as Brigadier?</p> <p>a) 1939 b) 1944 c) 1946 d) 1951</p> <p>3. Which quality of General is being shown in the paragraph?</p> <p>a) Slavery b) Cowardship c) Anxiety d) Leadership</p> <p>4. After independence, Cariappa was promoted to which rank?</p> <p>a) Colonel b) Brigadier c) Lieutenant-Colonel</p>	4 (Case)

	d) Major General	
	PART-II: SPECIAL SUBJECTS (NAVY WING) (Total Marks: 21) SECTION-D	
15.	Choose the correct answer.	5
i)	Analyze the role of the Chief of the Naval Staff (CNS) in controlling the functioning of the Navy from IHQ. a) Vice Chief of the Naval Staff (VCNS) b) Deputy Chief of the Naval Staff (DCNS) c) Chief of the Naval Staff (CNS) d) Chief of Personnel (COP)	(Kn)
ii)	Evaluate the suitability of the Searcher as an example of a UAV that is fully controlled from a base and primarily used for surveillance. a) Hawk b) Falcon c) Searcher d) Eagle	(Kn)
iii)	Justify the importance of a sextant in maritime navigation by explaining its primary purpose. a) Determining wind speed b) Navigating using celestial bodies c) Measuring water depth d) Calculating ship's speed	(Kn)
iv)	Compare and contrast the characteristics of Natural Fiber Ropes by identifying which types belong to this category. a) Sisal b) Polyamide c) Polyester d) Aramid	(Kn)
v) *	Assertion: Naval communication has undergone significant changes due to advancements in technology. Reason: Modern navies strive for uninterrupted and jamming-free communication to achieve Maritime Domain Awareness (MDA). a) Both A & R are true and R is the correct explanation of A b) Both A & R are true but R is not the correct explanation of A.	(Appl)

	<p>c) A is true and R is false. d) A is false but R is true.</p>	
	SECTION-E	
16.	Explain the importance of reading a drawing in ship modeling according to the provided passage.	2 (Kn)
17.	<p>Explain the principle of cooling as a method of firefighting. (OR) Describe the principle of smothering as a method of firefighting.</p>	2 (Kn)
18.	Analyze the rationale behind the preference for the International Nautical Mile over alternative units of measurement in maritime navigation.	2 (App)
19.	<p>Evaluate the significance of Search & Rescue (SAR) operations in safeguarding lives during emergencies and disasters. (OR) Explain the technique involved in performing the Butterfly swimming style</p>	2 (U)
20.	<p>Describe the events leading to the sinking of INS Khukri as outlined in the passage. (OR) Describe the objectives and operational scope of Operation Chutney initiated by Naval Headquarters on December 1, 1961.</p>	4 (U)

SECTION-F

4
(Case)

21. Read the paragraph and answer the questions given below.

Naval Headquarters initiated Operation Chutney on December 1, establishing a surveillance and patrolling exercise to secure the maritime approaches. This operation involved the deployment of two anti-aircraft frigates, Betwa and Beas, which conducted a linear patrol along the Goan coast, positioned 13 kilometers away from the shore. Their primary objective was to monitor all incoming and outgoing traffic, including shipping, aircraft, and personnel, within the Portuguese enclaves. Additionally, they were authorized to retaliate with necessary force if engaged by Portuguese units either in the air or on the surface. This patrol, orchestrated by a relay of ships, persisted until after D-Day, undergoing minor adjustments in length and distance from the coast. While the ships primarily gathered intelligence related to merchant shipping, they accurately identified the presence of an airfield at Dabolim. Despite this, no air activity apart from occasional use by transport aircraft was observed, indicating the absence of other airfields and Portuguese combat aircraft in the vicinity. Furthermore, the patrol vigilantly tracked the movements of the Portuguese frigate Afonso de Albuquerque, discerning no other men-of-war of similar size within the operational area.

1. What was the primary objective of Operation Chutney?
- a) To conduct military exercises in the Goa coast
 - b) To secure the maritime approaches
 - c) To establish diplomatic relations with Portuguese enclaves
 - d) To monitor agricultural activities along the coast

	<p>2. Which ships were deployed for the patrol along the Goa coast?</p> <p>a) Rajput and Kirpan b) Delhi and Mysore c) Betwa and Beas d) Trishul and Marmagao</p> <p>3. How far were the ships positioned from the shore during the patrol?</p> <p>a) 5 kilometers b) 10 kilometers c) 13 kilometers d) 20 kilometers</p> <p>4- What action were the ships authorized to take if engaged by Portuguese units?</p> <p>a) Retreat to a safe distance b) Ignore the engagement c) Retaliate with necessary force d) Request assistance from Indian Navy</p>	
PART-II: SPECIAL SUBJECTS (AIR WING) (Total Marks: 21)		
SECTION-D		
15.	Choose the correct answer.	5
i)	<p>What do Air traffic services include?</p> <p>a) Area control service b) Approach Control Service c) Aerodrome Control Service d) All of the above</p>	(Kn)
ii)	<p>Major aviation weather hazards are</p> <p>a) moon b) clouds and precipitation c) sun d) stars</p>	(Kn)
iii)	<p>Which fighter aircraft is of French origin and serves as a single-seater air defence and multi-role fighter?</p> <p>a) Mirage-2000 b) MiG-29 c) c)MiG-21 BISON d) SU-30 MKI</p>	(Kn)

iv)	<p>During operation Safed Sagar , a Canberra on _____ was hit by ground fire.</p> <p>a) reconnaissance mission b) killing mission c) peace mission d) none of these</p>	(Kn)
v)	<p>Assertion: Air navigation is the art of guiding an aircraft through the air. Reasoning: Air navigation involves using various techniques and instruments to determine the aircraft's position, course, and altitude relative to the Earth's surface, as well as planning and executing the aircraft's route to reach its destination safely.</p> <p>a) Both A & R are true and R is the correct explanation of A b) Both A & R are true but R is not the correct explanation of A. c) A is true and R is false. d) A is false but R is true.</p>	(Appl)
SECTION-E		
16.	Explain the objectives of Air Traffic Services.	2 (App)
17.	<p>List any four Helicopters used by IAF.</p> <p style="text-align: center;">(OR)</p> <p>Name the various made-in-India aircraft of the IAF. Explain the role of any one of them.</p>	2 (Kn)
18.	<p>Why is a radar required in an aircraft?</p> <p style="text-align: center;">(OR)</p> <p>What are various types of Radar?</p>	2 (U)
19.	Name the headquarters of functional commands of Indian Air Force.	2 (Kn)
20.	<p>What are the forces acting on an aircraft in flight?</p> <p style="text-align: center;">(OR)</p> <p>Interpret the following terms:</p> <p>a) Lift b) Drag c) Aerofoil d) Angle of attack</p>	4 (an)
SECTION-F		
21	<p>Read the passage below and answer the questions as follows</p> <p>To begin constructing an aero model, carefully study the provided construction plans. Then, using sandpaper and sandblocks, shape various parts according to the blueprint. Next, affix the entire plan onto a drawing board to ensure accuracy. Assemble the parts according to the dimensions outlined in the blueprint. Apply dope with a brush in thin coats, repeating two to three times. Finally, sand off any excess dope using fine emery paper.</p>	4 (Case)

1. What should be thoroughly studied before beginning aero-modelling?
 - a) Aircraft
 - b) Construction plan
 - c) Helicopter
 - d) Ships
2. 2) Are sandpaper and sand blocks shaped on a drawing board?
 - a) True
 - b) False
3. 3) How often is dope applied with a brush in thin coats?
 - a) Once
 - b) Twice
 - c) Thrice
 - d) Four times
4. What is affixed onto a drawing board to ensure accuracy during construction?
 - a) Aircraft
 - b) Blueprint
 - c) Sandpaper
 - d) Construction plan