

National Cadet Corps (076)
SAMPLE QUESTION PAPER
CLASS XII (2025-26)

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 (21 marks).
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 35 words.
7. The answer to the 04 mark question should not exceed 80 words.
8. The answer to the 06 mark question should not exceed 150 words.

S. No.	PART-I: COMMON SUBJECTS (Total Marks : 49)	Marks
	SECTION A	
1.	Choose correct answer	
i)	Which of the following national interests are pre-requisites for obtaining national objectives? a) Sovereignty b) Separation c) Integrity d) Unity Choose the correct answer A) a, b and c only B) b, c and d only C) a, b, c and d D) a, c and d only	1
ii)	'Forming of squad' is done to change the -----of the squad or to conserve A) formation B) attention C) command D) discipline	1
iii)	How many cadets are required for Guards in Guard Mounting? A) 1+7 B) 2+6 C) 2+5 D) 1+8	1

Please note that the assessment scheme of the academic session 2024-25 will continue in the current session i.e. 2025-26.

iv)	The magazine catch is pressed ----- and the magazine is taken out. A) downwards B) left side C) upwards D) right side	1										
v)	Put the following in the sequential order of firing a shot i) Follow Through ii) Re-loading iii) Aiming Position iv) Firing A) i, iii, iv, ii B) ii, iii, iv, i C) iii, ii, iv, i D) iii, iv, i, ii	1										
vi)	Which ammunition is used on miniature ranges? A) 7.62 B) .22 C) 5.56 D) 81 mortar	1										
vii)	Which fire extinguishers contain dry chemicals or solution and are exclusively meant for extinguishing fires involving inflammable liquids such as oils, fats, or grease? A) CTC Carbon dioxide and Dry Chemical Extinguishers B) Foam Type or Dry Chemical Powder Extinguishers C) Soda Acid Extinguishers D) Water canon	1										
viii)	Match Column I (Methods of corruption) to Column II(Explanation) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Column I</th> <th style="width: 50%;">Column II</th> </tr> </thead> <tbody> <tr> <td>a) Bribery</td> <td>i) Use of threats</td> </tr> <tr> <td>b) Extortion</td> <td>ii) Misuse of one's powers</td> </tr> <tr> <td>c) Favoritism</td> <td>iii) Gift</td> </tr> <tr> <td>d) Abuse of discretion</td> <td>iv) Not qualified</td> </tr> </tbody> </table> <p>Choose the correct option A) a ii , b i, c iii, d iv B) a i, b ii, c iii ,d iv C) a iii, b iv ,c ii , d i D) a iii , b i, c iv , d ii</p>	Column I	Column II	a) Bribery	i) Use of threats	b) Extortion	ii) Misuse of one's powers	c) Favoritism	iii) Gift	d) Abuse of discretion	iv) Not qualified	1
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a) Bribery	i) Use of threats											
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ix)	Identify an international NGO from the options given below: A) Red Cross B) Seva Gram Yojna C) Shri Niketan Yojna D) HelpAge India	1										

x)	Assertion (A). A Variometer is the main instrument for gauging the ascent and the descent of the pilot. Reason (R). Parasailing at an altitude of more than 600 feet is discouraged, especially in close proximity to the shoreline or other objects. 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.	1
xi)	What should be the speed of wind during parasailing? A) Below 10 to 20 mph B) Below 9 to 25 mph C) Below 5 to 15 mph D) Below 7 to 18 mph	1
SECTION-B		
2.	a. How can education help to achieve national integration? OR b. What role is played by cultural and traditional values in unifying India with regard to NCC camps?	2
3.	How does the removal of casteism contributes to national unity?	2
4.	When is the short trail normally carried out?	2
5.	Why is time a valuable commodity?	2
6.	a. What precautions should be taken with regard to domestic kitchen fires? Enlist any two. OR b. What precautions should be taken with regard to fire in public places?	2
7.	Define Legal Drugs.	2
8.	What are the types of waste? OR Describe the role of the NCC cadets in curbing of pollution.	2
9.	Describe dismissing and falling out. What the difference is between dismiss and fall out?	4
10.	Which points should to be observed during snap shooting? OR Explain the laws of aiming?	4
11.	Elaborate any four methods of purification of water.	4

12.	Write in detail about the gear required to parasail? OR What are the safety tips advised by the Parasail Safety Council? Explain any four of them?	4
SECTION-C		
13.	Read the paragraph and answer the questions given below. Tez Chal' (Quick March). - March from the position of attention. (applies to all occasions including 'Get on Parade') with the band give the word of command on successive beats of paces i.e. 'Quick' on the left foot, 'March' on the right foot. On the command 'chal' (March) step off a full pace with the left foot and swing the right arm. . In marching, maintain position of attention and remain well balanced. Swing naturally from the shoulder, hands reaching as high as shoulder level in front and/to the rear. Hand kept closed and fingers slightly clenched always to the front. . Legs sufficiently bent at the knee, swung forward freely and naturally from the hip joints. The foot should be carried to the front, placed on the ground with the knee straight. A) How do we start the march in 'tez chal'? B) What should be kept in mind while marching? Mention any one	2(1x2)
14.	Read the paragraph and answer the questions given below. It is a well-recognized fact that the future of any nation is largely related to the quality of its human beings. In this context, development of the youth into confident leaders with requisite character qualities and personal attributes, so that they can take their place as responsible citizens of the country, assumes great importance. In order to achieve this objective the youth needs to be exposed to such activities which can help them in developing their personality and character. The major determinants of personality and character of an individual are: - biological (heredity, brain and physical features); cultural; family and social factors; and situation. NCC plays a major role in personality/ character development of the cadets. NCC helps in developing the overall personality of cadets through various activities like drill, interaction of cadets in camps, competitions, and sports adventure activities. A) What assumes great importance with regard to the future of any nation? B) Mention the major determinants of personality and character of an individual C) How does NCC helps in developing the overall personality of the cadets?	6 (2+2+2) 2 2(1/2x4) 2(1/2x4)

PART-II: SPECIAL SUBJECTS (ARMY WING) (Total Marks: 21)		
SECTION-D		
15.	Choose the correct answer.	5
i)	The age criteria for NDA is _____. a) 16 ½ - 19½ b) 17 -19½ c) 17- 20 d) 16 ½-18	1
ii)	If the North point is taken as zero degrees, the South will be----- degrees. a) 30 b) 45 c) 75 d) 180	1
iii)	What is the weight of 5.56 mm INSAS Rifle with empty magazine? a) 4.1 kg b) 3.69 kg c) 3.6 kg d) 2.5 kg	1
iv)	Assembling of 5.56 mm INSAS is carried out in _____ sequence of stripping. a) Clockwise b) Anti Clockwise c) Parallel d) Reverse	1
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.	1
SECTION-E		
16.	Name any two gallantry awards each given in war time and in peace time. OR Enlist any four non-gallantry awards.	2
17.	Draw the following conventional signs: a. Dry River bed b. contour c. metallad road with km stone d. International boundary	2
18.	How do we express rise and fall of slope while measuring gradient?	2
19.	Enlist any two facilities of a Walkie Talkie. OR Enlist various portions of the radio set.	2
20.	Briefly discuss any four methods of judging distance? OR Various factors are responsible for things to be seen. Enlist all of them.	4

SECTION-F		
21.	<p>Read the paragraph and answer the questions given below.</p> <p>Battle of Longewala Pakistan launched a counter-attack against India on the western front. On 4 December 1971, the A Company of the 23rd Battalion of India's Punjab Regiment detected and intercepted the movement of the 51st Infantry Brigade of the Pakistani Army near Ramgarh, Rajasthan. The battle of Longewala ensured during which the A company, though being out numbered, thwarted the Pakistani advance until the Indian Air Force directed its fighters to engage the Pakistani tanks. By the time the battle had ended, 38 Pakistani tanks and 100 armored vehicles were either destroyed or abandoned.</p> <p>About 200 Pakistani troops were killed in action during the battle while only 2 Indian soldiers lost their lives. Pakistan suffered another major defeat on the western front during the Battle of Basantar which was fought from 4 December to 16 December. By the end of the battle, about 66 Pakistani tanks were destroyed and 40 more were captured. In return, Pakistani forces were able to destroy only 11 Indian tanks. By 16 December, Pakistan had lost size able territory on both eastern and western fronts.</p> <p>A. What happened on 4 December 1971? (1) B. What happened by the time battle ended? (1) C. Write any two points with regard to western front. (2)</p>	4 X 1 = 4
PART-II: SPECIAL SUBJECTS (AIR WING)		(Total Marks:21)
SECTION-D		
15.	Choose the correct answer.	5
i)	<p>Services are provided for the safe and efficient conduct of flight. Which of the following best describes the given statement?</p> <p>A. Air Transport Services B. Air Control Services C. Air Traffic Services D. Air Advisory Service</p>	1
ii)	<p>Which of the following is a twin seater twin engine multirole fighter of Russian origin which carries 30mm GSH gun along with 8000 kg armament?</p> <p>A . Mirage 2000 B. SU -30 MKI C. MiG 29 D. MiG 27</p>	1
iii)	<p>This aircraft attained instant fame when Wing Cmdr. Varthaman shot down a superior F-16 aircraft of Pakistan after the Balakot strike. Identify the aircraft from the given options.</p> <p>A) Mirage-2000 B) Tejas C) SU-30 MKI D) MiG-21 BISON</p>	1
iv)	<p>What was the primary objective of Operation Safed Sagar conducted by the Indian Air Force?</p> <p>A) To conduct aerial reconnaissance in enemy territory B) To provide close air support to ground troops during the Kargil War C) To carry out peace missions in conflict zones D) To engage in air-to-air combat exclusively</p>	1

v)	Assertion: Air navigation helps pilots reach their destinations safely. Reasoning: Pilots use maps, instruments, and charts to plan and follow their routes during a flight. A) Both A & R are true, and R is the correct explanation of A. B) Both A & R are true, but R does not explain A correctly. C) A is true, and R is false. D) A is false, but R is true.	1
SECTION-E		
16.	What is the pronunciation of the numbers one, two, three and four as per RT procedures?	2
17.	Enlist any two basic parts of a radar. OR What is a continuous wave radar?	2
18.	Where are the headquarters of the following Operational Commands located? a. Central Air Command b. South Western Air Command	2
19.	What is air navigation? Write any two points OR Write about any one technique used for air navigation.	2
20.	Explain Bernoulli's Principle and its role in the generation of lift. (OR) What are the four forces acting on an aircraft during flight? Explain their functions.	4
SECTION-F		
21	Read the passage below and answer the questions as follows: Aeromodelling is the art and science of designing, building, and flying small aircraft, often as a hobby or educational activity. Its roots can be traced back to the 19th century when inventors and engineers sought to understand flight principles. Modern aeromodelling includes a variety of categories, such as free flight, control lines, and radio-controlled models. Free-flight models fly without active guidance, relying on precise engineering and environmental factors. Control-line models are tethered to a pilot who controls their flight path, while radio-controlled models use transmitters to manage speed, direction, and other functions remotely. With technological advancements, modern aeromodelling now incorporates lightweight materials, electric motors, and advanced software for enhanced performance. Aeromodelling is a popular recreational activity that is critical in aeronautical engineering education, offering insights into aerodynamics, propulsion, and structural design. Answer the following: i) What does modern aeromodelling include? (1) ii) What are free-flight models? (1) iii) What is aeromodelling? What changes have come into modern aeromodelling with technological advancements?	4 (1+1+2)
PART-II: SPECIAL SUBJECTS (NAVAL WING)		Total Marks:21

SECTION-D		
Q.15	Choose the correct answer.	5
i)	The essential qualification for General Service (Executive) in Indian Navy is – A) Graduation in any stream B) Final Year/ B.E. /B. Tech C) Post Graduation D) Doctorate	1
ii)	The role of submarines are----- a. Deterrence to enemy shipping. b. Mine Laying. c. Launching strategic missiles. d. Landing and recovery of agents and Saboteurs. Choose the correct answer A) a, b and c only B) b, c and d only C) a, b, c and d B) a, c and d only	1
iii)	This instrument is a rapidly spinning wheel, the axis of which is made to point along the meridian towards true north. Name the instrument. A) Magnetic compass B) Gyro compass C) Sextant D) Radar	1
iv)	One link on each side of a joining shackle is painted white and marked with a number of turns of seizing wire around the stud corresponding to the -----of the joining shackle. A) number B) turn C) adjacent D) opposite	1
v)	Assertion (A) Semaphore is a visual means of communication. Reason (R) Semaphore provides a rapid means for passing messages over short distances during daylight. 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.	1
SECTION-E		
Q.16	List any four tools required for ship modelling.	2
Q.17	A. If smoke is seen to be issuing from beneath a closed door then what will be first report and action? OR	2

	B. If the door is open or the fire is not behind the door then what will be first report and action?	
Q.18	Enlist any four information's shown on charts.	2
Q.19	A. What points should be kept in mind with regard to use of rudder in whaler sailing? OR B. Enumerate any eight parts of a whaler?	2
Q.20	Explain the systems of watches followed on a naval ship. OR What is a 'flotilla'? Write any four points related to it.	4
	SECTION-F	
Q.21	Read the passage below and answer the questions as follows: Besides carpentry tools, Power tools are also used for Ship Modeling. Power tools such as jigsaw Machine, drilling, grinding, buffing set, lathe set, wood turning set, saw and groover set, sanding and polishing set etc. are expected to produce accurate work pieces not only when the machine is new but throughout its working life. For this reason, the wear of the machine must not exceed certain limits, it must be watched and parts which are faulty due to wear or other damage must be replaced or repaired without delay. Therefore, repair and maintenance work must be carried out in accordance with preventive maintenance schedules. Power tools used in ship modelling are for better finish, speed of execution and mass production. However, the machines need to be kept operational and cadets must be trained to handle them with confidence for optimal exploitation, otherwise mishandling causing accidents leading to loss of material or injury. A. Why are power tools used in ship modelling? (1) B. What should be done for optimal exploitation of machines? (1) C. Enlist the power tools that are expected to produce accurate work pieces. (2)	4