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FOR CBSE CLASS 10 PREPARATION

CBSE Class 10 Sample Paper 2027 Solution (Marking Scheme) for NCC

EXAM	YEAR	TYPE	SUBJECT
CBSE Class 10	2027	Solutions	NCC

NCC (Subject Code 076)

Class X (2026-27)

MARKING SCHEME

PART-I COMMON SUBJECTS MAX. MARKS:49

SECTION A

1.	Choose the correct answer:	
I.	D- 1949 U 1 The NCC	1
II.	C- 30 degrees U 4 Drill	1
III.	C- 6 U 1 The NCC	1
IV.	C. केवल i और iii U 3-Civil Affairs	1
V.	A. Both (A) and (R) are true and (R) is the correct explanation of (A). U 7 Personality development & Leadership	1
VI.	B. a-iv; b-iii; c-ii; d-I U 5 Weapon Training	1
VII.	D. Only a and c U8Social Awareness and Community Development	1
VIII.	C. Co-ordination U 4 Drill	1
IX.	B. Diphtheria U9 Health & Hygiene	1
X.	A. Do study the weather forecast of the area of trekking U 6 Adventure Training	1
XI.	B. Geo-thermal U10 Environmental Awareness and Conservation	1
	SECTION B	
2A.	Excretory System – Excretion is process by which waste products are removed out of the body. Excretory Organs – Skin. Lungs, kidney and the gastrointestinal tract (any two of these) **OR** Respiratory System – Respiration is process by which oxygen is taken in and the carbon-di-oxide is taken out. Respiratory Organs – Nose, pharynx, larynx, trachea, bronchi and the lungs. (anu Two of these) U 9 Health & hygiene	2(1+1/2+1/2)
2B.		
3A.	Gandhi returned to India in 1915. He gave the call for non-cooperation in 1921 against the ills of the British rule. OR Bal Gangadhar Tilak was universally recognised as the 'Father of the Indian Movement'. He founded the Indian Home Rule League. U2 National Integration and Awareness	2(1+1)
3B.		
4.	List of documents needed for conducting firing. a. Firing Point Register b. Butt Register c. No damage Certificate d. Lead Deposit Certificate e. Details of ammunition and fired cases. (Any 4 of these) U5 Weapon Training	2(1/2x4)
5.	The purposes for which target group is put behind the firing point. a. Aiming b. Trigger Operation c. Holding	2(1/2x4)

Note: There is no change in the Question Paper Design and Assessment Pattern for Academic Session 2026-27.

	d. Remove obstruction/blockage e. Improvement Exercise and Coaching for the mistakes by the firers. (Any 4 of these) e. U 5 – Weapon Training	
6.	Core life-skills a. Self-awareness b. Empathy c. Critical-thinking d. Creative-thinking e. Problem-solving f. Decision-making (Any 4 of these) U 7 Personality development & Leadership	2(1/2x4)
7 A.	Ill-effects of female foeticide: a. Skewed sex ratio b. Female/women trafficking c. Increase in rape and assault d. Population decline (Any two of these)	2(1+1)
7 B.	**OR** Prevention of dowry a. Starting practice of dowry prohibition in your family by not accepting dowry. b. Educate the members of your family with the provisions of law that demanding and accepting or giving dowry is an offence. c. Encourage women to fight for their rights. d. Law enforcement (Any two of these) U8 – Social Awareness and Community Development.	
8 A.	Auxiliary fire services a. This consists of eight persons with trailer pump which can throw water at the fire from a distance. b. The members of this service are drawn from the Home Guards.	2(1+1)
8 B.	**OR** The kitchen fires can be prevented by following measures: a. Don't keep any inflammable material like petrol, kerosene or clothing near the fire or the gas. b. Before lighting the gas, ensure there is no gas leakage. c. Keep children away from gas or fire or stoves. (any two of these or any other relevant point) U3 – Civil Affairs	
9.	Hygiene of Food handlers- a. Complete medical examination of food handlers must be done at the time of employment. b. Regular health checkups should be done. c. They should be regularly educated on health and hygiene aspects. d. They should be constantly reminded about hand washing, trimming of nails, covering of hair, wearing of overalls and covering of mouth while coughing and sneezing during cooking. U9 – Health and Hygiene	4(1x4)
10A.	Points to be taken into consideration before the employment of NCC cadets during natural disasters.	4(1x4)

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	a. SW Cadets may be used for softer jobs like providing medical help or manning exchanges during strikes of nurses or telephone operators. b. Only SD Cadets may be found suitable for helping in natural disasters like earthquakes, landslides, floods etc. c. Suitable bonds would be required to obtained from the parents od the cadets. d. Adequate allowance would required to be allocated for the cadets taking part in these activities. (Any other relevant point)	
10B.	OR Precautions when storm hits – a. Stay indoors and take shelter in the strongest part of your house. b. Listen to the radio and follow instructions. c. Open windows of the sheltered side of your house if the roof begins to lift. d. Do not go outside or to a beach during a break in the storm. (Any other relevant point) U3 – Civil affairs	
11.	Characteristics of Yoga- a. The Yogic system of health involves the exercise of skeletal as well as the deep-seated smooth muscles of the body. b. Little expenditure of energy and money is involved in the yoga practices. c. The nature of yogic practices is psycho-neuro physical. d. The intra-thoracic and intra-abdominal pressure may be mentioned as special characteristics of the yoga system of health. (Any other relevant point)	4(1x4)
11B.	OR Wound – wounds can be defined as a break in continuity if the skin or muscle membrane. Aim of dressing a wound – a. To protect the wound from infection. b. To reduce swelling and early healing. c. To support the effected part. d. To enable the individuals to carry out his day-to-day routine. (Any three of these or any other relevant point) U9 – Health and Hygiene	4(1+3)
12.	The following qualities are inculcated among NCC Cadets due to NCC training- a. Discipline b. Character c. Comradeship d. Secular Outlook e. Spirit of adventure f. Ideals of selfless service. Institutional training is organised in schools and collages as parades. U1 – The NCC	4(3+1)
	SECTION C	
13.	a. The TSC is 12-day camp conducted in Delhi every year in the late autumn, in which the cadets are selected from all 17 directorates (30+3 SD/JD and SW/JW cadets from each directorate), by the selection procedure conducting 3 Pre-TSC camps each of 10/12 days in a week's interval.	1 1

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	b. Firing-it consists of two types-Shooting (Grouping, Snap shooting and application). It is done with a standard .22 rifle at the range of 25 meters and 50 meters. U1 – The NCC	
14.	i. C- Manmath Nath Gupta ii. B - 1922 iii. D- Robbery of a government treasury from a train iv. C- 6 July 1930 v. B- Rs 10,000 vi. D- Alfred Park U 2 National Integration and awareness	6(1x6)
	PART II SPECIAL SUBJECT (ARMY WING)	21
15	I. C. Sarvottam Yudh Sewa Medal U 1 Armed Forces II. B- U 3 Map Reading III. B. Appearance Method U4 Field craft and Battle Craft IV. B. Both (A) and (R) are true and (R) is not the correct explanation of (A). U4 Field craft and Battle Craft V. D. 19-25 U 1 Armed Forces	
	SECTION E	
16 A	A map represents manmade features of the whole or part of the earth's surface on a sheet of paper. These maps are prepared and published by the National Mapping Organisation of each country. OR	2(1+1)
16 B	The Grid is a systematic pattern on earth by laying a vertical and horizontal grid over the earth's layout. The vertical lines are called the longitude and the horizontal lines are known as the latitude. Combination of these lines are known as Grid lines. U 3 Map Reading	
17.	Advantages of Net Radio a. Vulnerable only at terminal and is therefore reasonably protected from enemy action except by direct hit. b. Flexible hence can be rapidly re-arranged in the event of regrouping. c. Rapid in establishing communication. (Any two of these or any other relevant point) U 5 Communication	2(1+1)
18.	Geographical Maps showing the structure of the rock formation below the top soil. Meteorological Maps showing information regarding winds, atmospheric pressures and so on.	2(1+1)
19	Information about Capt. Vikram Batra a. His Delta Company was ordered to recapture Peak 5140 on June 9, 1999. b. He was part of NCC Air Wing U- 2 Military History	2(1+1)
20 A	i Army Central Command - Lucknow	2(1/2x4)

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	ii. Eastern Command - Kolkata iii. Army Training Command - Shimla iv. South-Western Command – Jaipur	
20 B	Supporting Arms of Army a. Artillery. b. Engineers. c. Army Air Defence. d. Army Aviation Corps. e. Signals. (Any four of these) U 1Armed Forces	
	SECTION F	
21.	i. C. It allowed precise artillery fire on the Srinagar-Leh highway. ii. B. To divert the attention of the enemy iii. B. South-East and North-East. iv. D. He continued climbing the cliff despite being grievously injured and destroyed two enemy bunkers. U2 – Military History	4(1x4)
	PART II SPECIAL SUBJECTS (NAVY WING) **SECTION D** **भाग II स्पेशल सब्जेक्ट्स (नेवी विंग)** **खंड D**	
15.		
I.	B. Unified Command – Port Blair U1 – Naval Orientation	1
II.	A. MIM U2 – Naval Communication	1
III.	C. 22-27 years U1 – Naval Orientation	1
IV.	A. Both (A) and (R) are true and (R) is the correct explanation of (A). U3 - Seamanship	1
V.	D. These charts are generally of harbours and their approaches. U4 - Navigation	1
	SECTION E	
16A. 16B.	Echosounder- i. It is an instrument by which depth of the water can be measured below the keel of the ship. ii. This helps us to prevent the ship from grounding. OR Radar is Radio Aided Direction and Ranging. Three types of Radars are used in Navy. U4 - Navigation	2(1+1)
17.	A solid model is one made with a solid block of wood including the appendages and additional parts attached post preparation of the basic structure. The solid models are basically scaled to originally planned ship for purposes of show and testing/ models. U5 – Ship modelling	2(1+1)
18.	Types of Charts- i. Navigational Charts. ii. Routing Charts. iii. Magnetic Charts. iv. Ship's Boat Charts. v. Ocean Sounding Charts. (Any Four of these or any other relevant point) U 4 - Navigation	2(1/2x4)

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19A.	a. Age Limit – 21-25 years. b. Educational Qualification – 1. Master's Degree in Physics (Maths in B.Sc.) or Maths (Physics in B.Sc.) with at least 50% marks. 2. An Engineering Degree in Mechanical/Electrical/Electronics/Computer Science/IT with minimum 60% marks. OR Women direct entry in Naval Architecture Short Service Commision in Engineering branch Navy. a. Age Limit – 21-25 years b. Educational Qualification – BE in Mechanical/Aeronautical/Metallurgical/Civil/Naval Architecture with minimum 60% marks. U1 – Naval Orientation	2(1+1)
20A.	GPS - a. The full form of GPS is Global Positioning System. b. Modern navies use GPS for accurate launching of ballistic or continental missiles. c. GPS functioning uses 14 satellites located at different places in space. d. An user gets feed from the various satellites in his range and then gives the position after interrelating all the feeds. OR	4(1x4)
20B.	Dead Reckoning (DR) – a. This position is the most accurate that a navigator can obtain by calculation and estimation only. b. It is derived from DR position adjusted for the estimated effects of leeway, tidal stream, current and surface drift. (Any other relevant point) U 4 Navigation	4(2+2)
	SECTION F **खंड F**	
21.	i. D. To put pressure on Pakistan by displaying Indian Naval strength. ii. C. Vishakhapatnam. iii. D. Directed all it's units to keep clear of Indian ships. iv. D. Pakistan was left with only six days of fuel. U 1 Naval Orientation	4(1x4)
	PART II SPECIAL SUBJECT (AIR WING) **SECTION D** **भाग II विशेष विषय (एयर विंग)** **खंड D**	21
15.		
I.	D. Hawk. U2 – Aircraft Recognitions	1
II.	A. Y.E. Chavan U1 – Air Campaigns	1
III.	B. Both (A) and (R) are true and (R) is not the correct explanation of (A). U5 – Maps	1
IV.	A. Taper U2 – Aircraft Recognitions	1
V.	C. Only I and iii U1 – Air Campaigns	1

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	SECTION E **खंड E**	
16.	Ionosphere – a. The thermosphere is in a highly ionised state and is hence called ionosphere. b. This layer causes reflection of radio waves and makes ling waves radio communication possible. U4 – Atmosphere	2(1+1)
17A.	Static Models of Aircrafts – a. These are the miniature replicas of original aircrafts. b. The following aircrafts can be prepared as static models- • Fighter aircraft models • Transport aircraft models • Helicopter models OR	2(1+1)
17B.	Things that should be kept in mind with regard to flying of aero models – a. The necessity of choosing a large air field for flying the aero models is obvious. b. First check the model for correction of alignment. c. The wing and tail must be checked from the front and rear for setting and must not be wrapped or out of plane. (Any 2 of these or any other relevant point) U3 – Aero Modelling	
18.	Radio Control Models – a. Radio Control Power. b. Radio Control Glider. c. Radio Control Helicopter. d. Jet powered model. (Any two of these) U3 – Aero Modelling	2
19A.	Chetak Helicopter – a. Country of Origin – France b. Passenger Capacity – 6 passengers or 500 kgs load. OR SU-30MK-I – a. Country of Origin – Russia. b. Maximum Speed – 2500 km/hr (Mach 2.35) U2 – Air Craft recognition	2
20.	Relief is indicated on maps and charts in the following one or more ways- a. Spot height and depths b. Contours anf form lines. c. Layer tints. d. Hachures. e. Hill Shading (Any four of these) U5 - Maps	4(1x4)
	SECTION F **खंड F**	
21.		4(1x4)
	I. B. May 26th. II. D. MiG 27, MiG 21 and MiG 29. III. D. They were hit by Stinger missiles and suffered losses. IV. B. Mirage 2000. U1 – Air Campaigns	

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