

General Science

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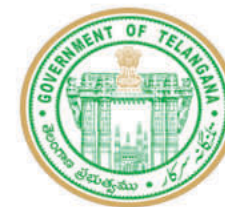
LEARNING OUTCOMES  
BASED  
MODEL TEST ITEMS

CLASS - 6



State Council of Educational Research and Training  
Telangana, Hyderabad

CLASS VI



The Government of Telangana

General Science

6

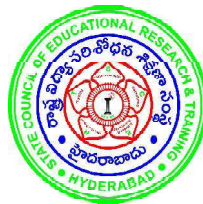


**6<sup>th</sup> Class**

**General Science**

**Learning Outcomes  
based**

**MODEL TEST ITEMS**



State Council of Educational Research and Training,  
Hyderabad, Telangana

## FOREWORD

Imparting quality education involves ensuring that all the students have achieved the prescribed competencies and learning outcomes by the time they complete schooling. It's commendable that the government is taking steps to improve the quality of education through strategies and action plan to achieve class-specific and subject-specific Learning outcomes by the students.

In order to improve our position at the national level, there is an earnest need to improve the competencies of students through effective teaching learning process. Keeping in view, to support teachers in achieving these prescribed competencies and learning outcomes, SCERT has prepared Item banks for different subjects in English, Telugu and Urdu media. By clearly specifying learning outcomes and providing model items, teachers are given the tools they need to align their teaching strategies with the desired outcomes. This approach not only supports teachers but also empowers them to adapt their methods to suit the needs of their students effectively.

Efforts like these demonstrate a commitment to continuous improvement in education, aiming to elevate the quality of learning and ultimately enhance student learning outcomes. With dedicated support from educational institutions and stakeholders, the goal of achieving higher scores in assessments becomes more attainable.

I appreciate the Faculty of SCERT and the content developers for their untiring efforts in bringing out these Item banks which will be largely useful to teachers and students in getting the desired results. Further I thank Principal Secretary, Education Department, Commissioner, Department of School education and State Project Director, Samagra Shiksha for their unflinching determination to elevate the state's position by their continuous guidance and support.

Director  
SCERT, Telangana

## Guidelines

National Achievement Survey is a national level large-scale competency based assessment will be conducted to obtain information about the learning achievement of students of Classes 3<sup>rd</sup>, 6<sup>th</sup> and 9<sup>th</sup> studying in State Govt. schools, Govt. Aided schools, Private Unaided and Central Govt. schools. NAS does not provide scores for individual student/school.

The National Achievement Survey will be conducted in the month of November in Language, Mathematics & Environmental Studies for classes 3<sup>rd</sup>& 6<sup>th</sup> and for class 9<sup>th</sup> in Modern Indian Language, Mathematics, Science, Social Science and English. The programme “Strategies and Action Plan” is designed to give awareness to the Teachers regarding question patterns and learning outcomes so that Teachers can ensure the achievement of class and subject specific learning outcomes of their students.

### Guidelines to the teachers:

- It should be noted that **objective** of this programme is to **achieve subject- specific and class – specific learning outcomes by the students.**
- Identify the learning outcomes in each unit.
- Teaching learning process should be conducted in alignment with the achievement of learning outcomes.
- Classroom management should be done to encourage the students’ active participation, questioning, doing activities, reflection and elaboration in the learning process.
- Priority should be given interactive method of teaching.
- Teachers can modify their teaching strategies according to their class-room situations.
- In regular period concentrate on the learning outcomes of the lesson taught and in special periods focus should be on any one of the learning outcomes.
- Identify the different patterns of questions related to the learning outcomes and make the students to practice them.
- Teachers should discuss the answers after completion of the mock tests.
- Teacher should maintain the list of the learning outcomes discussed in the class-room.

### Guidelines to the Headmasters:

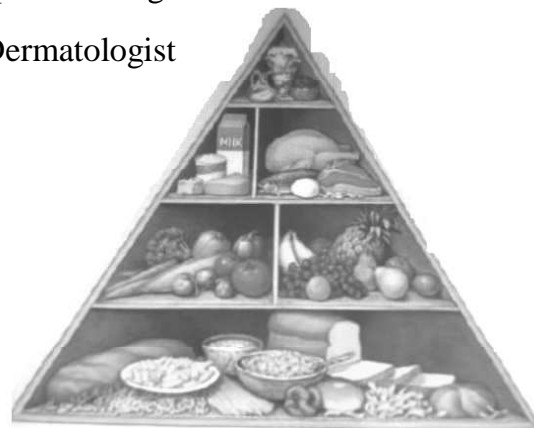
- School level special action plan should be prepared and implemented in the school.
- For conducting special class, ensure that daily one period is allotted. In that special class, practice on learning outcomes of one subject should be done. Cover all subjects in a week accordingly.
- Ensure that the designated special class is conducted smoothly as per plan.
- Ensure that learning outcomes should be covered in both regular and special periods.
- Review the progress of the students at school level after each mock test.

## Learning Outcomes

- EVSSC410: Records, Observations / Experiences / Information for objects, activities, phenomena places visited in different ways and predicts pattern and activities / phenomena
- EVSSC 501: Explains the Super senses and usual features (sight, smell, hear, sleep, sound, food etc.)
- EVSSC 503: Describe the interdependence among animals, Plants, and humans
- EVSSC 505: Establishes linkages among the terrain, climate, resources (food, water, shelter, livelihood) and cultural life. (e.g. life in distant/ difficult areas like hot /cold deserts).
- EVSSC 506: Groups objects, materials, activities for features and properties such as - shape, taste, colour, texture, sound, traits etc.
- EVSSC 508: Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc.) and time in simple standard units and verifies using simple tools/set ups.
- EVSSC 509: Records Observations / Experiences / Information in an organized manner ( eg: in tables/sketches/bar graphs / pie charts) and credits patterns in activities / phenomena (eg: floating, sinking, mixing, evaporation, germination, spoilage) to establish relation between cause and effect.
- EVSSC 512: Voice opinions on issues observed / experienced and relates practices / happenings to larger issues of society.
- EVSSC 513: Suggests ways for hygiene, health, managing waste. Disaster / emergency situations and protecting / saving resources.

**EVSSCLO 410 : Records, Observations / Experiences / Information for objects, activities, phenomena places visited in different ways and predicts pattern and activities / phenomena**

- 1) Which of the following differs in reproduction?  
 A) Parrot                      B) Dog                      C) Duck                      D) Lizard
- 2) Medical officer visited Sitapuram primary school and informed about causes of worms and anaemia in children. Identify the correct reason among the following.  
 A) Eating contaminated food                      B) Playing games well  
 C) Taking less food                      D) Lack of proper sleep
- 3) Rajaiah went to the market to buy an animal for agricultural works. Which animal did he buy?  
 A) Goat                      B) Donkey                      C) Ox                      D) Sheep
- 4) You saw a puppy on the road with its leg injured. What do you do?  
 A) I laugh at the puppy                      B) I run away in fear  
 C) I don't do anything                      D) I will take it to the veterinary hospital
- 5) Lahari took the same kind of plants in two pots and placed one in a dark room and the other in the open air. A point that emerged in her observation  
 A) The outdoor plant has dried up                      B) The plant without light grew healthy  
 C) Both plants grew well                      D) The outdoor plant grew healthy.
- 6) Ravi took his sister to a doctor when a piece of chalk stuck in her nose and she was having trouble in breathing. The doctor is  
 A) ENT specialist                      B) Ophthalmologist  
 C) Dentist                      D) Dermatologist
- 7) Food that are rarely eaten according to the Food pyramid chart.  
 A) Fruits  
 B) Milk, Eggs  
 C) Rice, Roti  
 D) Ice cream, Sweets







**Key**

- |      |      |      |      |
|------|------|------|------|
| 1. B | 2. A | 3. C | 4. D |
| 5. D | 6. A | 7. D |      |

**EVS SC LO 501: Explains the Super senses and usual features (sight, smell, hear, sleep, sound, food etc.)**

1) Match the senses with their organs

- |             |   |          |
|-------------|---|----------|
| i. Eyes     |  | a. Taste |
| ii. Nose    |  | b. Smell |
| iii. Tongue |  | c. See   |
| iv. Ear     |  | d. Hear  |

A) i:c, ii:b, iii:a, iv:d

B) i:b, ii:c, iii:a, iv:d

C) i:a, ii:b, iii:c, iv:d

D) i:c, ii:a, iii:b, iv:d

2) Abhi is playing blindfold with his friends. What sense organ he uses to play this game

- A) Eyes      B) Nose      C) Tongue      D) Ears

3) Ants move in line or identify each other by using these senses

- A) sight      B) touch      C) smell      D) hearing

4) Find the sense organs from the following

- a. Hands      b. Eyes      c. Legs      d. Tongue      e. Skin

- A) b, d, e      B) a, b, c      C) b, c, d      D) a, b, c, d, e

5) This is a nocturnal animal

- A) Bat      B) Lion      C) Crow      D) Dog

6) Odd one out

- A) Eyes      B) Nose      C) Ears      D) Hands

7) These are milk teeth

- A) Teeth that appear in old people  
B) Teeth that first appear in children  
C) Teeth that appear in teenage  
D) Teeth that appear in young age

- 8) a] Tongue helps in identify taste  
b] Tongue helps to chew food and speak
- A) Both a and b are correct      B) Both a and b are wrong  
C) Only a is correct      D) Only b is correct
- 9) I go to ophthalmologist when I have problem with  
A) Nose      B) Eyes      C) Skin      D) Ears
- 10) Venkat is blind; he uses these sense organs to do his daily works  
A) Sight, Smell      B) Touch, Listen      C) Taste, Touch      D) Hand, Legs

Key				
1. A	2. D	3. C	4. A	5. A
6. D	7. B	8. A	9. B	10. B

**EVSSC LO 503: Describe the interdependence among animals, Plants, and humans.**

- 1) Match the animals and their uses
- |            |                   |
|------------|-------------------|
| i. Dog     | a. Riding         |
| ii. Horse  | b. Protection     |
| iii. Goat  | c. Transportation |
| iv. Donkey | d. Milk and Meat  |
- A) i-b, ii-a, iii-d, iv-c      B) i-a, ii-b, iii-c, iv-d  
C) i-c, ii-b, iii-d, iv-a      D) i-d, ii-a, iii-c, iv-b
- 2) This is not a friend of the farmer?  
A) Earth worm      B) Butterfly      C) Snake      D) Horse
- 3) Anil saw a man selling a peacock, what should he do?  
A) go and buy it      B) inform to elders / forest officers  
C) go and quarrel with sellers      D) secretly free peacock.
- 4) Raju Saw a dog being hurt, what should he do?  
A) throw stones      B) walk away  
C) take it to hospital      D) bring another dog to attack



- 5) Tree cannot give  
 A) food                      B) air                      C) meat                      D) Shelter
- 6) Extensive use of fertilizers results in  
 A) Kills useful insects                      B) Decreases air pollution  
 C) Gradually increases soil fertility    D) Availability of healthy food
- 7) Statement a] We depend on plants & animals for our needs  
 Statement b] We don't need to depend on plants  
 A) Both a and b are correct                      B) Both a and b are wrong  
 C) Only a is correct                      D) Only b is correct
- 8) Bonsai trees are  
 A) Large trees grown in large pot    B) Large trees grown in small pot  
 C) Small trees grown in large pot    D) Small trees grown in small pot.
- 9) This is a food crop, cultivated by farmers.



Key				
1. A	2. D	3. B	4. C	5. C
6. A	7. C	8. B	9. C	



**EVSSC LO 506: Groups objects, materials, activities for features and properties such as - shape, taste, colour, texture, sound, traits etc.**

1. What is the taste of "Neem Leaf"?  
A. Sweet.                      B. Sour.                      C. Bitter                      D. Spicy
2. The colourful and attractive part of a plant is .....  
A. Root.                      B. Stem.                      C. Branch.                      D. Flower
3. What are the essential conditions to germinate a seed?  
A. Air                      B. Water.                      C. Pesticides                      D. A and B
4. The leaves of plants are green in color. What is the reason for?  
A. Minerals.                      B. Chlorophyll.                      C. Sunlight.                      D. Water
5. Shape of the earth is .....  
A. Cylindrical.                      B. Conical.  
C. Spherical.                      D. Triangular
6. Which organ is used to enjoy the taste of the food?  
A. Nose.                      B. Tongue.                      C. Lips.                      D. Teeth
7. The blood is red in colour and what is the reason for?  
A. Carbon dioxide                      B. Oxygen  
C. Haemoglobin.                      D. Nitrogen
8. Identify lotus leaf .....

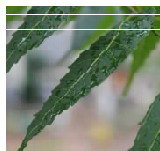
A.



B.



C.



D.



9. The two groups of animals in the table given below are classified according to

GROUP-A

GROUP-B

Cow.

Tiger

Goat.

Eagle

Rabbit.

Lion

A. The way they move

B. The way they reproduce

C. The way they eat.

D. The way their body is covered

10. The animals given below are on the basis of food habits.



A. Herbivores.

B. Decomposers.

C. Insectivores

D. Omnivores

Key

1.C

2.D

3.D

4.B

5.C

6.B

7.C

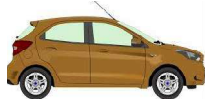
8.D

9.C

10.C

**EVSSC LO 508: Guesses (properties, conditions of phenomena), estimates spatial quantities (distance, area, volume, weight etc.) and time in simple standard units and verifies using simple tools/set ups.**

1. Which of the following pictures occupies more space?



- A. Lorry                      B. Car                      C. Scooter                      D. Cycle
2. Which of the following vehicle is heavy?
- A. Bicycle                      B. Motor cycle                      C. Car                      D. Bus
3. Vegetables are measured in.....
- A. grams                      B. litres                      C. metres                      D. minutes
4. A person's shadow is formed exactly under his foot. What would be the time?
- A. 11 am                      B. 12 pm                      C. 10 pm                      D. 11 pm
5. 1/2 kilogram of iron ball and 500 grams of cotton are placed in simple balance each side, the correct statement
- A. Iron ball has more weight than cotton
- B. Cotton has more weight than iron ball
- C. Both have equal weight
- D. Both have unequal weights
6. A person's shadow was formed on west side. Then it is
- A. Morning time
- B. Night time
- C. Afternoon time
- D. Evening time
7. Odd one out
- A. Milk                      B. Petrol                      C. Oxygen                      D. Kerosene



- 3) Based on the observation from examining the table below; choose the correct sentence from the following sentences.

Year	Saplings/Plants planted			Plants / Saplings alive		
	In School	Beside Road	In Forest Land	In School	Beside Road	In Forest Land
2019	30	45	1100	25	20	850
2020	55	50	1200	28	25	1000
2021	29	36	1050	21	16	800
2022	36	55	1500	28	31	1200

- A) The plants that are planted in schools and forest land survived more than half  
 B) The Plants that are planted beside the road survived more  
 C) The Plants that are planted in the year 2022 are survived more  
 D) A and C
- 4) The substance that does not mix in the water  
 A) Salt                      B) Sugar                      C) Jaggery                      D) Oil
- 5) Ramesh stood on a line and threw away a paper and a paper ball. Paper ball travelled more distance.  
 The reason is,  
 A) Due to the reduced surface area of the paper ball it experiences less air resistance  
 B) Ramesh threw the paper ball with more force than paper  
 C) Ramesh did not throw the paper with more force  
 D) At the time of throwing the paper the wind was blowing strongly
- 6) The damage caused by adding chemicals to the food we eat to preserve it for staying longer time  
 A) Digestive problem                      B) Loss of natural nutritional values  
 C) Dangerous to health                      D) All of the above

Key		
1. D	2. C	3. A
4. D	5. A	6. D

**EVSSC LO512: Voice opinions on issues observed/experienced and relates practices / happenings to larger issues of society.**

- 1) Which of the following statements do you support for reducing air pollution?  
A) Be kind to the animals.                      B) Abundant trees should be planted.  
C) Use water only as needed.                      D) Food should not be wasted.
- 2) Gopi eats a lot of junk food every day. Imagine about the changes in his body.  
A) Gopi becomes very strong.                      B) Gopi becomes very thin.  
C) Gopi gets obese.                      D) Gopi grows up very healthy.
- 3) How can you say that our body is wonderful?  
A) Because the body is beautiful.  
B) Because the body does its own thing.  
C) Because all the organs in the body are working in harmony.  
D) Because the body is strong.
- 4) Match the followings based on energy resources
- |                              |           |
|------------------------------|-----------|
| a. Non - Renewable Resources | 1) Sun    |
|                              | 2) Coal   |
| b. Renewable Resources       | 3) Petrol |
|                              | 4) Air    |
- A) a - 1 & 4; b - 2 & 3                      B) a - 2 & 3; b - 1 & 4  
C) a - 1 & 3; b - 2 & 4                      D) a - 1 & 2; b - 3 & 4

**Key**

1. B

2. C

3.C

4. B



**EVS SC LO 513: Suggests ways for hygiene, health, managing waste. Disaster / emergency situations and protecting / saving resources.**

- 1) \_\_\_\_\_ your hands before you eat
- A) Rub                      B) Wash                      C) Squeeze                      D) Fold
- 2) We should eat \_\_\_\_\_ to be healthy
- A) Carbohydrates                      B) Proteins
- C) Fruits & Vegetables                      D) Balanced food
- 3) Compost pits can be made from
- A) Plastic and Cement                      B) Only dry waste
- C) Only wet waste                      D) Dry waste and wet waste
- 4) Household waste can be dump here
- A) Forest                      B) On roads                      C) Dumping yard                      D) Play ground
- 5) Rama ate leafy vegetable, fruit, milk, meat and rice
- Ravi ate pizza, burger, cool drinks, chips and fast-food, then
- A) Both Rama and Ravi are healthy                      B) Both Rama and Ravi are not healthy
- C) Only Rama will be healthy                      D) Only Ravi will be healthy
- 6) Who can play sports well...
- A) A person who eats balanced diet
- B) A person who eats junk food
- C) A person who eats unhygienic food
- D) A person who eats fast food

7) This is for.....



A) To start the fire

B) To put off the fire

C) To increase fire

D) To make a blast

8) What is golden hour?

A) The first hour when gold is taken out

B) The first hour of while making surgery

C) The first hour after surgery

D) The first hour after the accident

Key

1. B

2. D

3. D

4. C

5. C

6. A

7. B

8. D

## DEVELOPMENT TEAM

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