



18th NTST

NATIONAL TALENT SEARCH TEST (SAMPLE PAPER CLASS-7th)



ENGLISH

Read the text carefully and answer 1-5 questions:

Plants need sunlight and water to make their own food. You can do an experiment to test if this is true. Place a bucket over a patch of green grass. After a few days, lift the bucket. You will see that the grass is not as green anymore. If you leave the bucket in place for a week, the grass will become very dull. This happens because the grass cannot make food in the dark. Remove the bucket. In a few days, the grass will start turning green again.

Q1. Why do plants need sunlight and water?

- A) To make their food
- B) To live longer
- C) To do an experiment
- D) To consume water

Q2. What do plants need?

- A) carbon dioxide
- B) Air
- C) Grass
- D) Sunlight

Q3. What is the experiment?

- A) A way to use a bucket
- B) A way to use air
- C) A way to grow grass
- D) A way to test an idea

Q4. Give the opposite of Dull?

- A) Bright
- B) Light
- C) Sunlight
- D) Brown

Q5. According to the passage, how long does it take for the grass to become dull?

- A) a year
- B) a month
- C) a week
- D) a few days

Q.6 Choose the correct helping verb:

The students' _____ allowed to go off campus during school hours

- A) didn't
- B) aren't
- C) wouldn't
- D) don't

Q.7 Choose the correct helping verb:

Neither the teacher nor the students' _____ in the school.

- a) am
- b) is
- c) was
- d) are

Q.8 Choose the correct helping verb:

I think he _____ fever and is shivering.

- a) had
- b) have
- c) May
- d) has

Q.9 The actor's latest performance is _____ her past one.

- a) superior than
- b) most superior than
- c) more superior than
- d) superior to

Q.10 Choose the correct interrogative pronoun:

_____ did you invite to preside over the meeting?

- a) Who
- b) Whom
- c) Whose
- d) What

MATH

Q.1 Closure property does not hold well in integers for
 (a) Addition (b) Multiplication
 (c) Subtraction (d) Division

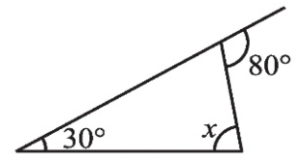
Q.2 The multiplicative identity for integers is
 (a) 1 (b) -1
 (c) 0 (d) 1 and -1

Q.3 Solve $15 \times [10 + (-5)] = ?$
 (a) 30 (b) 75
 (c) -75 (d) 105

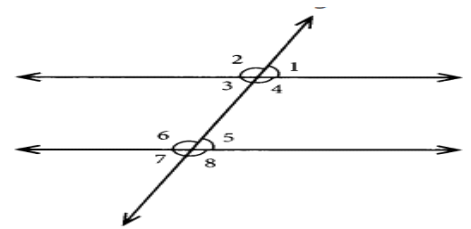
Q.4 9 paise is equal to
 (a) Rs 0.9 (b) Rs 0.09
 (c) Rs 0.009 (d) Rs 0.0009

Q.5 Find $\frac{1}{4}$ of 360.
 (a) 45 (b) 90
 (c) 65 (d) 75

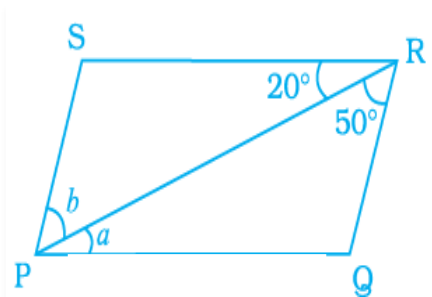
Q.6 Find the value of x
 (a) 50° (b) 60°
 (c) 90° (d) 80°



Q.7 Which of the following is not true?
 (a) $\angle 1 = \angle 2$
 (b) $\angle 2 = \angle 4$
 (c) $\angle 2 + \angle 3 = 180^\circ$
 (d) $\angle 3 + \angle 4 = 180^\circ$



Q.8 In Fig. PQ || SR and SP || RQ. Then, angles a and b are respectively

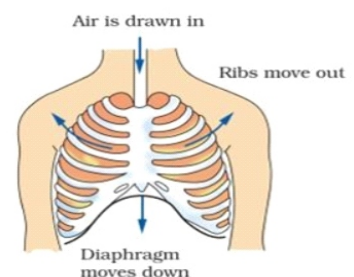


(a) $a=20^\circ, b=50^\circ$ (b) $a=50^\circ, b=20^\circ$
 (c) $a=30^\circ, b=50^\circ$ (d) $a=45^\circ, b=35^\circ$

- Q.9 The ratio of 8 m to 80 cm is
(a) 7: 1 (b) 8: 1
(c) 10: 1 (d) 9: 1
- Q.10 Prem bought one table for Rs 800 and lost 30% on it. The selling price of the table was
(a) Rs 540 (b) Rs. 560
(c) Rs 500 (d) Rs 650

SCIENCE

- Q.1 Which of the following are natural indicators?
(a) Red leaf, turmeric, grape juice, turnip skin
(b) Red cabbage, turmeric, grape juice, turnip skin
(c) Curry powder, cherries, beetroots, ginger, tomato
(d) Curry powder, cherries, apple, onion, tomato
- Q.2 Mahesh was playing in the playground, suddenly a bee bites on his arm. To relieve from pain, he should apply
(a) Vinegar (b) Bicarbonate of soda
(c) Lemon juice (d) none of above
- Q.3 Which of the following is an example of chemical change?
(a) Filling up a balloon with hot air.
(b) Taking a glass of water and freezing it by placing it in the freezer.
(c) A plant collecting sunlight and turning it into food.
(d) Your dog tearing up your homework
- Q.4 The optimum temperature at which the photosynthesis occurs best is around
(a) 30°C (b) 65°C
(c) 100°C (d) 45°C
- Q.5 Which of the following organism can respire in total absence of air?
(a) Earthworm (b) Amoeba
(c) Tapeworm (d) Hydra
- Q.6 A diagram of human respiratory system is given below, carefully observe the diagram and answer the question. Which process is shown in the diagram?



- (a) Breathing
(b) Inhalation
(c) Exhalation
(d) Sneezing

- Q.7 Pick the odd one out from the groups, given below on the basis of respiratory organs:
- (a) Cockroach, grasshopper, wasp (b) Lizard, buffalo, snake
(c) Crocodile, dolphin, starfish (d) Snake, mongoose, cow
- Q.8 Which of the following statement is incorrect about velocity?
- (a) Velocity defines the direction of the movement of the body or the object.
(b) Velocity is essentially a vector quantity
(c) Velocity can be defined as the displacement of the object in unit time.
(d) The velocity of a moving object cannot be zero
- Q.9 Fuse wire is made up of
- (a) Silicon and Tin alloy (b) Tin coated with zinc
(c) Tin coated with nickel (d) Tin coated with aluminium
- Q.10 Which of the following is not a correct match?
- (a) Microscope and Magnifying Glass: Convex lenses (b) Camera lens: Convex lenses.
(c) Telescopes: Convex lenses. (d) Lasers: Convex lenses

Computer Science

- Q1) Which device is used to convert pictures into digital form for storage in computers?
- a) Bar Code Scanner
b) Digitizer
c) MICR
d) Image Scanner
- Q2) BioMetric is _____ type of device.
- a) Input Device
b) Output Device
c) Cable Device
d) None of Above
- Q3) _____ comes before each element in the list, where text is indented.
- a) Bullet
b) Symbol
c) Icon
d) Picture
- Q4) The auxiliary memory is consist of
- a) Tapes
b) Floppy disks
c) Hard disks
d) All of the above
- Q5) _____ is where processor is placed.
- a) CPU
b) Motherboard
c) Chipboard
d) System