



20th NTST/CTSE

NATIONAL TALENT SEARCH TEST (1st to 10th classes)

COMMERCE TALENT SEARCH EXAM (11th & 12th Commerce)

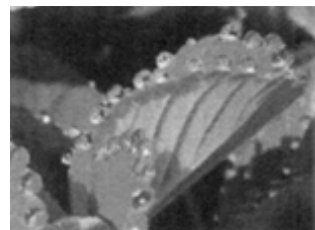
(Sample Paper Class-7th)

Science



Commerce Talent
Search Exam

1. Which one is an insectivorous plant?
 - (a) Cactus
 - (b) Sundew
 - (c) Orchid
 - (d) Mistletoe
2. Hydrochloric acid secreted by stomach does not participate in:
 - (a) Breaking up fats into fatty acids.
 - (b) Killing bacteria which may enter the stomach.
 - (c) Both Killing bacteria which may enter the stomach. and Making medium in the stomach acidic.
 - (d) Making medium in the stomach acidic.
3. Select the INCORRECT match
 - (a) Ant sting - Formic acid
 - (b) Antacid - Hydroxides of Al and Mg
 - (c) Curd - Lactic acid
 - (d) Aluminum hydroxide - Strong base
4. Sodium : Na :: ? : Potassium
 - (a) P
 - (b) Pt
 - (c) Ca
 - (d) K
5. Water is lost in a liquid state in some plants through hydathodes. These hydathodes _____.
 - (a) always remain open.
 - (b) remain closed during day.
 - (c) remain closed at night.
 - (d) do not show any specificity in opening and closing.



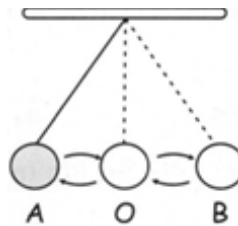
6. A man standing in front of a special mirror finds his image having a very small face, a fat body and legs of normal size. Then he concluded that the special mirror was a combination of different types of mirrors with its top, middle and bottom parts made of:
- Plane, convex and concave mirrors respectively
 - Concave, convex and plane mirrors respectively
 - Convex, plane and concave mirrors respectively
 - Convex, concave and plane mirrors respectively

7. Which of the following statements is incorrect?

- Forests protect the soil from erosion
- Plants and animals in a forest are not depend on one another
- Forests influence the climate and water cycle
- Soil helps forests to grow and regenerate

8. The time period of a simple pendulum is the time taken by it to travel from _____. Observe the diagram and select the CORRECT option.

- B to A, A to B and B to O
- A to B and back to A
- O to A, A to B and B to A
- A to B



9. A totipotent cell means:

- Cells that lack the capability to differentiated into a complete plant
- An undifferentiated cell capable of developing into the entire plant
- An undifferentiated cell capable of developing into the organ
- An undifferentiated cell capable of developing into a complete embryo

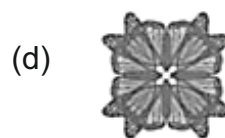
10. Urine consists of:

- | | |
|----------------------------|----------------------------|
| (a) 95% water, 5% urea | (b) 87.5% water, 3.5% urea |
| (c) 97.5% water, 2.5% urea | (d) 95% water, 2.5% urea |

1. Find the number of edges in the given solid.

- (a) 13
- (b) 11
- (c) 15
- (d) None of these

2. Choose the odd one out from the following figures on the basis of line of symmetry.



3. How much will the circumference be reduced if the radius of a circle is reduced by 25%?

- (a) 25%
- (b) 40.5%
- (c) 28%
- (d) 56.25%

4. The table shows the heights of the students in Mr. Rajesh's class. Find the mode of their heights.

- (a) 55
- (b) 59
- (c) 57
- (d) None of these

Height (in inches)	No. of Students
55	5
56	3
57	5
58	2
59	10
60	3
61	5
62	2

5. In a class of 40 students $\frac{1}{5}$ of the total number of students like to study English, $\frac{2}{5}$ of the total number like to study mathematics and the remaining students like to study Science. How many students like to study Mathematics?

- (a) 2
- (b) 8
- (c) 16
- (d) 4

6. When 40257 is divided by 213, the quotient is 189, what will be the quotient when 40.257 is divided by 0.0189?

- (a) 1890
- (b) 21300
- (c) 213
- (d) 2130

7. What is the measure of the complement of 45° ?

- (a) 55°
- (b) 45°
- (c) 65°
- (d) 75°

8. The earth makes a complete rotation about its axis in 24 h. Through what angle will it turn in 3 h 20 minute?
- (a) 60° (b) 90°
(c) 70° (d) 50°
9. In any organization, 40% employees are metric pass, remaining 50% are graduates and rest 180 are post graduates. How much is the number of graduate employees?
- (a) 360 (b) 300
(c) 180 (d) 240
10. Find the number if the sum of one - third of a number and its two - third is 244.
- (a) 243 (b) 260
(c) 250 (d) 244

English

- 1 Arrange the words in the correct meaningful sentence:
should / you / have / coming / seen / this.
- (a) You should have this coming seen. (b) You should have seen this coming.
(c) Should have you seen this coming. (d) You should have seen coming this.
- 2 Choose the correct helping verb:
Mukesh is ill. He _____ in bed.
- (a) are (b) be
(c) not (d) is
- 3 Select appropriate articles for the blanks.
The girl had to find out which part of _____ paragraph contained _____ answer to _____ teacher's question.
- (a) the, an, the (b) an, a, the
(c) a, a, the (d) the, a, the
- 4 Choose the correct adjective order:
- (a) I cannot part with my black old leather purse.
(b) I cannot part with my old leather black purse.
(c) I cannot part with my old black leather purse.
(d) I cannot part with my black leather old purse.

- Q.5 Choose the correct pronoun:
Anurag _____ participates in the games though _____ coaches junior players too.
- (a) himself, him (b) himself, he
(c) him, he (d) his, himself
- Q.6 Does wood sink in water?
Which word is a material noun?
- (a) does (b) wood
(c) sink (d) water
- 7 Identify the noun:
I have bought the book **Norwegian Wood** from the new book store.
- (a) Abstract noun (b) Proper noun
(c) Plural noun (d) Common noun
- 8 Columbus discovered America. The underlined word in this sentence is:
- (a) Object (b) Verb
(c) Preposition (d) Subject
- 9 Pictures + are + painted + by + them =
- (a) subject + preposition + verb + object
(b) preposition + object + subject + verb
(c) object + verb + preposition + subject
(d) subject + verb + preposition + object
- 10 The man must have eaten five hamburgers. The passive voice of this sentence is:
- (a) Five hamburgers must have been eaten by the man.
(b) The man is eating five hamburgers.
(c) Five hamburgers ate a men.
(d) Man eats five hamburgers.