



20th NTST/CTSE

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

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

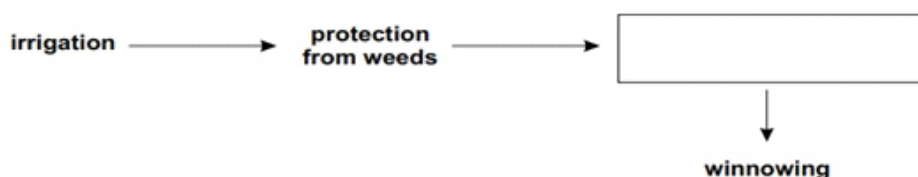
(Sample Paper Class-8th)

Science



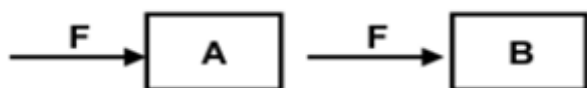
Commerce Talent
Search Exam

1. Choose an appropriate agricultural practice from the chart above to fill in the box



- (a) harvesting
(b) adding manure
(c) storing
(d) sowing
2. Two rods X and Y are having same weight and equal lengths but different thickness. Rod Y is thinner while Rod X is thicker. They are held vertically on the surface of the sand. Answer the following question -
- Which will be correct option based on the given information?
- (a) Rod X will go deeper in the sand
(b) Rod Y will go deeper in the sand
(c) Rod X and Y will go at same extent into the sand
(d) None of the above
3. The sound produced by a drum and travel from air to water. Which of the following physical quantities remains the same?
- | | |
|------------------|------------------|
| 1. Velocity | 2. Frequency |
| 3. Wavelength | 4. Amplitude |
| (a) Only 1 | (b) Only 2 |
| (c) Both 1 and 3 | (d) Both 2 and 4 |

4. Keeping the magnitude of both constant, the mass of B is nine times that of A. The magnitude of the acceleration of A is _____.



- (a) three times that of B
(b) 1/3 that of B
(c) nine times that of B
(d) 1/9 that of B
5. Animals including humans have a complex living system. In the case of animals, they have the ____Y__ and ____X__ for control and coordination. The __X__ is responsible for chemical coordination. Identify X and Y
- (a) X- nervous system, Y - endocrine system
(b) X- endocrine system, Y - nervous system
(c) X- adrenal gland, Y - pituitary gland
(d) X- neurosecretory cells, Y- hormones
6. ovary : oesterone :: pituitary gland : ?
- (a) insulin
(b) thyroxine
(c) thyrotropic hormone
(d) adrenaline
7. Yellow Mosaic of Ladyfinger is caused by
- (a) virus
(b) protozoa
(c) algae
(d) fungi
8. Consider the following statements and choose the correct option:
- Statement 1: Intercropping is the practice of growing two or more crops simultaneously in the same field in rows.
- Statement 2: Manures are organic substances obtained from dead plants and animals.
- (a) Statement 1 is correct but statement 2 is incorrect.
(b) Statement 1 is incorrect but statement 2 is correct.
(c) Both the statements are correct.
(d) Both the statements are incorrect.

9. The table shows the amount of force needed to break each string.

String	Amount of force needed to break the string (Newton)
String 1	10
String 2	2
String 3	14
String 4	4

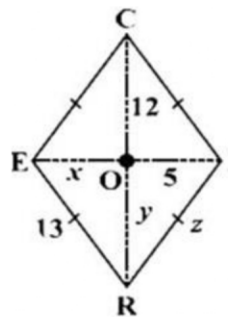
Which string is made of the weakest fiber?

- (a) String 1 (b) String 2
(c) String 4 (d) String 3
10. How are humans making greenhouse gases of our own?
- (a) burning fossil fuels in our cars (b) burning forests
(c) with large-scale agriculture (d) All of these

MATH

1. Identify the correct property for given statement
 $\frac{1}{3} \times (6 \times \frac{4}{3}) = (\frac{1}{3} \times 6) \times \frac{4}{3}$
- (a) Associative property of multiplication (b) Commutative property of additive
(c) Commutative property of multiplication (d) Associative property of addition
2. Represented in the table the distance covered by a person on a scooter moving continuously by the speed of 30 km /hr, use the graph to find the distance covered in 2 $\frac{1}{2}$ hours.
- (a) 55 km (b) 75 km
(c) 70 km (d) 45 km
3. If cube root of 175616 is 56, then the value of $\sqrt{175.616} + \sqrt{0.175616} + \sqrt{0.000175616}$ is
- (a) 6.116 (b) 6.216
(c) 0.168 (d) 62.16
4. The least 6-digit number which is perfect square is
- (a) 100000 (b) 100225
(c) 100144 (d) 100489
5. Which of the following quadrilaterals has two pairs of adjacent sides equal and diagonals intersecting at right angles?
- (a) square (b) rectangle
(c) kite (d) rhombus

6. A number of the form $\frac{p}{q}$ is said to be a rational number, if
- (a) p, q are integers and $p \neq 0$ (b) p, q are integers
(c) p, q are integers and $p \neq 0$, also $q \neq 0$ (d) p, q are integers and $q \neq 0$
7. Given that $-0.3k + 2.1 = 0.4k$, the value of k =
- (a) 21 (b) 7
(c) -1 (d) 3
8. Divide $15(y + 3)(y^2 - 16)$ by $5(y^2 - y - 12)$
- (a) $3(y + 4)$ (b) $(3y + 1)$
(c) $y(3y + 4)$ (d) $4(y + 3)$
9. RICE is a rhombus. Find x, y, z.
- (a) 9, 10, 13
(b) 13, 10, 7
(c) 7, 10, 3
(d) 3, 9, 13
10. The value of $\left(\sqrt{\frac{225}{729}} - \sqrt{\frac{25}{144}}\right) \div \sqrt{\frac{16}{81}}$ is
- (a) $\frac{1}{16}$ (b) $\frac{5}{48}$
(c) $\frac{1}{48}$ (d) $\frac{5}{16}$



English

- 1 Choose the correct option for editing:

In April 12, 1961, major Yuri Gagarin became the first man ever to venture into space. He did not know for certain beforehand that he was to be chosen.

- (a) incorrect: was
correct: is (b) incorrect: into
correct: in
(c) incorrect: became
correct: become (d) incorrect: in
correct: on

- 2 Choose the correct present perfect or simple past form of the verb:

Elizabeth _____ the Queen of England for many years and she is still the Queen.

- (a) has been (b) had below
(c) was (d) is

3 Choose the proper tense or form of the verb given in brackets:

Bali _____ this book since January last. (read)

- (a) has been reading
- (b) read
- (c) reads
- (d) is reading

4 I _____ (get up) at 7 every morning but today I was late.

- (a) will got up
- (b) will get up
- (c) get up
- (d) got up

5 Find the error:

Shivam takes charge of the project within a few days of appointment.

- (a) No error
- (b) Shivam takes charge of
- (c) of appointment.
- (d) the project within a few days

6 Which is the indefinite pronoun in the given sentence?

None of those, books have belonged to me.

- (a) Are
- (b) Me
- (c) None
- (d) Those

7 Choose the correct adjective for the given sentence:

Chinese is _____ than English.

- (a) most difficult
- (b) difficulty
- (c) difficult
- (d) more difficult

8 _____ money she had, was also spent on medicines.

- (a) The little
- (b) A little
- (c) More
- (d) Much

9 He has learned English. Now he _____ talk to anybody.

- (a) should
- (b) can
- (c) may
- (d) will

10 Choose the correct articles for the below sentence:

She has bought _____ apartment in _____ city.

- (a) an, the
- (b) the, the
- (c) an, an
- (d) the, an