



ENTRANCE TEST

[For Class VIIIth Students]

IMPORTANT INSTRUCTIONS

1. This Booklet contains 11 pages including instruction page.
2. Do not open this Test Booklet until you are asked to do so.
3. The test is of **1/2 Hours** duration for **Each Subject**.
4. There are four parts in the question paper consisting of **Mathematics, Science, English & Hindi**.
5. No candidate is allowed to carry any textual material, printed or written, bits of papers, pager, mobile phone, any electronic device, etc. except the Admit Card inside the examination room / hall.
6. On completion of the test, the candidate must hand over this Test Booklet to the Invigilator on duty in the Room / Hall.

Name of the Student : _____

Father's Name : _____

Date of Entrance Test :

Report Status :

Subject	Max. Marks	Marks Obtained
Mathematics	25	
Science	25	
English	25	
Hindi	25	
Total	100	

Admission Granted : Yes No

Authorised Signature

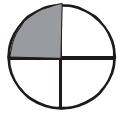
Subject : MATHEMATICS

Time : ½ Hr

M. Marks :25

Q.1 Choose the correct option. **[10 × 1 = 10]**

- i. $a \times (-b)$ is
(a) $-ab$ (b) ab (c) $-a \times -b$ (d) none ()
- ii. What is the fraction for shaded region.



- (a) $\frac{1}{2}$ (b) $\frac{2}{2}$ (c) $\frac{1}{4}$ (d) $\frac{4}{1}$ ()
- iii. _____ is maximum frequency of data.
(a) mean (b) mode (c) median (d) none ()
- iv. $5p = 20$ then find the value of P.
(a) 4 (b) 5 (c) 56 (d) 100 ()
- v. Which angle is complement angle of 10° .
(a) 80° (b) 82° (c) 83° (d) 170° ()
- vi. Which does not represent the congruence of triangle.
(a) AAA (b) SSA (c) SSS (d) AAS ()
- vii. Ratio of Rs 5 to 50 paise is-
(a) $\frac{50}{50}$ (b) $\frac{500}{50}$ (c) $\frac{5000}{5}$ (d) $\frac{5}{5000}$ ()
- viii. _____ are numerators of fractions with denominator 100.
(a) Percentage (b) Ratio (c) Proportion (d) Interest ()
- ix. Simple interest is-
(a) $\frac{P \times R}{T}$ (b) $P \times R \times T$ (c) $\frac{P \times R \times T}{100}$ (d) $P \times R = T \times 100$ ()
- x. Gain is a situation where-
(a) $S.P > C.P$ (b) $S.P < C.P$ (c) $S.P = C.P$ (d) $\frac{S.P}{C.P} = 1$ ()

Q.2 Write true or false. **[5 × 1 = 5]**

- (i) An equation remains equal if the L.H.S. and R.H.S. are interchanged ()
- (ii) Supplementary angle lies between 90° to 100° . ()
- (iii) The price at which you sell is known as the selling price. ()
- (iv) The measure of exterior angle of a triangle is equal to the measure of sum of its interior opposite angles. ()
- (v) Arithmetic means is one of the representative values of data. ()

Q.3 Fill in the blanks. **[5 × 1 = 5]**

- (i) Base, Perpendicular and _____ are the elements of pythagores theorem.
(Hypotenous / Height).
- (ii) A _____ is a representation of numbers using bars of uniform width.
(bar graph / Pictograph)
- (iii) _____ is a condition on a variable such that two expressions in the variable showed have equal value. (equation / solution)
- (iv) If two angles are supplementary, then the sum of their measures is _____ (180° / 90°)
- (v) Two line segments are congruent if the _____ is equal.(length / height).

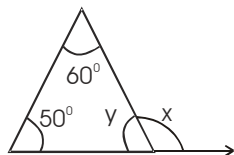
Q.4 Simplify. **[3 × 1 = 3]**

(i) $11 - (+12) + 3m + n + 2m$

(ii) $7^2 \times 2^2$

(iii) $(-2)^3 \times (-10)^3$

Q.5 Find the value of x and y. **[2 × 1 = 2]**



Subject : SCIENCE

Time : ½ Hr

M. Marks :25

Q.1 Choose the correct option :

[10 × 1 = 10]

- (i) Nutrients are substances present in
(a) water (b) food (c) plant (d) nutrition ()
- (ii) Silkworms are fed on
(a) mango leaves (b) neem leaves
(c) mulberry leaves (d) all of them ()
- (iii) Heat is a form of
(a) friction (b) electricity (c) energy (d) all of the above ()
- (iv) Moving air is called
(a) storm (b) temperature (c) humidity (d) wind ()
- (v) Soil has
(a) humus (b) micro-organism (c) air (d) all of these ()
- (vi) Plants exchange gases through
(a) stem (b) leaves (c) stomata (d) none of these ()
- (vii) Which organ of the circulatory system pumps blood ?
(a) lungs (b) kidneys (c) heart (d) blood ()
- (viii) Yeast cells are reproduced by
(a) fission (b) budding
(c) sporulation (d) all of these ()
- (ix) Which clock was not used in ancient times ?
(a) sand clock (b) stop watch
(c) water clock (d) candle clock ()
- (x) Image formed by a plane mirror is always
(a) real (b) inverted
(c) virtual and enlarged (d) virtual and of same size ()

Q.2 Fill in the blanks :

[6 × ½ = 3]

- (i) breed in waterlogged drains or places.
- (ii) Wild animals live in

- (iii) Humus is formed after theof dead plants.
- (iv) A real image can be obtained on
- (v) One solar year is equal to days.
- (vi) is filtration of blood by artificial kidney.

Q.3 State whether the statements are True or False : **[6 × ½ = 3]**

- (i) Carbon dioxide purifies air. ()
- (ii) Agriculture does not need water. ()
- (iii) The sun is the natural source of light. ()
- (iv) Fuse is a safety device. ()
- (v) Lungs remove urea from body. ()
- (vi) Liquid part of blood is called plasma. ()

Q.4 Match the following : **[6 × ½ = 3]**

Column A	Column B
(i) Excretory organ	ampere
(ii) Reproductive part of a plant	zygote
(iii) SI unit of current	stomata
(iv) Fertilised egg	kidney
(v) Transport of food	flower
(vi) Exchange of gases	phloem

Q.5 Answer these questions in short : **[2 × 1½ = 3]**

- (i) What is Rectilinear propagation of light ?

(ii) Write three methods to save / conserve water at school.

(1) _____

(2) _____

(3) _____

Q.6 Draw a well labelled diagram of parts of a complete flower.

[3 × 1 = 3]

Subject : ENGLISH

Time : ½ Hr

M. Marks :25

Q.1 Fill in the blanks in the sentences below with appropriate prepositions. [5 × 1 = 5]

- (i) Mathura is Delhi and Agra.
- (ii) I am looking a job.
- (iii) We had to wait the next day.
- (iv) I am tired talking.
- (v) They were running the train.

Q.2 Fill in the blanks with the correct tense of the verb : [5 × 1 = 5]

- (i) He worked hard that he pass. (may or might)
- (ii) She said that God love. (Is or was)
- (iii) You will think that I lazy. (am or was)
- (iv) He proved that the earth round. (is or was)
- (v) I shall forgive you if you me the truth. (tell or told)

Q.3 Fill in the blanks with suitable Auxiliary verbs given in brackets. [5 × 1 = 5]

- (i) The house built. (is / am / are)
- (ii) She done a deed of shame. (has / have)
- (iii) His wages paid forty pounds a day. (is / am / are)
- (iv) Dr. Agarwal done his research work (has / have)
- (v) The children pray to God. (will / shall)

Q.4 Fill in the blanks with little, a little or the little, few or the few. [6 × ½ = 3]

- (i) She has still money left in the bank.
- (ii) I gave to the poor money I had.
- (iii) I have friends in Delhi.
- (iv) He is a man of words.
- (v) were the words he said.
- (vi) friends he has are all helpful.

Subject : HINDI

Time : ½ Hr

M. Marks :25

- प्र.1 निम्नलिखित प्रश्नों के उत्तर का सही विकल्प कोष्ठक में लिखिए। [10 × 1 = 10]
- (i) 'परोपकार' शब्द का संधि विच्छेद है -
(अ) पर + उपकार (ब) परो + उपकार
(स) परो + ओपकार (द) इनमें से कोई नहीं ()
- (ii) 'सदैव' शब्द में कौनसी संधि है ?
(अ) गुण सन्धि (ब) वृद्धि संधि
(स) दीर्घ सन्धि (द) अयादि सन्धि ()
- (iii) 'उचित' शब्द का विलोम शब्द है -
(अ) अवचित (ब) अनुचित (स) अपकार (द) अनुपयोग ()
- (iv) 'विदेश' शब्द में उपसर्ग है -
(अ) 'व' (ब) विदे (स) वि (द) देश ()
- (v) 'षडानन' पद में समास है -
(अ) द्विगु (ब) कर्मधारय (स) बहुब्रीहि (द) इनमें से कोई नहीं ()
- (vi) 'चौराहा' पद का समास विग्रह होगा -
(अ) चार और राह (ब) चार राहों का समूह
(स) चौराहों का समूह (द) पाँच राहों का समूह ()
- (vii) 'कमल' शब्द का पर्यायवाची है -
(अ) जलज (ब) पुलिन (स) वसन (द) वाटिका ()
- (viii) 'ईश्वर में विश्वास रखने वाला' वाक्यांश के लिए एक शब्द है -
(अ) अनंत (ब) अमर (स) आस्तिक (द) नास्तिक ()
- (ix) संज्ञा या सर्वनाम शब्दों की विशेषता बताने वाले शब्द कहलाते हैं -
(अ) विशेषण (ब) अव्यय (स) सन्धि (द) इनमें से कोई नहीं ()
- (X) 'काला साँप' पद में रेखांकित शब्द है -
(अ) अव्यय (ब) विशेषण (स) समास (द) वाच्य ()
- प्र.2 सही के आगे (✓) तथा गलत के आगे (×) का निशान लगाइये। [5 × ½ = 2½]
- (i) शब्द के जिस रूप से उसके एक अथवा एक से अधिक होने का बोध हो, उसे वचन कहते हैं। ()
- (ii) रचना के आधार पर वाक्य के चार प्रकार के होते हैं। ()
- (iii) जो शब्द किसी लिंग, वचन, पुरुष काल आदि से प्रभावित न होकर, एक जैसे बने रहते हैं, वे अविकारी या अव्यय कहलाते हैं। ()
- (iv) 'बिना विचारे किया गया विश्वास' वाक्यांश के लिए एक शब्द है - अंध विश्वास ()
- (v) स्वर संधि के आठ भेद होते हैं। ()

SEAL