



THE PUNJAB SCHOOL ADMISSION TO CLASS VIII

This is for the information of the parents that a few vacancies for admission to the Class arise occasionally. These are purely merit-based admissions.

Admissions to these vacancies are finalized on the basis of the results of the written examination in the subjects of English, Urdu, Mathematics, Science and a subsequent interview. An oral test for Quran is conducted separately.

Syllabi for the written examination is given below:

ENGLISH:

Grammar: Nouns, Proper, Common, Collective and Abstract nouns, Verb, adverb, articles, preposition, Singular and Plural nouns, Masculine and Feminine, Auxiliary Verbs, Punctuation, Pronouns (Personal and Reflexive) Synonyms, Antonyms, Adjective, Active and Passive Voice, Helping Verbs and Types of Sentences.

Essays/Composition of about 100 – 150 words: Composition: Descriptive and Narrative Writings (Descriptive e.g. A Cricket Match etc.) (Narrative e.g. A House on Fire etc.) (about 100-150 words), **Letter** (Formal/Informal e.g. to friend/parents, sister/brother to spend holidays with you, to different departments i.e. Telephone, Wapda, Council to draw attention towards social issues etc.)

Application (Formal e.g. for the class renovation etc.), Story Writing(Morals: Honesty is the best Policy, God helps those who help themselves etc.) Sentence Formation, Spelling (missing letters), Reading Comprehension (Q/Ans, etc.),

Tenses (Translation from Urdu to English, Present, Past and Future Indefinite, Continuous and Perfect)

MATHEMATICS-8 (PCTB-8): Sets, Rational Numbers, Squares and square roots, Cubes and cube roots, Number System, Financial Arithmetic, Polynomials, Areas and Volumes, Introduction to Trigonometry.

Note: Question shall be seen /unseen

SCIENCE: Science 8 (PCTB): Ch: 1 Human Organ Systems , Ch 2: Cell Division ,Ch 5: Chemical Reaction, Ch: 6: Acid Bases and salts,Ch:7 Force and Pressure, Ch : 10 Lenses,

Urdu:

مضمون، خط، درخواست، کہانی، مکالمہ، تفہیم و تشریح (نظم و نثر)، بنیادی گرامر (مکمل) (متضاد، مترادف الفاظ، غلط فقرات کی درستی و تکمیل، الفاظ کا جملوں میں استعمال، واحد، جمع، مذکر مونث، اعراب لگانا، الفاظ معانی، محاورات۔

Quran:

(کل نمبر 25) *حفظ: سورۃ الانشراح، سورۃ الضحیٰ * نماز مکمل مع ترجمہ، دعا: نماز کے بعد کی دعا رَبَّنَا إِنَّا فِي الدُّنْيَا حَسَنَةٌ وَفِي الْآخِرَةِ حَسَنَةٌ وَقِنَا عَذَابَ النَّارِ۔

A list of successful candidates is displayed on the notice boards in their respective wings. The parents have to collect information sheets, books list, syllabi etc along with the prescribed Admission Form duly signed by the wing head. These forms along with the dues should be submitted in the Fee Section.

Only after the observance of the above-mentioned formalities, a student correctly attired in prescribed School Uniform and possessing the relevant books and stationery, is eligible to sit in the class.

NOTE: Model Question Papers are enclosed. Please note that **prescribed topic** are pure guidelines. Marks allocation and nature of questions in actual papers may vary in any subject.

Day/Date	Subject	Time
Monday 1st August 2022	Urdu	8:30 am to 10:30 am
	Science	10:35 am to 12:35 pm
	Quran (Oral)	12:40 pm to 1:00 pm
Tuesday 2nd August 2022	English	8:30 am to 10:30 am
	Mathematics	10:35 am to 12:35 pm

MODEL PAPERS FOR ADMISSION TO CLASS VIII

ENGLISH

Time Allowed: 2 hrs

Total marks: 75

Part I

Q1. (a) Write the plurals of the following: (5)

- (a) louse _____
- (b) phenomenon _____
- (c) woman _____
- (d) runner – up _____
- (e) variety _____

(b) Write S in the space at the end of Simple Sentences. Write Cd at the end of Compound Sentences: (5)

- (a) There is a volcano in the middle of the island. _____
- (b) It has not erupted for many years but is still active. _____
- (c) They could be burnt by the hot lava or they could be buried under the volcanic debris. _____
- (d) However, most of them are not afraid. _____
- (e) They simply get on with their lives and ignore the danger in their midst. _____

(c) Underline auxiliary verbs in the following statements: (5)

- (a) I had left a small village in the South of France.
- (b) I always do as I am told.
- (c) They have just arrived from Italy.
- (d) My brother is afraid of the dark.
- (e) Does anyone need any help?

(d) Identify Active or Passive voice and write the correct answers in the given space: (5)

- (a) Pandas are found in China. _____
- (b) Police is chasing the thief. _____
- (c) The shop has not yet been closed. _____
- (d) We have lived here for ten years. _____
- (e) Some instructions were given by the instructor. _____

(e) Form adverbs of the following words: (5)

- (a) careless _____
- (b) quiet _____
- (c) fast _____
- (d) true _____
- (e) heavy _____

(f) Fill in the blanks with Present and Past participles of the following verbs: (6)

Base Form	Present Participle	Past Participle
(a) climb	_____	_____
(b) stand	_____	_____
(c) know	_____	_____

(g) Fill in the blanks with the antonyms of the following: (4)

- (a) loss _____
- (b) live _____
- (c) sleep _____
- (d) war _____

Part II

Q2. Write an essay/composition of about 150 words on any one of the following topics: (10)

(a) My Hobby

(b) A True Muslim

Q3. Write a letter to your friend inviting him/her on your birthday party. (10)

OR

Write an application to the principal for the remission of fine.

Q4. Use the following words/phrases in sentences to make their meanings clear: (5)

(a) spectacular

(b) peaceful protest

(c) disgraceful conduct

(d) complain

(e) extinct

Q5. Read the following passage carefully and answer the questions given below: (10)

The beautiful valley of Kaghan lives in Hazara district in the Frontier Province. Tourists enter Kaghan from Abbottabad, from where they first go to Balakot, and then on to Kaghan village, which has given the valley its name. Next to Kaghan village is Naran which is 8100 feet high. Near Naran is the famous Saif -ul-Muluk Lake. Here the view is unforgettable. Clouds hang low. The surface of the lake is crystal clear. The snow-clad peaks rise in the east. A number of glaciers slide down in the lake and supply water to it throughout the year.

1. Where does the Kaghan valley lie?
2. From where do the tourists enter?
3. What is next to Kaghan village?
4. Where is the famous lake?
5. What is the height of Naran valley?

Q6. Translate the following sentences into English: (5)

1. وہ سکول جائے گا۔
2. سارا کپڑے دھو چکی ہے۔
3. کیا تم خط لکھتی ہو؟
4. بلی دودھ نہیں پی رہی تھی۔
5. کیا استاد نے بچوں کو پڑھایا؟

MODEL PAPERS FOR ADMISSION TO CLASS VIII**MATHEMATICS**

Time Allowed: 2hrs

Total Marks: 75

Q1. Encircle the correct answer.**/15**

1	Which of the following is not a set?	$\{1,2,3\}$	$\{a,b,c\}$	$\{2,3,4\}$	$\{1,2,2,3\}$
2	The set having only one element is called:	Null set	Power set	Subset	Singleton set
3	For three sets A, B and C, $(A \cup B) \cup C$?	$(A \cup B) \cap C$	$(A \cap B)$	$A \cup (B \cup C)$	$(A \cap B) \cap C$
4	The number of digits in the square root of 49729:	2	3	4	5
5	$\left(\frac{7}{9}\right)^2 =$ _____	$\frac{49}{6}$	$\frac{7}{81}$	$\frac{49}{81}$	$\frac{7}{3}$
6	Square of 0.9 is:	0.81	8.10	0.081	81.0
7	$\sqrt{1^2 \times 4^2} =$ _____	4	14	41	2
8	$(400)_5 - (33)_5 =$ _____	$(312)_5$	$(367)_5$	$(312)_{10}$	$(367)_{10}$
9	$(304)_5$ in decimal system is written as :	75	79	30	34
10	The place value of 10^3 is :	30	300	100	1000
11	$(6)_8 + (7)_8 =$ _____	$(15)_8$	$(15)_5$	$(51)_8$	$(51)_5$
12	If cp = 100, Sp = 125, profit % is	100%	125%	25%	225%
13	Polynomial $3y^2$ is :	linear	Quadratic	cubic	biquadratic
14	$2x^{-2}$ is :	A polynomial	Not a polynomial	A constant term	An inequality
15	In $2x - 3y + 4z$, there are variables	2	3	4	5

PART – B

NOTE: Write your Name, Roll Number and Section in the space given above. Use of ink remover and lead pencil is not allowed.

Q.2: Attempt all questions:**/30**

- Write the power set of $\{a, b, c\}$.
- If $U = \{a, b, c, d, e\}$, $A = \{d, e\}$ and $B = \{a, b, c\}$ then find the value of $(A \cup B)^c$.
- Define De Morgan's laws.
- The area of a square field is 16900m^2 Find the length of side of square.
- Find the square of 37.
- 144 students are standing in a rows in such a way that number of rows is equal in the number of students in each row. How many students are there in each row.
- Convert 15 into binary system.
- Convert $(101)_2$ into decimal system.
- Solve $(101)_2 + (111)_2$.

- x. Saud bought a motorcycle for Rs 500 and sold it for Rs 600. Find his percentage profit.
- xi. The market price of an article is Rs 3000. Discount on this article 20%. Find the sale price of the article.
- xii. If price of 12 eggs is Rs. 96, how many eggs can be bought for Rs 80?
- xiii. Simplify $(3x^2) \times (-2x^2)$
- xiv. Simplify $(x^2 + x - 6) \div (x - 2)$.
- xv. Find the product $(x + 2)(x + 3)$

PART – C

Note: Attempt all questions.

/30

Q.3: (a) If $U = \{1, 2, 3, 4\}$, $A = \{2, 4\}$, $B = \{1, 3\}$, Show that $(A \cap B)^c = A^c \cup B^c$ **(5 + 5)**

(b) The area of a rectangular field is 10092 m^2 . Its length is three times as long as its width. Find its Length and width.

Q.4: (a) Add $(2244)_5 + (4433)_5$. **(5 + 5)**

(b) 30 men repair a road in 56 days by working 6 hours daily. In how many days 45 men will repair the same road by working 7 hours daily.

Q.5: (a) Divide $x^3 - 2x + 4$ by $x + 2$ **(5 + 5)**

(b) Find the product of $(x^2 + x + 1)(x - 1)$.

**MODEL PAPER FOR ADMISSION TEST TO CLASS VIII
SCIENCE**

Time: 2 hrs

Total Marks: 75

OBJECTIVE TYPE

NOTE: Attempt all questions.

Q1: (a) Fill in the blanks:

/10

- (i) The top most and largest part of the brain is _____.
- (ii) The nerves which arise from spinal cord are called _____.
- (iii) The transmission of characteristics from parents to offspring is called _____.
- (iv) The first cell from which the life of an organism starts is _____.
- (v) $\text{HCl} + \text{NaOH} \longrightarrow \text{_____} + \text{_____}$.
- (vi) Heat produced during digestion of food in our body keeps us _____.
- (vii) Maleic acid is present in _____.
- (viii) Sodium hydroxide is also called _____.
- (ix) The principal focus of a convex lens is _____.
- (x) At the front of eyes there is a transparent hard skin known as _____.

(b): Four possible answers are given for the following question. Tick mark (✓) the correct answer.

/15

- (i) Hunger and thirst is controlled by:
(a) Cerebrum (b) hypothalamus (c) thalamus (d) pons
- (ii) The process by which extra salts are removed through skin is called
(a) Respiration (b) excretion (c) perspiration (d) circulation
- (iii) The Brain of an adult man weighs about:
(a) 1.5 Kg (b) 1.6 Kg (c) 1.8 Kg (d) 2.0 Kg
- (iv) In Humans, a sperm has 23 chromosomes. Egg cell has:
(a) 23 chromosomes (b) 46 chromosomes (c) no chromosomes (d) 69 chromosomes
- (v) In cat the number of chromosomes are:
(a) 14 (b) 16 (c) 20 (d) 30
- (vi) Chromosomes are made of:
(a) DNA only (b) proteins only (c) DNA, proteins and fats (d) DNA and proteins
- (vii) Formula of glucose is:
(a) CHO (b) CH₂O (c) CaCO₃ (d) C₆H₁₂O₆
- (viii) Which of the following is NOT a diatomic molecule?
(a) H₂ (b) Cl (c) N₂ (d) HCl
- (ix) How many hydrogen atoms are present in one molecule of Mg (HCO₃)₂?
(a) 2 (b) 4 (c) 6 (d) 8
- (x) The king of chemicals is:
(a) KOH (b) HCl (c) H₂SO₄ (d) Na
- (xi) Lactic acid is found in:
(a) grapes (b) tomatoes (c) yoghurt (d) ant's sting
- (xii) In basic solutions the cabbage indicator turns:
(a) red (b) purple (c) green (d) yellow

- (xiii) A ray parallel to principal axis, after refraction from convex lens:
 (a) does not bend (b) passes through F
 (c) passes through C (d) passes through the middle of F and C
- (xiv) Pupil is made smaller or larger by;
 (a) ciliary muscles (b) cornea (c) iris (d) retina
- (xv) When you are looking at closer objects, lens become
 (a) round (b) flattened (c) thinner (d) unchanged

SUBJECTIVE TYPE
(Part I)

Q2: Give short answers of the following questions.

10x2 =20

- (i) Define renal failure.
- (ii) Differentiate between receptors and effectors.
- (iii) Name two non-inheritable characters.
- (iv) What is a gene?
- (v) State law of conservation of mass.
- (vi) What is decomposition reactions? Give example.
- (vii) Mention the uses of two salts in industries.
- (viii) Which alkali is commonly used to open a drain?
- (ix) Differentiate between real and virtual image.
- (x) What is long sightedness?

(Part II)

Attempt all the following question.

10x3=30

- Q3: (a)** Explain the structure and function of Neuron or Nerve cell with the help of diagram. /6
- (b)** Differentiate between Voluntary and Involuntary actions. /4
- Q4: (a)** Describe the process of mitosis with the help of diagram. /5
- (b)** Differentiate between exothermic and endothermic reactions. Give examples. /5
- Q6: (a)** Why real image is not formed by concave lens? Explain with diagram. /5
- (b)** Define short-sightedness and long-sightedness. /5

دی پنجاب سکول

ماڈل پیپر برائے داخلہ جماعت ہشتم

پرچہ اردو

کل نمبر 75

وقت: 2 گھنٹے

مندرجہ ذیل سوالات کے جوابات جوابی کاپی پر تحریر کیجیے۔

15

سوال نمبر ۱۔ ایک جامع اور مربوط مضمون لکھیے جو کم از کم ۰۵ سطور پر مشتمل ہو (نادیدہ)

مثلاً: خدمتِ خلق

10

سوال نمبر ۲۔ درج ذیل عبارت میں خط کشیدہ الفاظ کے مترادف تحریر کیجیے۔

قوموں کی ترقی و..... میں علم و..... کا کردار بہت اہم ہے۔ اسی کی بدولت جہالت اور..... ختم کر کے قوم کو غفلت اور.....

..... سے نجات دلائی جاسکتی ہے۔ علم انسان میں عفو و..... عاجزی و..... اور سوجھ.....

..... پیدا کرتا ہے۔ علم انسان کو نظم و..... سکھاتا ہے اور معاشرے کی اصلاح میں معاون..... ثابت ہوتا ہے۔

5

سوال نمبر ۳۔ ایک ایسی مربوط عبارت لکھیے جس میں کے اور کہ کا استعمال کم از کم پانچ بار ہو۔

10

سوال نمبر ۴۔ درج ذیل عبارت میں سے خط کشیدہ الفاظ کے معانی لکھیے اور اس کی سلیبس اُردو لکھیے۔

کہا جاتا ہے کہ انسان ایک معاشرتی حیوان ہے۔ وہ معاشرے میں رہنے پر مجبور ہے۔ اُسے قدم قدم پر دوسروں کے سہارے کی ضرورت پڑتی ہے۔ انسان وہی ہے، جو دوسروں کا خیر خواہ اور ہمدرد ہو۔ اگر انسان دوسروں کے دکھ درد کو اپنا دکھ درد نہیں سمجھتا، تو وہ انسان کہلانے کا حق دار نہیں۔

5

سوال نمبر ۵۔ درج ذیل محاورات کے معانی لکھیے اور جملوں میں استعمال کیجیے۔

پالا پڑنا، آب آب ہونا، کشتوں کے پتے لگانا، باغ باغ ہونا، پھولے نہ سمانا

10

سوال نمبر ۶۔ فرض کیجیے کہ آپ کا دوست / سہیلی اکثر جھوٹ بولتا ہے۔ ایک مکالمے کے ذریعے یہ واضح کیجیے کہ جھوٹ برائی کی جڑ ہے۔ (نادیدہ)

5

سوال نمبر ۷۔ درج ذیل جملوں کے سامنے فعل معروف / فعل مجہول لکھیے۔

نمبر شمار	جملے	فعل معروف	فعل مجہول
1	شور مچایا جا رہا ہے		
2	علی نے پھول توڑا		
3	شازیہ نظم پڑھ رہی ہے		
4	بچہ رو رہا ہے		
5	خط لکھ دیا گیا ہے		

5

سوال نمبر ۸۔ درج ذیل الفاظ پر اعراب لگا کر تلفظ واضح کیجیے۔

استقبال ، محبت ، تغیر ، صبر ، مصور

10

سوال نمبر ۹۔ درج ذیل نظم / عبارت کو پڑھیے اور آخر میں دیے گئے سوالات کے جواب دیجیے۔ (نادیدہ)

بہت مخلص اور پاک بندے خدا کے نہ شہرت کے طالب، نہ خواہاں ثنا کے

نشاں جن سے قائم ہیں صدق و صفا کے نمائش سے بیزار، دشمن ریا کے

ریاضت سب اُن کی خدا کے لیے ہے

مشقت سب اُس کی رضا کے لیے ہے

س ۱۔ ان اشعار کا مرکزی خیال کیا ہے؟

س ۲۔ مخلص لوگ ہر کام کیا سوچ کر کرتے ہیں؟

س ۳۔ خدا کے مخلص بندے کن باتوں سے نفرت کرتے ہیں؟

س ۴۔ ان اشعار کا خلاصہ لکھیے۔

س ۵۔ ان اشعار کے لیے عنوان تحریر کیجیے۔