



The Punjab School

Admission Test Syllabus to Class VII 2024

(Doc No : SyID- 07)

Issue Date:

Issue No. 01

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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: Essays/Composition of about 100 words:

Grammar: Verbs, Adverbs, Auxiliary Verbs, Articles, Prepositions, Singular/ Plural, Masculine/ Feminine, Nouns (Proper, Common, Collective and Abstract), Pronouns (Personal, Relative and Reflexive), Synonyms, Antonyms (Fill in the blanks, Match the columns, Identification, Underline the correct Part of Speech, Correct use of Verb, Correct subject and verb agreement etc).

Composition: Descriptive and Narrative Writings (Descriptive e.g. Use of Library etc.) (Narrative e.g. A Visit to a Historical Place etc.) (about 100 words), **Letter** (Informal/Formal e.g. to friend/parents, sister/brother about your summer vacation, to departments i.e. Telephone, Wapda, Council to draw attention towards social issues, An honest woodcutter etc.) **Application** (Formal e.g. for one week leave etc.), **Story Writing** (Moral / Title: Honesty is the best Policy), Sentence making, Spelling(missing letters), Reading Comprehension (Q/Ans, etc.), **Tenses** (Translation from Urdu into English, Present, Past and Future Indefinite, Continuous and Perfect)

MATHEMATICS: Domain-1 Numbers and Operations (Factors and Multiples, Integers, Laws of Integers, Rate, Ratio and Percentage, Sets) **Domain-2** Algebra (Algebraic Expressions, Linear Equations) **Domain-3** Measurements (Surface Area and Volume) **Domain-5** Statistics and Probability

SCIENCE Skill: Cellular organization (cells, cell organelles, plant and animal tissues), Reproduction in plants (sexual and asexual reproduction), Balanced diet (food groups and its sources, balanced diet), Human digestive system (digestion, digestive glands, disorders of digestive system), Matter as particles (Particle Theory of Matter, particles in material objects, changes in states of matter), Elements and compounds (elements, structure of atoms, metals and non-metals, molecules and compound), Mixture (homogenous & heterogeneous mixture, solutions, types of solutions, alloys, separating mixture), Energy (potential energy and its types, kinetic energy and its types, dissipation of energy, sources of energy), Electricity (static electricity, current electricity, open and closed circuit, types of electric circuit), Magnetism (magnetic field, electromagnets, uses of magnets), Solar system (stars and planets, satellites, artificial satellites, communication satellites).

Urdu:

مضمون، خط، درخواست، کہانی، متن (نظم و نثر) کی تفہیم، تشریح/سلیس، مرکزی خیال، خلاصہ، الفاظ معانی، رموز اور قاف، اعراب، اسم کی اقسام بناوٹ کے لحاظ سے، اسم نکرہ کی اقسام، حروف کی اقسام، فعل کی اقسام، متلازم الفاظ، مترادف، متضاد، متشابہ الفاظ، واحد جمع، مذکر مؤنث، سابقہ لاحقہ، محاورات/ ضرب الامثال، مفرد اور مرکب جملے۔

Quran:

(کل نمبر 25)، *حفظ: سورۃ التین، *نماز: مکمل مع ترجمہ۔ دعا: رَبَّنَا آتِنَا فِي الدُّنْيَا حَسَنَةً وَفِي الْآخِرَةِ حَسَنَةً وَقِنَا عَذَابَ النَّارِ۔ مع ترجمہ، مسنون دعائیں با ترجمہ

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 topics** are pure guidelines as per level VI for the preparation of Admission Test. Marks allocation and nature of questions in actual papers may vary in any subject.

Day/Date	Subject	Time
Sunday 11 th February 2024	Mathematics	8:30 am to 10:00 am
	Urdu	10:05 am to 11:35 am
	Quran (Oral)	11:45 am to 1:00 pm
Monday 12 th February 2024	Science	8:30 am to 10:00 am
	English	10:05 am to 11:35 am



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Time Allowed: 1:30 hrs

Mathematics

Total marks: 75

Note: Attempt the following questions on the Answer Sheet. Use of calculator is not allowed.

Q1. Encircle the correct answer.

/15

1	Zero (0) is a multiple of every number except	one	two	itself	five
2	A number neither composite nor prime is	0	1	2	3
3	$- -5 = ?$	-5	5	-6	6
4	On the number line distance of any two integers is always	equal	double	triple	half
5	$-7 - (-2) = ?$	9	-9	5	-5
6	$(-3) \times (-2) = ?$	5	-5	6	-6
7	The reduced form of 12:18 is	2:3	2;6	3:2	3:6
8	12 out of 15 is	70%	80%	85%	90%
9	A decrease of 7% in Rs 1200 is	Rs. 70	Rs. 74	Rs. 84	Rs. 90
10	Symbol used for empty set is	ϕ	U	δ	\leftrightarrow
11	Formula to find the total number of subsets of a set is	n^2	2^n	$2n$	4^n
12	The value of $x - y$ for $x = 1, y = -1$ is	0	1	2	-2
13	Sum of $x - y$ and $y - x$ is	0	$2x$	$2y$	$2(x+y)$
14	Area of triangle with base 10cm and height 5cm is	15cm^2	20cm^2	25cm^2	30cm^2
15	A fair dice is thrown, the probability of getting 7 is	0	1	2	3

PART – II

Attempt all questions.

(12 × 5 = 60)

Q2. Find the prime factors of 64 by using factor tree method.

Q3. Find the HCF of 110 and 170 by division method.

Q4. Find the LCM of 150, 250 and 350.

Q5. Arrange -13, 0, -4, 8, -6, 5 in descending order.

Q6. Simplify $-7 + (-4) - (-5)$.

Q7. Simplify $4 \times 2 - \left[28 \div \left\{ 3 + (8 + \overline{6-3}) \right\} \right]$.

Q8. Convert $\frac{18}{5} \text{ km/h}$ to m/sec.

Q9. Write the proper and improper subsets of $A = \{p, q\}$

Q10. Simplify $(13p + 2p) - (6q - 2r) + 5r$

Q11. Solve $9x + \frac{3}{10} = x - \frac{2}{7}$

Q12. Find the surface area of cuboid with length, breadth and height 2cm, 3cm and 4cm respectively.

Q13. If two dice are thrown simultaneously, then what is the sample space?



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Time: 1:30 hr

Science

Total Marks: 75


OBJECTIVE TYPE

Q1. (a) Four possible options are given for the following. Tick (✓) the correct answer. (15)

- Animal cells do not make their own food because they do not have:
(a) Mitochondria (b) Vacuoles (c) Chloroplasts (d) Centrioles
- The “power house” of the cell are:
(a) Chloroplasts (b) Mitochondria (c) Vacuoles (d) Chromosomes
- Chromosomes are present in:
(a) Chloroplast (b) Nucleus (c) Cell wall (d) Vacuole
- Pollination is the transfer of:
(a) Sepal (b) Stamen (c) Pollen grain (d) Ovum
- Source of vitamin A is:
(a) Table salt (b) Carrot (c) Mustard oil (d) Sugar
- Saliva is produced in:
(a) Oral cavity (b) Oesophagus (c) Stomach (d) Small intestine
- There are strong forces of attraction between the particles of:
(a) Solids (b) Liquids (c) Gases (d) All of these
- Which one of the following is a metallic element?
(a) Hydrogen (b) Helium (c) Lithium (d) Carbon
- Which one of the following is a mixture?
(a) Air (b) Water (c) Carbon dioxide (d) Oxygen
- Our food is a source of:
(a) Mechanical energy (b) Chemical energy (c) Sound energy (d) Electrical energy
- The type of circuit used in domestic wiring:
(a) Series (b) Parallel (c) Open (d) Short
- A magnet can attract objects made of:
(a) Copper (b) Iron (c) Aluminum (d) Silver
- How long does it take for a geostationary satellite to complete one orbit?
(a) One day (b) One week (c) One month (d) One year
- Human skin is made of:
(a) Muscle tissue (b) Blood tissue (c) Epidermal tissue (d) Epithelial tissue
- The organ of a plant which takes part in sexual reproduction:
(a) Root (b) Stem (c) Leaf (d) Flower

(b) Fill in the blanks. (10)

- The material inside the nucleus is called _____.
- Zygote develops into _____.
- The quick source of energy are _____.
- The boiling point of water is _____ °C.
- Non-metals have _____ melting points.
- Brass is an alloy of copper and _____.
- The number of protons present in an atom of an element is called _____.
- The Moon is the _____ satellite of our Earth.
- Sound is a form of _____.
- The largest planet in the solar system is _____.

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SUBJECTIVE

Q2: Answer these short questions.

(20)

1. Differentiate between Xylem and Phloem tissues.
2. Write two functions of fats.
3. Define fertilization.
4. How is chewing important in human digestive system?
5. Write the names and symbols of any two metals.
6. What is binary solution?
7. How do liquids differ from gases?
8. Enlist three forms of stored energy.
9. Define magnetic field.
10. What are artificial satellites?

Answer the followings.

(30)

Q3. (a) Explain the role of small intestine in digestion and absorption of food.

(6)

(b) Write a note on Cell Wall.

(4)

Q4. (a) Describe the structure of an atom.

(6)

(b) What is sublimation? Explain with the help of an example

(4)

Q5. (a) Describe series circuit. What is its disadvantage?

(6)

(b) What is solar energy? Write its uses.

(4)



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Time Allowed: 1:30 hrs

English
Part I

Total marks: 75

Note: Use this question paper to write the answers to the following questions. No marks will be awarded for cutting or over writing. This paper must be tagged with the Answer Sheet.

Objective type

Q1: (a) Fill in the blanks with correct form of verb given in the bracket:

(5)

1. He has _____ his duty.(do)
2. She _____ me a story. (tell)
3. She _____ to school daily. (go)
4. I _____ a lot of letters yesterday. (write)
5. They _____ a football match yesterday. (play)

(b) Fill in the blank with a suitable preposition:

(5)

1. He is ill _____ fever.
2. She is not going _____ his office.
3. Let us go _____ the garden.
4. He was standing _____ the door.
5. Hard work is the key _____ success.

(c) Underline the adverbs in the given sentences:

(5)

1. I went to the market yesterday.
2. He often goes to Lahore.
3. She wept bitterly.
4. He drove the car carefully.
5. He writes well in the paper.

(d) Fill in the blank with the suitable relative pronoun:

(5)

which that who whose whom

1. I can't find the book _____ has exciting stories.
2. I don't know the boy _____ pencil I am using.
3. This is the boy _____ works hard.
4. The cat drank the milk _____ was on the table.
5. This is my friend with _____ I played in my childhood.

(e) Change the gender of the following words:

(5)

author	
colt	
stag	
priest	
negro	

(f) Write the opposite of the following words:

(5)

1. to succeed _____
2. to oppose _____
3. danger _____
4. wealth _____
5. early _____



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(g) Write the missing letter to complete the word: (5)

- (1) distin_uish (2) cour_ge (3) fur_ow (4) path_tic (4) appear_nce

Subjective type

Q2: Write an essay on any one of the following topics: (10)

(a) A Rainy Day

(b) My Favourite Personality

Q3: Write a letter to your father telling him about your progress in studies. (10)

OR

Write a story with the moral. "Greed is curse".

Q4: Write the sentences of the following words: (5)

- i) argument ii) eager iii) hatched iv) preserve v) echo

Q5: Read the paragraph and answer the following questions given at the end: (10)

Once a shepherd went out to graze his sheep but he left the hound at home to look after his baby of two years. When the shepherd had gone away, a wolf entered his house. He wanted to kill the baby but the hound at once rushed upon the wolf. There was hard fight between the two and the hound killed the wolf.

1. Why did the shepherd go out?
2. Why did he leave the hound at home?
3. How old was the baby?
4. When did the wolf enter the house?
5. What was the result of the fight between the two?

Q6: Translate the following into English: (5)

1. دھوبی کپڑے دھو چکا ہے۔

2. وہ اپنا وقت ضائع کرتا ہے۔

3. تم نے کھانا نہیں کھایا ہوگا۔

4. کسان فصلیں کاٹ رہے ہوں گے۔

5. کیا اس نے گانا نہیں گایا؟

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سوال نمبر 5- درج ذیل نظم / عبارت کو پڑھ کر اپنے الفاظ میں جواب دیجیے۔ (نادیدہ)

(10)

ڈرتے ڈرتے دم سحر سے تارے کہنے لگے قمر سے
نظارے رہے وہی فلک پر ہم تھک بھی گئے چمک چمک کر
کام اپنا ہے صبح و شام چلنا چلنا ، چلنا ، مدام چلنا
پیتاب ہے اس جہاں کی ہر شے کہتے ہیں جسے سکون نہیں ہے
چلنے والے نکل گئے ہیں جو ٹھہرے ذرا کچل گئے ہیں

- 1- 'قمر' کا کیا مطلب ہے؟
2- ستاروں کی زندگی کیسی ہے؟
3- ہماری دنیا کی کیا خاصیت ہے؟
4- اس نظم سے کیا سبق ملتا ہے؟
5- نظم کا عنوان کیا ہو سکتا ہے؟

سوال نمبر 6- درج ذیل جملوں میں استعمال ہونے والے الفاظ کے متضاد / مترادف الفاظ کر کے جملہ دوبارہ تحریر کیجیے۔

(5)

- 1- زندگی اللہ کی نعمت ہے
2- اللہ ہمیں نیکی کی توفیق دے۔
3- سورج کی کرنیں زمین پر پڑیں۔
4- علی غم سے نڈھال تھا۔
5- یہ ہمارے عروج کی داستان ہے۔

سوال نمبر 7- "اپنی مدد آپ" کے عنوان پر مضمون تحریر کیجیے۔ (نادیدہ)

(15)

سوال نمبر 8- املا کا پیرا گراف

(10)