SYLLABUS OUTLINES– ENGLISH

- Reading Comprehension
- The Parts of Speech
- Synonyms
- Antonyms
- Translation
- Vocabulary
- Active and Passive Voice
- Narration
- Conditional Sentences
- Tenses
- Articles
- Letter Writing
- Application Writing
- Email Writing
- Paragraph Writing
- Essay Writing
- Dialogue Writing

MODEL PAPER– ENGLISH

NOTE: ATTEMPT ALL QUESTIONS.

Q. 1: Choose the correct option: *(15 × 2 = 30 Marks)*

i. In the sentence, *"The children cleaned the classroom by themselves,"* the word *themselves* is a/an:

a) Possessive Pronoun b) Reflexive Pronoun c) Demonstrative Pronoun
d) Relative Pronoun

ii. Select the correct example of a First Conditional sentence:

a) If it rains tomorrow, we will postpone the match.
b) If I were you, I would take the advice.
c) If she studied hard, she passed the exam.
d) If they had left earlier, they would have caught the train.

iii. Convert the noun *"harm"* into its corresponding adjective form:

a) Harmed b) Harmfulness c) Harmful d) Harmlessly

iv. Identify the sentence with correct article usage:

a) Indus River is the longest river in Pakistan.
b) The Indus River is a longest river in Pakistan.
c) The Indus River is the longest river in Pakistan.
d) An Indus River is the longest river in Pakistan.

v. Ali was tired after the long campaign against pollution, ___ he was very happy with the results.

a) and b) but c) because d) so

vi. A beautiful painted vase was presented to Saima by Amna.

a) Saima presented a beautiful painted vase to Amna.
b) Amna presented a beautiful painted vase to Saima.
c) Amna was presenting a beautiful painted vase to Saima.
d) Saima receives a beautiful painted vase from Amna.

vii. Mr. Zaman has been serving as a teacher in this school _____ 2015.

a) for b) from c) since d) during

viii. The teacher said, "Please clean the blackboard before leaving, Meena."

a) The teacher ordered Meena to clean the blackboard before leaving.
b) The teacher asked Meena to clean the blackboard before leaving.
c) The teacher told Meena that she must clean the blackboard.
d) The teacher requested Meena for cleaning the blackboard.

ix. The noun form of the verb *"decide"* is:

a) Decisiveness b) Decidedly c) Decision d) Deciding

x. Choose the correctly punctuated sentence:

a) She listed her daily tasks: studying, practicing sports, and reading books.
b) She listed her daily tasks studying: practicing sports: and reading books.
c) She listed: her daily tasks studying, practicing sports, and reading books.
d) She listed her daily tasks, studying: practicing sports, and reading books.

xi. Can you please pass me _____ salt to add to the soup?

a) a pinch of b) ten pages of c) a tankful of d) a slice of

xii. In the sentence *"He rarely misses his morning exercise,"* the word *rarely* functions as a/an:

a) Adjective b) Noun c) Adverb of frequency d) Preposition

xiii. By the time the guests arrive, we _____ all the arrangements.

a) will finish b) will have finished c) had finished d) finished

xiv. What is the plural form of "*criterion"***?**

a) Criterions b) Criteria c) Criterias d) Criterion

xv. Identify the grammatically correct sentence:

a) Neither the manager nor his assistants was available.

b) Neither the manager nor his assistants were available.

c) Neither the manager nor his assistants is available.

d) Neither the manager nor his assistants are available.

Q. 2: Write an essay (250-300 words) on any ONE of the following topics: (15)

(a) Artificial Intelligence and Digital Learning. **(b) The Value of Discipline in life**

(c) A Visit to an Historical Place **(d) Impact of Social Media on Teenagers**

Q. 3: Write a dialogue between two friends highlighting the importance of physical exercise and sports for maintaining a healthy mind and body. (10)

***********THE END**********

SYLLABUS OUTLINES–URDU

اُردو کے پرچے کے لیے خاص نکات

- پرچے کا دورانیہ تفصیلی سوالات کے لیے آدھا گھنٹہ ہوگا۔
- پرچے کے لیے ۱۵ نمبر کے تفصیلی جواب میں مضمون، پیرا گراف، خط اور درخواست میں سے کسی ایک پر لکھنا ہوگا۔ جبکہ ۱۰ نمبر کے سوال میں اردو قواعد کے سوالات یا آٹھویں جماعت کے مطابق عام فہم چیزیں پوچھی جائیں گی۔
- امتحانی پرچے میں سوالات کو تین حصوں میں تقسیم کیا گیا ہے۔
- کثیر الانتخابی (MCQ)، مختصر سوالات اور تفصیلی سوالات کے جوابات۔
- کثیر الانتخابی اور مختصر سوالات، اردو کے عام فہم موضوعات اور قواعد و انشاء سے متعلق ہوں گے۔
- تفصیلی سوالات میں شامل مختصر مضمون، پیرا گراف، خط اور درخواست کے موضوعات عام فہم اور روزمرہ استعمال کے مطابق ہوں گے۔

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MODEL PAPER–URDU

(کثیر الانتخابی سوالات)

سوال نمبر۱: نوٹ : مندرجہ ذیل سوالات کے درست جوابات پر ( ) کا نشان لگائیے (۲۰)

(۱) جو اسم کسی خاص شخص، جگہ یا چیز کا نام ہو، اسے کہتے ہیں؟ (الف) اسم نکرہ (ب) اسم معرفہ (ج) اسم ضمیر (د) اسم صوت

(۲) دیے گئے الفاظ میں سے "اسم نکرہ" کی مثال کون سی ہے (الف) علامہ اقبال (ب) دریا (ج) اسم ضمیر (د) لاہور

(۳) قوم کی جڑیں کمزور ہونے کی وجہ ہوتی ہے۔ (الف) طوفان (ب) اخلاقی کمزوری (ج) غربت (د) پریشانی

(۴) وہ کلمہ جو کسی کام کا کرنا یا ہونا ظاہر کرے، کہلاتا ہے۔ (الف) اسم (ب) فعل (ج) حرف (د) صفت

(۵) "حشرات الارض" سے مراد ہے۔ (الف) چوپائے (ب) پرندے (ج) درندے (د) کیڑے مکوڑے

(۶) لفظ بہادر، درج ذیل میں سے کیا ہے۔ (الف) اسم صفت (ب) فاعل (ج) اسم موصول (د) مفعول

(۷) ان الفاظ میں سے کون سا لفظ "واحد" اور اسکی جمع کا درست جوڑا ہے۔ (الف) کتاب۔ کتابیں (ب) بات۔ باتیں (ج) شعر۔ اشعار (د) یہ تمام درست ہیں

(۸) قائداعظم نے قیادت سنبھالی۔ (الف) مسلم لیگ کی (ب) پاکستان لیگ کی (ج) عوامی لیگ کی (د) اسٹوڈنٹس لیگ کی

(۹) "صبح" کا متضاد (الٹ) ہے۔ (الف) رات (ب) دن (ج) شام (د) دوپہر

(۱۰) یوم استقلال منایا جاتا ہے۔ (الف) ۱۴ اگست کو (ب) ۲۸ مئی کو (ج) ۵ فروری کو (د) ۲۳ مارچ کو

(۱۱) "چاند اور سورج" میں تعلق ہے۔ (الف) واحد، جمع کا (ب) ضد کا (ج) مذکر، مونث کا (د) کوئی نہیں

(۱۲) وہ اسم جو کسی کی آواز کو ظاہر کرے، کہلاتا ہے۔ (الف) اسم صوت (ب) اسم ظرف (ج) اسم مصدر (د) اسم نکرہ

(۱۳) لفظ "خوف ناک" میں لاحقہ کون سا ہے۔ (الف) خوف (ب) ناک (ج) دونوں (د) کوئی نہیں

(۱۴) "زیر و زبر کرنا" محاورے کا درست مفہوم کیا ہے۔ (الف) ناراض کرنا (ب) بہت شور مچانا (ج) تباہ و برباد کرنا (د) آسمان سر پر اٹھانا

(۱۵) ہمارے قومی شاعر ہیں۔ (الف) حالی (ب) اسماعیل میرٹھی (ج) ظفر علی خان (د) کوئی نہیں

Marks : 25 **Class VIII** **Time : 30 Minutes**

سوال نمبر۲۔ درج ذیل سوالات میں سے کسی بھی دو سوالات کے جواب تحریر کیجیے۔ (۱۰)

(۱)۔ الفاظ و محاورات کو اپنے جملوں میں استعمال کیجیے۔ خطا کار ۔ آنکھیں دیکھنا۔ دم نکلنا ۔ جدوجہد۔

(۲)۔ دیے گئے الفاظ کے متضاد لکھیے؟ بدقسمتی۔ زندگی۔ تاریکی۔ عوام۔ معروف۔

(۳)۔ واحد، جمع لکھیے ۔ مشکلات۔ فساد ۔ شخص ۔ اجسام۔ شہید۔

سوال نمبر۳۔ دس سطروں یا دس جملوں میں لکھیے کہ گاؤں کی زندگی شہر کی زندگی سے بہتر ہے۔ (۱۵)

"یا"

کسی ایک موضوع پر مختصر مضمون لکھیے ۔

(۱) میرا پسندیدہ کھیل (۲) AI کے فائدے اور نقصانات (۳) صبح کی سیر

SYLLABUS OUTLINES–ISLAMIAT

CHAPTER 2: BELIEFS AND WORSHIPS

A) Beliefs

1. Belief in the Hereafter and its role in Personality Development

Concept of Day of Judgement, Paradise, Hell

How belief in Hereafter makes character better

Accountability

B) Worships

Fasting

Types of fasting, conditions, importance, Ramazan

Social and moral benefits

Hajj and its Globalization

Pillars of Hajj, Compulsory Acts, Importance

Hajj as International Muslim Unity

CHAPTER 3: LIFE OF PROPHET (PEACE BE UPON HIM)

1. Great Moral Character

2. Patience and Forbearance

3. Sincerity and Piety

4. Justice and Benevolence

5. Good Social Life

6. Speaking Style of Hazrat Muhammad (SAW) The Last Prophet

How Prophet (SAW) used to talk, politeness, truth

7. Domestic Life

Life as husband, father, family head

CHAPTER 4: MORALS AND MANNERS

1. Commanding the good and forbidding the evil

2. Lawful Earning (Halal Earning)

3. Honesty in Business

MODEL PAPER–ISLAMIAT

1. How many main pillars (Arkan) of Hajj are there?

A) 3 B) 4 C) 5 D) 6

2. What is the Nisab of gold for Zakat?

A) 7.5 Tola B) 10 Tola C) 52.5 Tola D) 5 Tola

3. When did Hijrat-e-Madina take place?

A) 620 AD B) 622 AD C) 624 AD D) 630 AD

4. Why did Muslims suffer loss in Ghazwa-e-Uhud?

A) Archers left their position B) Hypocrisy C) Small number D) Less weapons

5. Where was Khutba Hajjat-ul-Wida delivered?

A) Masjid-e-Nabvi B) Plain of Arafat C) Masjid Al-Haram D) Cave of Hira

6. How many Masarif of Zakat are there?

A) 6 B) 7 C) 8 D) 9

7. How long was the Khilafat of Hazrat Abu Bakar (RA)?

A) 2 Years 3 Months B) 10 Years C) 12 Years D) 4 Years

8. What does Huqooq-ul-Ibad mean?

A) Rights of Allah B) Rights of people C) Rights of Angels D) Rights of parents

9. Fasting in Ramadan is:

A) Sunnah B) Wajib C) Farz D) Mustahab

10. Is Surah Al-Asr Makki or Madni?

A) Makki B) Madni C) Both D) None

SYLLABUS OUTLINES–SINDHI

اٿين درجي ۾ داخلا لاءِ نصابي آگاهي

(MCQs) گهڻ چُونڊ سوال، ستين درجي جي لازمي سنڌي ڪتاب مان

گرامر بابت ٻہ سوال، مثال صفت ان جا قسم يا طرف زمان ڇا آهي وغيره

مختلف موضوعن تي اڌائي سئو لفظن جو مضمون مثال، سموندِ جو سير، گورک هل اسٽيشن وغيره

خط ۽ درخواست، مثال پنهنجي پاءُ کي خط لکي ڪيس ڪتابي ميلي گهمڻ جي دعوت ڏيو يا پنهنجي اسڪول جي پرنسپل کي پنهنجي پاءُ جي شاديءَ لاءِ هڪ هفتي جي موڪل لاءِ درخواست لکو.

MODEL PAPER–SINDHI

سوال 1. صحيح جوابن جي چونڊ ڪريو. **(30)**

1. قرآن شريف جي قائدن يا اسلامي قانونن کي چئبو آهي.

(الف) شريعت (ب) خلافت (ج) وحدت (د) طريقت

2. هوشو شيدي جنگ ۾ شهيد ٿيو.

(الف) مياڻي جي (ب) امام ڳڙهه جي (ج) دٻي جي (د) ڪرڙي جي

3. پاڪستان جي نامياري سائنسدان ڊاڪٽر کي نوبل انعام مليو.

(الف) عبدالقدير (ب) عبدالڪلام (ج) عبدالسلام (د) ثمرمبارڪ

4. اسٽيٽ بينڪ جو بنياد عيسوي سن ۾ وڌو ويو.

(الف) 1947 (ب) 1948 (ج) 1949 (د) 1950

5. سمنڊ ۾ پاڻي پوڻ سان ٻيلا پيدا ٿين ٿا.

(الف) تمر جا (ب) ڪِرڙ جا (ج) ٻُہر جا (د) نِم جا

6. اسان جي قومي ايئر لائين جو نالو آهي.

(الف) ايئر بليو (ب) انڊس ايئر (ج) شاهين ايئرلائين (د) پي آئي اي

7. موجد جي معني آهي.

(الف) ايجاد ڪندڙ (ب) تعمير ڪندڙ (ج) موجود رهندڙ (د) اختيار ڪندڙ

8. اهو لفظ جيڪو وقت، جاءِ، ريت، قدر، هاڪار ۽ ناڪار ڏيکاري ان کي چئبو آهي.

(الف) ضمير (ب) زمان (ج) ظرف (د) صفت

9. خوشحالي لفظ جو ضد آهي.

(الف) شاهوڪاري (ب) بدحالي (ج) اميري (د) غريبي

10.امام ابو حنيفه کي دفن ڪيو ويو.

(الف) بغداد ۾ (ب) دمشق ۾ (ج) مديني ۾ (د) مڪي ۾

11.ڪونڙي بئراج جي ڊيگھ اٽڪل ميٽر آهي.

(الف) هڪ هزار (ب) ٻه هزار (ج) ڏھ هزار (د) پنج سئو

12.پينگھو لفظ گرامر موجب آهي

(الف) اسم خاص (ب) ضمير (ج) اسم عام (د) صفت

13. ۾ ، تي ۽ کي گرامر موجب آهن.

(الف) حرف جر (ب) حرف جملو (ج) حرف ندا (د) ظرف

14. رئيس غلام محمد پرڳڙي جو تعلق شهر جي ڳوٺ ڊينگاڻ سان هو.

(الف) عمر ڪوٽ (ب) سانگھڙ (ج) ميرپور بٹورو (د) ميرپور خاص

15. ڪاوڙ ڏيندڙ ڳالھ تي ڪاوڙ نہ ڪرڻ کي چئبو آهي.

(الف) سھپ (ب) غصو (ج) پريشاني (د) خصلت

سوال 2. هيٺين مان ڪنهن بہ هڪ تي مضمون لکو. (15)

(الف) همدري (ب) حڪيم شهيد محمد سعيد (ج) صحت جا دشمن

سوال 3. (الف) اسم عام ۽ اسم خاص کي ڌار ڪري لکو. (05)

انسان، پينگھو، بدر، معلم، چينُ

سوال 3. (ب) حرف ندا جا کي بہ ٽي لفظ جملن ۾ ڪم آڻيو. (05)

********** الله **********

واهي**********

SYLLABUS OUTLINES–MATHEMATICS

I. Rational Numbers

II. Exponents

III. Financial Arithmetic

IV. Algebraic Expressions

V. Linear Equations

VI. Fundamentals of Geometry

VII. Circumference, Area and Volume

MODEL PAPER–MATHEMATICS

Q1. Choose the correct options.

1. Salman purchased a mobile set for Rs. 15000. he sold it for Rs.12000 then loss will be _____%
   a) 15 b) 20 c)25 d) 30
2. Two angles are said to be ... ... angles if their sum is 90^0
   a) Supplementary b) Complementary c)Adjacent d) Similar
3. 2.712 is a/an _____ number.
   a) Irrational b) Rational c) Odd d) Prime
4. Reciprocal of $-\frac{3}{5}$ is _____.
   a) $\frac{3}{5}$ b) $-\frac{5}{3}$ c) $\frac{5}{3}$ d) none
5. Area of rectangle =_____cm^2 ,when length = 6cm and breadth= 2.5cm
   a) 15) b) 15.5 c)10 d) none
6. The LCM of 12 and 9 is :
   a) 3 (b) 36 (c) 27 (d) none
7. $\frac{4}{3} \div \frac{2}{15} =$ _____.
   a)2 b) 5 c)10 d) 20
8. A triangle has _____ elements.
   a)2 b) 3 c) 4 d) 6
9. $(+5) \div (-5) =$_____.
   a) 0 b) 1 c)-1 d) 2
10. In $-4y^3$, the co-efficient of y ----------
    a)3 b) -3 c) 1 d) -4
11. The exponent of $(5)^{-7}$ is _____.
    a) -7 b) 5 c) 7 d) none
12. $\frac{14}{3}$ = _____.
    a) $3\frac{4}{3}$ b) $4\frac{3}{4}$ c) $4\frac{2}{3}$ d) none
13. The sum of the angles of a triangle is = _____.
    a) 180° b) 90° c) 45° d) 60°
14. $(2a + 7b) \times 4c$= _____.
    a) $8ac + 7b$ b) $8ac + 7bc$ c) $8ac + 28bc$ d) $2ac + 28bc$
15. $\frac{5}{2} - \frac{3}{2}$ = _____.
    a) 1 b) 2 c) $\frac{3}{2}$ d) $\frac{5}{2}$
16. The HCF of 12 and 30 is :
    a) 2 b) 4 c) 6 d) none
17. $a^4 \times a^3$=_____.
    a) a^7 b) a^{12} c) a d) none
18. The absolute value of $|-2|$ is
    a)-2 b) ± 2 c)$-(-2)$ d) none
19. 1 is a/an _____ number
    a) Even b) Prime c) Composite d) none

20. The factors of $a^2 - 9$ are _____

a) $(a + 3)(a + 4)$ b) $(a - 2)(a - 3)$ (c) $(a + 3)(a - 3)$ d) none

21. _____ is a rational number.

a) √2 b) π c) 3/5 d) √3

22. The reciprocal of −4/7 is_____.

a) 4/7 b) −7/4 c) 7/ 3 d) −4/7

23. The additive inverse of 5/9 is_____.

a) 9/5 b) 5/9 c) −5/9 d) −9/5

24. Which is greater _____.

a) −2/3 b) −3/4 c) −5/6 d) −7/8

25. The result of 2/3 + 1/6 is _____.

a) ½ b) 2/3 c) 5/6 d) 1

26. The product of (−2/5) × (15/4) is _____,

a) −3/2 b) 3/2 c) −6/5 d) 6/5

27. The product of $9a$ and $6b$ is:

a)9ab b)15ab c)96ab d)54ab

28. $x^2 - y^2$

a) $(x - y)$ b)$(x - y)(x + y)$ c)$(x - y)^2$ d)

29. $x^2 - x$

a)x b)$x(x - 1)$ c)x^2 d) $x - x^2$

30. Every Liner equation has _____ solution (s).

a) one b)two c)three d)four

31. The solution of $6x + 1 = 7$ is _____.

a) $x = 0$ b)$x = 1$ c)$x = 2$ d)$x = 3$

32. Which one of the following is true?

a)$\frac{d}{2r}$ b)$c = 2d$ c)$\pi = c$ d)$d = 2r$

33. The area of a circle is _____ sq. cm when its radius is 1 cm.

a)22/7 b)7/22 c)1/7 d)1/22

34. $x^{10} \div x^4$

a)x^7 b)x^2 c)x^6 d) x^4

35. $(y^2)^7$

a)y^2 b)y^7 c)y^9 d)y^{14}

36. Two angles are said to be adjacent if they have a common_____ and arm.

a)vertex b)direction c)degree d)point

37. A linear equation contains variables of degree _____ only.

a)two b)one c)three d)four

38. The rate of zakat is _____.

a)2.5% b) 1.5% c) 3.5% d) 4.5%

39. Cost Price − Selling Price = _____.

a)loss b)profit c)cp d)sp

40. $(-a)^n$ is positive if n is _____.

a)even b)odd c)integer d)natural

SYLLABUS OUTLINE–IQ

1. Verbal Reasoning

This section assesses the student's ability to understand, analyze, and solve problems using language-based concepts and logic.

Vocabulary & Word Relations: Synonyms, antonyms, analogies, and odd-one-out word identification.

Sentence Completion Fill-in-the-blanks using context clues, grammar rules, and appropriate vocabulary.

Coding and Decoding: Letter shifting, word substitution, and deciphering alphanumeric codes.

Blood Relations & Direction Sense: Solving multi-step family tree puzzles and directional tracking problems.

Critical Reading & Logic: Identifying underlying assumptions, drawing logical conclusions, and statement-based reasoning.

2. Numerical Reasoning

This section evaluates quantitative logic, mathematical patterns, and problem-solving skills appropriate for secondary level.

Number Series & Sequences: Identifying missing numbers, arithmetic/geometric progressions, and complex numerical patterns.

Arithmetical Reasoning: Word problems involving percentages, ratios, proportions, age calculations, and speed-distance-time.

Mathematical Operations & Puzzles: Symbol substitution, equation balancing, and matrix number puzzles.

Data Interpretation: Basic analysis and inference from tables, bar charts, and pie charts.

3. Logical Reasoning

This section measures deductive and inductive reasoning, problem-solving frameworks, and critical thinking.

Syllogisms: Analyzing statements to determine valid conclusions.

Alphabet & Alphanumeric Series: Spotting patterns and gaps in mixed letter-number sequences.

Venn Diagrams: Logical categorization, intersection of sets, and relational data problems.

Seating Arrangements & Puzzle Tests Linear, circular, and tabular arrangement logic.

Cause and Effect: Identifying direct relationships between given statements or events.

4. Abstract / Pattern Recognition

This section tests non-verbal logic, spatial awareness, and visual pattern recognition through shapes and figures.

Figure Matrix & Analogies: Identifying missing tiles or matching visual relationships based on shape transformations.

Series & Progression (Visual): Determining the next step in a sequence of rotating, scaling, or morphing geometric figures.

Paper Folding & Cutting: Visualizing 2D flat patterns folded into 3D shapes or unfolding punctured papers.

Mirror and Water Images: Recognizing spatial inversions and reflections of geometric shapes and letters.

Embedded & Hidden Figures: Locating specific shapes concealed within complex abstract designs.

MODEL PAPER–IQ

Q No.1 **Which side of the cup does have its handle?**

A) Left side B) Right side C) Both sides D) Outside

Q No.2 **If Sadia runs faster than Saima, Maria runs faster than Sadia and Anam runs faster than all. Who is the slowest runner?**

A) Saima B) Sadia C) Anam D) Maria

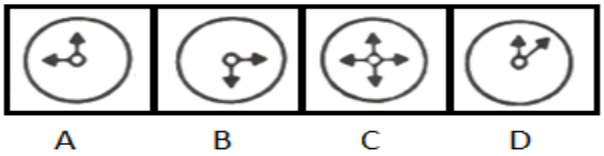
Q No.3 **In which month of the Islamic calendar Prophet Muhammad peace upon him was born?**

A) Ramzan B) Safar C) Rabi-ul-Awwal D) Rabi-us-Sani

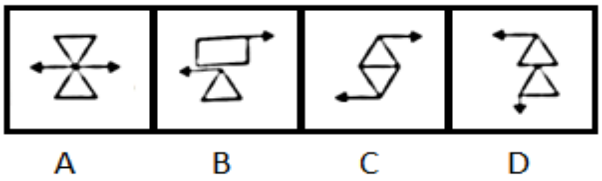
Q No.4 **In the series 9, 18, 27, 36, _____**

A). 55 B). 42 C).45 D). 54

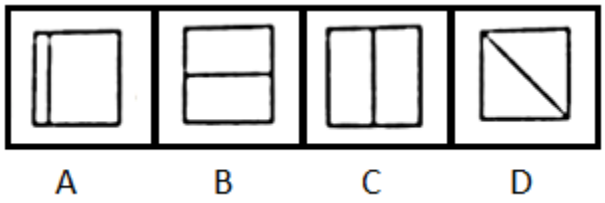
Q No.5 **Which picture is different from the other pictures in the following figure?**



Q No.6 **Which picture is different from the other pictures in the following figure?**



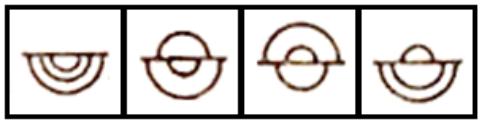
Q No.7 **Which picture is different from the other pictures in the following figure?**



Q No.8 **PROBLEM FIGURES:**

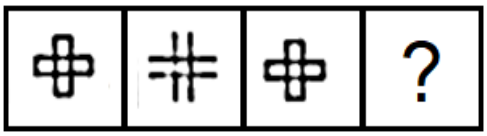


ANSWER FIGURES

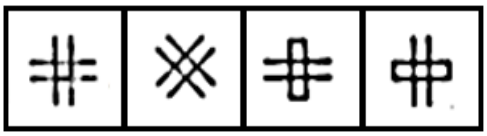


A B C D

Q No.9 **PROBLEM FIGURES:**

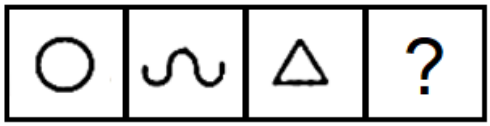


ANSWER FIGURES

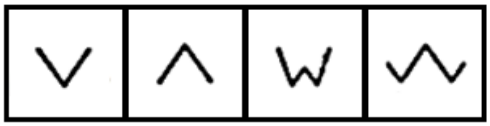


A B C D

Q No.10 **PROBLEM FIGURES:**

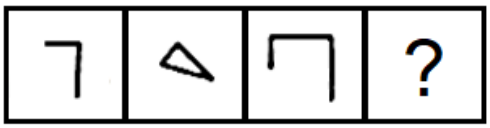


ANSWER FIGURES

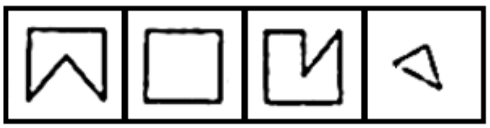


A B C D

Q No.11 **PROBLEM FIGURES:**



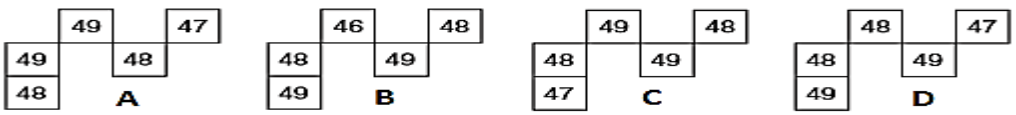
ANSWER FIGURES



A B C D

Q No.12 **Which is the missing section?**

50	51	49	52	48
46	47	45	48	44
49	50		51	
47		46		45
48		47	50	46



Q No.13 **How many minutes are in a full week?**

A). 10080 **B**). 10070 **C**). 12280 **D**). 21280

Q No.14 **What number best completes the analogy: 9:3 as 6:_?**

A) 2 B) 4 C) 5 D) 3

Q No.15 **Choose the one which is different:**

A) Sea B) Rain C) River D) Lake

Q No.16 **Which number should come next in the pattern: 7, 5 , 3 , 1 _____**

A) 9 B) 0 C) -1 D) -2

Q No.17 **9 is to 81 , 13 is to _____**

A) 139 B) 89 C) 169 D) 229

Q No.18 **A boy walked 4 kilometers towards north turned to his left and walked 6 kilometers again turned left and walker 4 kilometers. What is the distance from the starting point to the place where he stopped?**

A) 10 kilometers B) 6 kilometers C) 0 kilometer D) 4 kilometers

Q No.19 **Three normal birds and four normal dogs have how many total legs.**

A) 28 B) 24 C) 22 D) 14

Q No.20 **Which number does not belong in the series …..1– 2 – 5 – 10 – 13 – 26 – 29 – 48**

A) 48 B) 5 C) 26 D) 29

Q No.21 **Which one of these is least like others?**

A) Deer B) Shark C) Lion D) Cow

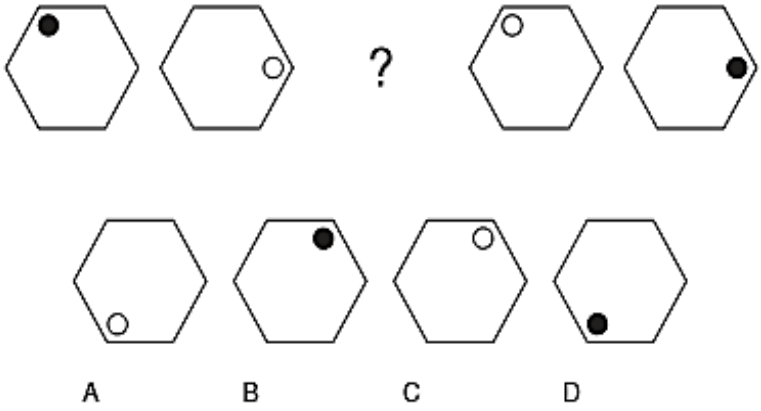
Q No.22 **Complete the series: A, Z, B, Y, C, X, D, -?-**

A) U B) E C) W D) F

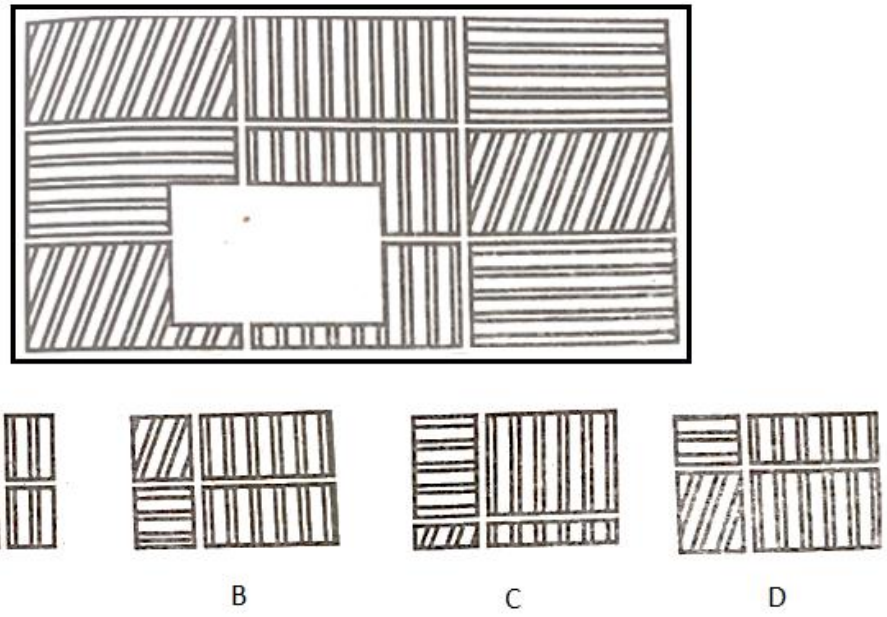
Q No.23 **When light hits anything, it bounces back, this is known as:**

A) Reflection B) Refraction C) Dispersion D) Vibration

Q No.24 **Which figure should replace the question marks?**



Q No.25 **Observe the below figure and identify the missing part.**



THE END

SYLLABUS OUTLINES–GENERAL SCIENCE

- **General Science VII Class Book of Sindh Text Book Board Jamshoro.**

Biology:	**Human Organ Systems, Transport System in Humans and Plants**	• Human Digestive System • Human Respiratory System • Human Blood Circulatory System • Components of Blood • Heart and Its Functions • Blood Vessels • Transportation in Plants • Xylem and Phloem • Translocation
	Reproduction in Plants	• Reproduction in Plants • Pollination • Types of Pollination • Agents of Pollination • Sexual and Asexual Reproduction • Fertilization in Plants • Formation of Seeds and Fruits
Chemistry:	**Structure of an Atom**	• Matter and Atoms • Structure of an Atom • Protons, Neutrons and Electrons • Atomic Number • Mass Number • Atomic Models • Electron Shells • Distribution of Electrons
	Physical and Chemical Changes	• Physical Changes • Chemical Changes • Differences between Physical and Chemical Changes • Examples of Physical Changes • Examples of Chemical Changes • Signs of Chemical Changes • Reversible and Irreversible Changes
Physics:	**Transmission of Heat**	• Heat and Temperature • Conduction • Convection

		• Radiation • Conductors and Insulators • Applications of Heat Transfer • Land Breeze and Sea Breeze
	Dispersion of Light, Sound Waves	• Light • White Light • Dispersion of Light • Spectrum • Formation of Rainbow • Prism • Production of Sound • Sound Waves • Vibrations • Propagation of Sound

Scope of the Syllabus: The syllabus covers major areas of basic science:

- **Biology:** Understanding human organ systems, blood circulation, transportation in plants and reproduction in flowering plants.
- **Basic Chemistry:** Developing knowledge of atomic structure, subatomic particles, electron distribution and physical and chemical changes.
- **Physics:** Understanding heat transfer, temperature, properties of light, dispersion, sound production and wave propagation.

Importance of the Syllabus

- ✓ Develops fundamental scientific knowledge and conceptual understanding.
- ✓ Enhances students' observation, analytical and critical-thinking skills.
- ✓ Promotes understanding of biological structures and life processes.
- ✓ Builds a foundation for understanding atomic structure and chemical phenomena.
- ✓ Develops awareness of heat transfer, light and sound in everyday life.
- ✓ Encourages scientific reasoning and problem-solving abilities.
- ✓ Connects theoretical knowledge with practical and real-life applications.
- ✓ Provides a systematic framework for teaching, learning and assessment.
- ✓ Establishes a foundation for higher-level studies in science.

MODEL PAPER–GENERAL SCIENCE

Q.1Which organ is primarily responsible for the digestion of proteins in the human body?

A. Mouth B. Stomach

C. Large intestine D. Oesophagus

Q.2Which gas is transported by red blood cells from the lungs to body tissues?

A. Nitrogen B. Carbon dioxide

C. Oxygen D. Hydrogen

Q.3Which component of blood helps in clotting?

A. Red blood cells B. White blood cells

C. Platelets D. Plasma

Q.4Which blood vessels carry blood away from the heart?

A. Veins B. Arteries

C. Capillaries D. Nerves

Q.5Which plant tissue transports water and minerals from roots to other parts of the plant?

A. Phloem B. Xylem

C. Epidermis D. Cortex

Q.6The transfer of pollen grains from the another to the stigma is called:

A. Fertilization B. Germination

C. Pollination D. Translocation

Q.7Which part of a flower develops into a fruit after fertilization?

A. Ovule B. Ovary

C. Anther D. Stigma

Q.8Which subatomic particle carries a positive electrical charge?

A. Electron B. Neutron

C. Proton D. Nucleus

Q.9The atomic number of an element is equal to the number of:

A. Neutrons B. Protons

C. Protons and neutrons D. Electrons and neutrons

Q.10 The mass number of an atom is the sum of:

A. Protons and electrons B. Electrons and neutrons

C. Protons and neutrons D. Only protons

Q.11 Which subatomic particle has no electrical charge?

A. Proton B. Electron

C. Neutron D. Ion

Q.12 Which of the following is an example of physical change?

A. Burning of wood B. Rusting of iron

C. Melting of ice D. Cooking of food

Q.13 Which of the following indicates a chemical change?

A. Cutting paper B. Breaking glass

C. Formation of gas during a reaction D. Melting wax

Q.14 The transfer of heat through direct contact between particles is called:

A. Radiation B. Convection

C. Conduction D. Reflection

Q.15 Which mode of heat transfer does not require a material medium?

A. Conduction B. Convection

C. Radiation D. Evaporation

Q.16 Which of the following is a good conductor of heat?

A. Wood B. Plastic

C. Copper D. Rubber

Q.17 Land breeze usually occurs during:

A. Daytime B. Nighttime

C. Afternoon only D. Morning only

Q.18 The splitting of white light into its constituent colours is called:

A. Reflection B. Refraction

C. Dispersion D. Absorption

Q.19 Which optical instrument is commonly used to produce the dispersion of white light?

A. Plane mirror B. Prism

C. Magnifying glass D. Periscope

Q.20 Sound is produced by:

A. Reflection B. Vibrations

C. Dispersion D. Radiation