

**Model Paper for Entry Test of Cadet Colleges/BRCs for Admission in
Class 7th**

Total Marks: 100

Time allowed: 03 hours

نوٹ: objective حصہ کے سوالات کے درست جوابات کے لیے OMR شیٹ پر دیے گئے دائروں کو بھریں جبکہ Subjective حصہ کے سوالات کے جوابات اسی کتابچہ میں لکھیں۔

Objective Portion (MCQs) (40 Marks)

Time allowed : One Hour

- 1) **What does the word "migration" mean in the context of the text?**
 - a) Staying in one place
 - b) Moving from one place to another
 - c) Building a house
 - d) Planting trees
- 2) **A reflexive pronoun:**
 - a) Shows ownership
 - b) Refers back to the subject
 - c) Points out a noun
 - d) Asks a question
- 3) **The present continuous tense is used for:**
 - a) Past actions
 - b) Actions happening now
 - c) Future actions
 - d) Completed actions
- 4) **Disaster management involves:**
 - a) Only responding to disasters
 - b) Preparing for and responding to disasters
 - c) Ignoring disasters
 - d) Creating disasters
- 5) **Why did the woman decide to add poison to the chapatti?**
 - a) She was happy
 - b) She was irritated
 - c) She was grateful
 - d) She was confused
- 6) **A simple sentence consists of:**
 - a) Two independent clauses
 - b) One independent clause
 - c) One dependent clause
 - d) No clause
- 7) **What changes did the paper notice as it grew old?**
 - a) It became thicker
 - b) It stayed the same
 - c) It turned yellow and got creases
 - d) It turned into a tree again

8) **How does the squirrel describe the mountain?**

- a) Very small b) Doubtlessly big
c) Insignificant d) Unimportant

9) **Opinions are:**

- a) Proven truths b) Personal beliefs or judgments
c) Facts d) Evidence

10) **How does artificial intelligence learn?**

- a) By memorizing facts b) By using data to find patterns
c) By guessing answers d) By following strict rules

11) The basic unit of structure and function of living things is:			
a) Tissue	b) Cell	c) Organ	d) Organ system
12) Which of the following is NOT present in an animal cell?			
a) Cytoplasm	b) Nucleus	c) Cell wall	d) Vacuole
13) The process by which living things produce offsprings is called:			
a) Growth	b) Respiration	c) Photosynthesis	d) Reproduction
14) The primary source of energy for human body is:			
a) Vitamins	b) Proteins	c) Carbohydrates	d) Minerals
15) Digestion means the breaking down of food into:			
a) Large insoluble molecules	b) Large soluble molecules	c) Smaller insoluble molecules	d) Smaller soluble molecules
16) According to particle theory of matter, the particles are in continuous state of:			
a) Motion	b) Motionless	c) Repulsion	d) Condensation
17) The smallest particle of matter is called:			
a) Atom	b) Molecule	c) Compound	d) Element
18) The physical combination of two or more substances is called:			
a) Atom	b) Molecule	c) Compound	d) Mixture
19) The unit used for the measurement of energy is:			
a) Liter	b) Milliliter	c) Joule	d) Decibel
20) Electrons have:			
a) Positive charge	b) Negative charge	c) Both +ve and -ve charge	d) No charge
21)	شامل نصاب نعت کے شاعر ہیں:		
A) جمیل الدین علی	B) اکبر الہ آبادی	C) احسان دانش	D) اسماعیل میرٹھی

22)	اسلام کے نزدیک حب الوطنی کا جذبہ ہے:		
A) قومی	B) سیاسی	C) اخلاقی	D) انسانی
23)	علامہ محمد اقبال کا آبائی وطن تھا:		
A) سیال کوٹ	B) کوئٹہ	C) کشمیر	D) لاہور
24)	سوار محمد حسین نے کس جنگ میں شہادت حاصل کی؟		
A) ان میں سے کوئی بھی نہیں	B) 1971ء	C) 1947ء	D) 1965ء
25)	ڈاکٹر روتھ فاؤ علاج کرتی تھیں:		
A) پولیو کا	B) ٹی بی کا	C) جزام کا	D) کینسر کا
26)	حیات سعدی تخلیق ہے:		
A) غالب کی	B) الطاف حسین حالی کی	C) سرسید کی	D) شیخ سعدی کی
27)	پاکستان کا تصور پیش کیا:		
A) علامہ اقبال نے	B) فاطمہ جناح نے	C) قائد اعظم نے	D) سر سید احمد خان نے
28)	پاکستان کا قومی ترانہ لکھا ہے:		
A) جمیل الدین علی	B) الطاف حسین حالی	C) محمد حسین آزاد	D) حفیظ جالندھری
29)	لفظ خوشی کا متضاد کیا ہے؟		
A) شادمانی	B) غم	C) خوشی	D) مسرت
30)	لفظ بہادر کا ہم معنی لفظ کون سا ہے؟		
A) خاموش	B) بزدل	C) دلیر	D) کم زور

- 31) The L.C.M of 36 and 78 is:
a) 6
b) 586
c) 468
d) 36
- 32) The Ascending order of 13, -5, 3, 10, 8 is:
a) -5, 3, 8, 10, 13
b) 3, -5, 8, 10, 13
c) 13, 10, 8, 3, -5
d) 13, 10, 8, -5, 3
- 33) If +5, and +6 are any two integers, the Commutative law w.r.t multiplication is defined as:
a) $(+5) - (+6) = (+6) \times (+5)$
b) $(+5) \times (+6) = (+6) \times (+5)$
c) $(-5) \times (-6) = (5) + (6)$
d) $(+5) + (+6) = (+6) + (+5)$
- 34) A class consists of 48 students. If 75% of students are boys. Calculate the number of girls.
a) 12
b) 36
c) 10
d) 30
- 35) The addition of $-5x + 15y$ and $9x - 11y$ is:
a) $14x - 4y$
b) $-4x + 3y$
c) $4x + 21y$
d) $4x + 4y$
- 36) Find the value of x , if $5x - 5 = 3x + 1$.
a) 3
b) 2
c) $\frac{4}{3}$
d) 5
- 37) The adjacent sides of a parallelogram are 10cm and 6cm. Find its perimeter.
a) 32cm
b) 23cm
c) 60cm
d) 50cm

38) The order of a circle is:

- a) 0
- b) 1
- c) finite
- d) infinite

39) Find the mean of 5, 7, 9, 8, 10.

- a) 7
- b) 10
- c) 7.8
- d) 5.5

40) When a coin is tossed 2 times. Then possible outcomes are:

- a) 2
- b) 8
- c) 4
- d) 16

Subjective Portion (MCQs) (60 Marks)

Time allowed : Two Hours

English Portion

Short Answer Questions

Answer the following Questions. (Any five) (2 x 5 = 10 Marks)

- 1) What is an inclusive society?
- 2) Why did William's mother encourage him to read books?
- 3) How does the poet describe nature in the poem "Written in March" ?
- 4) How does the poetess suggest one should respond to injustice according to the poem "Going Forward"?
- 5) How does the mountain describe the squirrel?
- 6) Why did the shopkeeper send his son to learn about the secret of happiness?

Long Answer Questions

Answer the following Question: (Any One) (05 Marks)

1. Write the main idea of the poem "Written in March." How does the poet use imagery to describe the arrival of spring?

OR

- 2) Describe the journey of a piece of paper from a tree to a book.

General Science Portion

SECTION B: Short Answer Questions

Q. 2: Define cell. Who introduced the term cell?

OR

(03 Marks)

Define balanced diet.

Q. 3. What is the function of mitochondria? Why is it called powerhouse of the cell? (03)

OR

(03 Marks)

Why do gases and liquids take the shape of their container but solids do not?

SECTION C: Descriptive Answer Questions

Q. 4. Compare and contrast between plant and animal cell on the basis of cell organelles.

OR

(04 Marks)

Describe the process of filtration with diagram.

Q. 5. Describe the structure of a flower.

OR (05 Marks)

Describe the process of making a solar oven.

Urdu Portion

(حصہ دوم: مختصر سوالات)

نوٹ: درج ذیل 7 سوالات میں سے 5 سوالات کے جواب دیں، ہر سوال 2 نمبر کا ہے۔ اس حصے کے کل نمبر :- (2x5=10)

مندرجہ ذیل کے مختصر جوابات لکھیں:

سوال نمبر 1: "ایک مکڑا اور مکھی" نظم کے شاعر کون ہیں؟

سوال نمبر 2: مکالمہ کی تعریف لکھیں اور مکالمے میں کس بات کا خیال رکھا جاتا ہے؟

سوال نمبر 3: طنز و مزاح کا کیا کام ہوتا ہے؟

سوال نمبر 4: سابقہ و لاحقہ کسے کہتے ہیں؟ نیز سابقہ و لاحقہ کی دو دو مثالیں بھی دیں۔

سوال نمبر 5: ڈاکٹر روتھ فاؤ پاکستان کب، کیوں اور کیسے آئیں؟

سوال نمبر 6: عجائب گھر کسے کہتے ہیں؟

سوال نمبر 7: ہمیں کس کی بنگی کرنی چاہیے اور کیوں؟

(حصہ سوم: طویل و تفصیلی سوالات)

کل نمبر :- (5x1=5)

نوٹ: مندرجہ ذیل میں سے کوئی ایک سوال حل کریں۔

سوال نمبر 1: (الف) بجلی کی ضرورت و اہمیت پر مضمون لکھیں۔

یا

(ب) دیانت داری کے موضوع پر کہانی لکھیں، اور نتیجہ بھی اخذ کریں۔

Mathematics Portion

Q.No.1: Find HCF of 225 and 375.

OR (03 Marks)

Simplify.

$$60 + \{45 + (-88 \times (56 \div 7))\}$$

Q.No.2: A car covers a distance of 720 km by consuming 40 litres of petrol. How much petrol will the car consume to cover a distance of 180 km?

OR (03 Marks)

Subtract $13xy + 2yz + 4zx$ from $3xy - 6yz - 4zx$

Q.No.3: A park in the shape of a trapezium has parallel sides of 16m and 8m, and the distance between them is 4m. Find the area of park.

OR (04 Marks)

Three coins are thrown at the same time, find the probability of getting same faces.

Q.No.4: Sadia is 4 years older than Zainab and Hania is 2 years younger than Zainab. If sum of their ages is 44, find their respective ages.

OR (05 Marks)

A cuboid box has length 8m, width 6m and height 5m. Find total area and volume of the box.

The End