



# Awasiya Rajkamal Concept School

Veer Kunwar Singh Colony, Mahisouri, Jamui (Bihar-811307)

Ph. No.:-7762090008

## Class VI & VII

### Syllabus for Entrance Test

#### Math

Number System, Addition, Subtraction, Multiplication, Division, Ascending and Descending order, LCM & HCF, Roman Number, Fraction, Decimal, Integers, Simplification, Algebra, Linear Equation in one Variable, Ratio, Unitary Method, Percentage, Profit & Loss, Average, Simple Interest, Menstruation

#### English

Noun, Pronoun, Verb, Adjective, Number, Gender, Person, Preposition, Conjunction, Article, Tense, Voice, Narration, Comprehension, Essay, Translation, Sentence Arrangement, Antonyms, Synonyms, Idioms & Phrases, Conjunction and prepositions

#### General Knowledge

- State and Union Territories, Our Country India (Important Facts), Countries, Capitals and Currencies, Important Books & Their Authors, Classical Dances of India, Rivers & Lakes in India, National Parks & Wild Life Sanctuaries in India, Important Indian Personalities, Inventions & Inventors, The United Nation, Our Solar System & Their Planets, Our Earth Parallels & Meridians, Motion of the Earth, Introduction of Bihar. Major Landform (about mountains, plateaus, plains, deserts, and rivers), Natural Resources (Types of natural resources and their conservation), Weather and climate (about weather, climates and climatic or heat zones), Towards freedom (about revolt of 1857), India wins Freedom (how and when India became free), Environmental pollution (Cover air, water soil (land) and noise pollution), Natural Disasters (Earthquake, Volcano, floods, droughts and cyclone).

#### Science

1. **What the body is made of** (Topics:- cells, tissues, organs, organ systems microorganisms)
2. **Transport and excretion** (Topics:- Heart & Blood vessels Blood, Kidneys)
3. **Bones & Muscles** (Topics Skeletal system, Muscular system)
4. **Brain & Senses** (Topics:- The brain, The spinal cord The sense organs.)
5. **Diseases** (Topics- Communicable & Non- communicable or deficiency diseases)
6. **Food habits of organisms** (Topics:- Producers, Herbivores, Carnivores Insectivores, Omnivores, Parasites, Saprophytes)
7. **Adaptations** (Topics:- Aquatic plant & Animals Desert Plant & Animals, Migration Birds)
8. **Natural resources** (Topics :- Forests and grasslands, wildlife Rocks, Metals & Non metals, soil Fuels, Air, water. Recycling, pollution)
9. **Producing & storing food** (Topics:- Ploughing, fertilizers, Sowing seeds, Irrigation, protecting crops, Harvesting, Storing)
10. **Matter** (Topics:- Atoms, Elements, compounds states of matter)
11. **Chemicals around the house** (Topics:- Acids, Bases, Salts)
12. **Synthetic materials** (Topics; Plastics synthetic fibers)
13. **Simple machines** (Topics:- Lever, pullings, Inclined planes screw, wheel & axle)
14. **Sound** (Topics:- Production & Direction of sound musical instruments)
15. **How things work** (Topics:- Electricity, Heat & Light)

#### हिन्दी

वर्ण, संज्ञा, सर्वनाम, विशेषण, भाषा, लिपि, लिंग, वचन, कारक, क्रिया, गद्यांश, मुहावरे, एक शब्द के बदले अनेक शब्द, विलोम शब्द, पर्यायवाची शब्द, संधि एवं समास, शुद्ध-अशुद्ध शब्द, उपसर्ग एवं प्रत्यय



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## Modal Paper VI & VII

### Math

- How many pieces of length  $1\frac{2}{4}$  m each cloth cut from a cloth 84 m long?
  - 36
  - 42
  - 48
  - None
- The sum of two integers is 65. If one of them is  $-47$ . Find the other number.
  - $-112$
  - $-18$
  - 18
  - None
- The numbers 20, 25, 28 and 40 are in proportions:-
  - 56
  - 32
  - 28
  - None
- The perimeter of a square is 48 cm. Find the area of a square
  - $156\text{cm}^2$
  - $144\text{cm}^2$
  - $121\text{cm}^2$
  - None
- The perimeter of a rectangle is 20m. Find the area of a rectangle.
  - $18\text{m}^2$
  - $20\text{m}^2$
  - $24\text{m}^2$
  - None
- Find the area of a circle whose diameter is 14 cm.
  - $154\text{m}^2$
  - $145\text{m}^2$
  - $132\text{m}^2$
  - None
- The L.C.M of two numbers is 26 and the H.C.F of two numbers is 52. If one of them is 4. Find the other number.
  - 438
  - 338
  - 238
  - None
- $999.99 + 99.99 + 9.99 = ?$ 
  - 1019.89
  - 1099.99
  - 1108.88
  - None
- What is 28% of 36% of  $\frac{5}{7}$  of 4900?
  - 521
  - 628
  - 2260
  - None
- The sum of two numbers is 1265. One of them is 846. Find other number
  - 1129
  - 1032
  - 1849
  - None
- 30% apples out of 450 are rotten. How many apples are in good condition?
- Find the ratio of 1625 ml to 3 liters.
- Add the following algebraic expression.
  - $13xy + 162zx + 132xy + 46zx$
  - $28xy + 96zy + 16xy + 32zy$
- If the length of a rectangle is 16 m and the breadth is 12m. Find the area of a rectangle and also perimeter its.
- A sum of Rs 6400 is divided among three children in the ratio  $\frac{3}{5} : 2 : \frac{5}{3}$ . Find the share of each child.
- If the selling price of 12 books is Rs 1200 and the cost price of 10 books is Rs 1200. Find the gain % or loss% .
- If 16 men can do a piece of work in 6 days. In how many days can do finish the work by 12 men.
- Find the greatest number of five digits which is a perfect square
- Rs 7200 is divided among three persons A, B & C in the ratio of 4L:5:3. Find the share of each persons.
- Simplify:-  $36 - [18 - \{14 - (15 - 42 \times 2)\}]$

### Science

- A. Multiple choice questions:- ( $1 \times 5 = 5$ )
- The body of every living being is made up of
    - Cell
    - Tissue
    - Organs
    - Organ system
  - Light always travel in
    - Straight line
    - Curve line
    - Both
    - None
  - Which of the following is the part of circulatory system
    - Heart
    - Lungs
    - Kidney
    - All
  - Number of bones in Adult human
    - 200
    - 205
    - 206
    - 210
  - Night blindness is caused by the deficiency of vitamin
    - A
    - B
    - C
    - D
- B. Fill in the blanks:- ( $1 \times 5 = 5$ )
- Light is a form of ..... (Energy/matter).
  - Flu is a ..... Disease (communicable / Non communicable).
  - ..... is called the ship of desert. (Snake/ Camel).
  - Machines make our work. (Hard/ Easy)
  - We breathe through ..... (lungs/ Heart)
- C. Match the following :- ( $1 \times 5 = 5$ )

A

B

### Solve All Questions



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1. Insectivorous plant
2. Anemia
3. Brain
4. Simple Machine
5. Synthetic fiber

- a) Thinking
- b) Nylon
- c) Lever
- d) Pitcher plant
- e) Iron deficiency

iv. **Who writes poem?**

- a) Author
- b) Poet
- c) Student
- d) None of these

v. **Huge is a word.**

- a) Noun
- b) Adjective
- c) Pronoun
- d) None of these

vi. **The synonyms word of 'Terrible' is**

- a) Fearful
- b) Huge
- c) Very danger
- d) None of these

vii. **An adjective qualifies**

- a) Noun and verb
- b) Pronoun and verb
- c) Adjective and verb
- d) Noun and pronoun

viii. **The spelling of which word is wrong?**

- a) Beyond
- b) Worse
- c) Kitchen
- d) Regular

ix. **The opposite word of Encourage is**

- a) Courage
- b) Discourage
- c) Recourage
- d) None of these

x. **The correct word of a.....r.....n.....e is**

- a) aerange
- b) arrange
- c) arrange
- d) None of these

**Q.3. Fill in the blanks with suitable preposition**

- i. I bought this pen ..... Rs 10. (in/for)
- ii. He returned Jamui ..... Patna. (to/from)
- iii. What is the time ..... your watch? (in/by)
- iv. Care ..... your health. (to/of)
- v. We work ..... our hands. (with/from)

**Q.4. Fill in the blanks with suitable word given in the box.**

Honest, should, green, capital, bought, lives

D. Very short answer questions:- (2× 5 = 10)

1. Name the five sense organs.
2. Name two types of tissue.
3. Name two diseases spread by mosquitoes.
4. What is matter?
5. Name two musical instruments.

E. Short answer questions:- (3× 5 = 15)

1. Write the three functions of skeletal system.
2. What are voluntary muscles?
3. Write the functions of brain?
4. What is sound? How is it produced?

F. Long answer questions:- (5× 2 = 10)

1. Write the importance of water in our life.
2. Write a note on pollution.

## English

India is a land of Festivals . People celebrate many festival here . Diwali, Eid-ul-Fitr and Christmas are some of the important Festivals.

Diwali is a festival of lights on this occasion people clean and white wash their houses. They decorate their houses with diyas, Candles and colorful bulbs. Children wear new clothes and eat sweets.

**Read the above passage carefully and answer the questions given below:-**

- i. What do the people celebrate?
- ii. What type of festival is Diwali?
- iii. What do the children do on Diwali?
- iv. Who celebrate christmas?
- v. What do the people do on Diwali?

Section B (Grammar)

**Q.N.2 Tick (✓) the correct option**

- i. **The hen did all ..... Work.**
  - a) a
  - b) an
  - c) the
  - d) None of these
- ii. **An empty mind is**
  - a) good
  - b) worse
  - c) very good
  - d) None of these
- iii. **What should students do?**
  - a) Study regularly
  - b) Sit idle
  - c) Play all the time
  - d) None of these

- a) I ..... study regularly.
- b) Patna is the ..... Of Bihar.
- c) She is an ..... Lady.
- d) The cow eats ..... grass.
- e) My father ..... many things.
- f) My friend ..... In a village .

**Q.5. Write V<sub>2</sub> And V<sub>3</sub>**

	V <sub>2</sub>	V <sub>3</sub>
Bring	.....	.....
Catch	.....	.....



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Want  
Learn  
Swim  
Read

Mohan said to me, "I am not going to play with you today."

## Hindi

### Section(A)

#### Q.6. Change into Passive Voice

- Sita does not write a letter.
- I love you.
- Rakhi was buying three books.
- You had eaten two mangoes.
- They are playing cricket.

#### Q.7. Translate into English

- गाय घास खाती है।
- मेरा कुत्ता पालतू नहीं था।
- वेलोग बहुत तेज दौड़ रहे हैं।
- क्या वह बहुत उदास है?
- आज मैं एक फिल्म देखा।

### Section C

#### Q.8. Write a short essay on any one

- i) My class room    ii) My village    iii) My class Teacher  
or

Write a letter to your principal asking two days leave for your sister's marriage.

#### Q.9. Define with Examples

- |                            |                       |
|----------------------------|-----------------------|
| (i) Material Noun          | (ii) Personal Pronoun |
| (iii) Adjective of Quality | (iv) Masculine Gender |

#### Q.10. The feminine gender of 'Nephew'

- |              |           |
|--------------|-----------|
| (a) Sister   | (b) Aunt  |
| (c) Daughter | (d) Niece |

#### Q.11. Ramesh is senior ..... me in age.

- |          |          |
|----------|----------|
| (a) Than | (b) To   |
| (c) By   | (d) from |

#### Q.12. The life history of a man written by some one say is called :

- |               |                   |
|---------------|-------------------|
| (a) Biography | (b) Autobiography |
| (c) Memory    | (d) Record        |

#### Q.13. Antonym of the word 'Advantage' is :

- |                      |                  |
|----------------------|------------------|
| (a) Un advantage     | (b) disadvantage |
| (c) (a) and (b) both | (d) N.O.T        |

#### Q.14. Find out the misspelt word :

- |              |             |
|--------------|-------------|
| (a) Deceive  | (b) Receive |
| (c) Conceive | (d) Achieve |

#### Q.15. Change into Indirect Narration

#### 1. निम्नलिखित वाक्यों में से सम्बन्धकारक वाले वाक्य को पहचानिए।

- राम खाना खाता है।
- राधा का कुत्ता बहुत तेज दौड़ता है।
- राम ने रावण को मारा
- माँ अपने बच्चे को मारती है।

#### 2. निम्नलिखित में से कौन – सा जोड़ा सही नहीं है?

- |                    |                   |
|--------------------|-------------------|
| a) बेटी-बेटियाँ    | b) डिबिया-डिबियें |
| c) श्रोता-श्रोतागण | d) वधु-वधुएँ      |

#### 3. 'कहाँ राजा भोज, कहाँ गंगू तेली' लोकोक्ति का अर्थ होगा

- विशिष्ट और सामान्य व्यक्ति की तुलना
- दोनों बराबर होना
- किसी तरह की जिम्मेदारी न उठाना
- गुण

#### 4. वाच्य के कितने प्रकार हैं?

- |        |                    |
|--------|--------------------|
| a) तीन | b) चार             |
| c) एक  | d) कोई प्रकार नहीं |

#### 5. मेरा खाना खाने का मन नहीं करती है। आरुद्र आं स्पष्ट कीजिए।

- |            |                     |
|------------|---------------------|
| a) मेरा    | b) खाना             |
| c) खाने का | d) मन नहीं करती है। |

#### 6. 'महौषध' शब्द का सन्धि- विच्छेद कीजिए।

- |             |             |
|-------------|-------------|
| a) महा+औषध  | b) महा+औषधि |
| c) महा+औषधी | d) मह+औषधी  |

#### 7. 'पराजय' में उपसर्ग है

- |        |       |
|--------|-------|
| a) प   | b) पर |
| c) परा | d) जय |

#### 8. 'शीत' का विलोम होगा।

- |          |         |
|----------|---------|
| a) ठण्ड  | b) गीत  |
| c) कृष्ण | d) उष्ण |

#### 9. 'मैंने घर जाना था।' वाक्य में अशुद्ध अंश है।

- |          |       |
|----------|-------|
| a) मैंने | b) घर |
| c) जाना  | d) था |

#### 10. 'देशभक्ति' में समास है

- |             |              |
|-------------|--------------|
| a) द्वन्द्व | b) द्विगु    |
| c) तत्पुरुष | d) अव्ययीभाव |

#### 11. 'पुस्तक पढ़ी जाती है।' में कौन-सा वाच्य है।

- |               |              |
|---------------|--------------|
| a) कर्तृवाच्य | b) कर्मवाच्य |
| c) भाववाच्य   | d) कियावाच्य |

#### 12. हिन्दी में पूर्ण विराम का चिन्ह है

- |      |      |
|------|------|
| a) ! | b) . |
|------|------|



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- c)। d)?  
13. 'दूध का धुला होना' मुहावरे का अर्थ है  
a) निर्दोष होना b) दोषी होना  
c) विस्मय d) उत्साह

14. वीर रस का स्थायीभाव है

- a) क्रोध b) भय  
c) विस्मय d) उत्साह

15. निम्नलिखित में कौन -सा शब्दालंकार है?

- a) उपमा b) रूपक  
c) उत्प्रेक्षा d) यमक

16. निम्न में से तालव्य ध्वनि है

- a) ट b) प  
c) श d) क

17. निम्न में से कौन -सा शब्द स्त्रीलिंग है?

- a) उपहार b) ग्रन्थ  
c) मस्तक d) रचना

18. निम्नलिखित में विशेषण है

- a) लम्बाई b) बुढ़ापा  
c) समझ d) शान्त

19. निम्नलिखित में तद्भव शब्द है

- a) अचरज b) अन्धकार  
c) अंगरक्षक d) आशा

20. 'गोदान' किसका उपन्यास है?

- a) यशपाल b) प्रेमचन्द  
c) भीष्म साहनी d) अमरकान्त

21. 'अनिल-अनल' का सही अर्थ देने वाला शब्द युग्म है

- a) वायु-अग्नि b) अग्नि-वायु  
c) हवा-पानी d) आग-पानी

22. 'लिखावट' में प्रत्यय है

- a) अट b) वट  
c) अवट d) आवट

23. महोत्सव का सन्धि-विच्छेद है

- a) महो+उत्सव b) महा+उत्सव  
c) महि+उत्सव d) म+उत्सव

24. निम्नलिखित में से अव्यय है

- a) प्राचीन b) मोटा  
c) गरीब d) और

25. 'जिसकी लाठी उसकी भैंस' लोकोक्ति का सही अर्थ है

- a) शक्तिशाली आदमी मूर्ख होता है  
b) शक्ति सम्पन्न आदमी अपना काम बना लेता है  
c) बुद्धि सम्पन्न आदमी अपना काम बना लेता है  
d) बुद्धि सम्पन्न आदमी चालाक होता है

26. 'पर्वत' शब्द में संज्ञा है

- a) जातिवाचक b) व्यक्तिवाचक  
c) भाववाचक d) द्रव्यवाचक

27. निम्न में से कौन-सा वर्ण अघोष है?

- a) क b) ग  
c) घ d) ज

## Section(B)

1. वर्ण-विच्छेद करें-(1×5 = 5)

- क) विग्रह-  
ख) अव्ययीभाव  
ग) कर्मधारय-  
घ) मतदाता-  
ङ) हस्तलिखित

2. संधि -विच्छेद करें- (1×5 = 5)

- क) नमस्ते-  
ख) महेश-  
ग) नियमानुसार-  
घ) यथार्थ-  
ङ) नदीश-

3. समास विग्रह करें-(2×5 = 10)

- क) चंद्रमुख-  
ख) तिरंगा-  
ग) चतुर्भुज-  
घ) प्रतिदिन-  
ङ) रसोईघर-

4. निम्नलिखित प्रश्नों के उत्तर लिखिए- 3×5 = 15

- क) तत्पुरुष समास किसे कहते हैं? उदाहरण सहित स्पष्ट करें।  
ख) द्विगु समास किसे कहते हैं? उदाहरण सहित स्पष्ट करें।  
ग) समास किसे कहते हैं उदाहरण सहित स्पष्ट करें।  
घ) कारक किसे कहते हैं? और इनके कितने भेद होते हैं?  
ङ) कर्मधारय समास किसे कहते हैं? उदाहरण स्पष्ट करें।

## SST

### Section(A)

1. Which is the largest hot desert in India?

- a) Sahara b) Thar  
c) Gobi d) None of these

2. Which is the longest river of India?

- a) Nile b) Ganga  
c) Yamuna d) None of these

3. Which is not the neighboring state of Bihar?

- a) Jharkhand b) UP  
c) West Bengal d) Odisha

4. Which is the smallest district of Bihar according to area?

- a) Sheikhpura b) West Champaran  
c) Shivahar d) Patna

5. How many states and UTs in India?

- a) 28, 9 b) 29, 7





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1. The largest Fresh water lake in India.....
2. The longest Sea Beach in India.....
3. The largest Gurudwara in India.....
4. The highest waterfall in India.....
5. The largest mosque in India.....

B. Superlative in the world:- (5 × 1 = 5)

1. Smallest continent .....
2. Largest salt water lake .....
3. Farthest planet from the sun .....
4. Largest country in area.....
5. Highest plateau.....

C. Write the national emblems of the following countries.

(5 × 1 = 5)

Countries	Emblems
1. Bangladesh	.....
2. Iran	.....
3. Australia	.....
4. Spain	.....
5. Germany	.....

D. Write the National animals of the following countries.

(5 × 1 = 5)

Countries	Animals
1. Australia	.....
2. India	.....
3. Bhutan	.....
4. Thailand	.....
5. USA	.....

