



# Parvati Prema Jagati SARASWATI VIHAR

Sr. Sec. School, Durgapur P O Bisht Estate via Jeolikot, Nainital

## ENTRANCE EXAMINATION

### SAMPLE PAPER FOR ADMISSION IN CLASS – 9<sup>TH</sup>

SECTION : A		SECTION : B		SECTION : C	TOTAL TIME
HINDI	ENGLISH	MATH	SCIENCE	REASONING	2HRS  (10:00 AM)  To  (12:00 PM)
MAX	MAX	MAX	MAX	MAX	
20	20	30	20	10	

## SECTION:A

### हिन्दी

प्र01:-रिक्त स्थान की पूर्ति कोष्ठक में दिए-गए शब्दों की सहायता से कीजिए। 02

क- हिन्दी वर्ण माला में स्पर्श व्यंजन.....वर्ण है। ( 25, 20, 32, 08) उ0.....

ख- हिन्दी वर्ण माला में कुल दीर्घ स्वर .....हैं। ( 04, 07, 09, 11) उ0.....

प्र02:-दिए गए शब्दों का शुद्ध रूप लिखिए। 02

शुद्ध

क- आर्शिवाद उ0.....

ख- कवियत्री उ0.....

प्र03:- संधि कीजिए- एक +एक = उ0..... 01

प्र04:-संधि विच्छेद कीजिए 01

पुरुष+अर्थ = उ0.....

प्र05:-दिए गए शब्दों से उपसर्ग /प्रत्यय/मूल शब्द छँटिए। 02

उप + मूल शब्द + प्रत्यय = नया शब्द

क-प्रहार उ0 .....+.....+..... = प्रहार

ख-भारतीय उ0.....+.....+..... = भारतीय

प्र06:-दिए-गए समस्त पदों के सामने समास के सही नाम पर सही का निशान लगाइये। 02

क -महादेव- बहुव्रीहि ☐ तत्पुरुष ☐ द्वन्द्व ☐ इनमें से नहीं ☐

ख- यथाशक्ति- बहुव्रीहि ☐ अव्ययी भाव ☐ द्विगु ☐ इनमें से नहीं ☐

प्र07:-अपने बड़े भाई के शुभ विवाह में सम्मिलित होने के लिए मित्र को आमंत्रण पत्र लिखिए। 04

अथवा

अपनी प्रथम वायुयान यात्रा के आनंद का वर्णन करते हुए अपने मित्र को पत्र लिखिए।

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प्र08:- दिए गए संकेत बिन्दुओं के आधार पर निम्नलिखित में से किसी एक विषय 100 से 120 शब्दों में अपने विचार लिखिए।

3

क- परमाणु शक्ति सम्पन्न भारत

परमाणु शक्ति का अविष्कार , भारत का परमाणु शक्ति सम्पन्न बनना , विश्व की प्रतिक्रियाएं, उपसंहार

ख- सूचना कांति-

सूचना के प्राचीन साधन, आधुनिक युग सूचना प्रौद्योगिकी का युग, कम्प्यूटर व इंटरनेट का विकास



## ENGLISH

**Q.1:- Read the following passage carefully and answer the following questions given below.**

UlhasMandlik, 35, a power-loom owner from Ichalkaranji, Maharashtra, and his mother were homeward-bound one evening when heavy rain forced them to take shelter beneath a bridge. Not far away, a small group of laborers huddled together under a part of the cement housing above a 16 metre deep well used to pump water for irrigation.

Suddenly, Mandlik and his mother heard the laborers scream. When the two got to the well, they were told that a five year old boy named Hariya had fallen in through a side opening in the structure. Ignoring his mother's fears, Mandlik quickly knotted together lengths of flimsy rope belonging to the laborers and asked them to lower him into the dark well. "I hope the rope holds," he thought. As he descended, Mandlik noticed the metal rungs on the wall of the well. He grabbed hold of one and started climbing down, when he saw the boy clinging to a pipe running up the well's centre. Grabbing the child, Mandlik started to climb praying that the old rungs wouldn't give away and plunge them both into the churning water below. Their luck held and within a few minutes, Mandlik clambered to ground level and handed over Hariya to his sobbing father.

The man fell at Mandlik's feet and offered him some money as a reward. Refusing the cash, Mandlik took Hariya and his family to a nearby eatery and offered them steaming tea to warm them up. Several organizations have honouredMandlik for his bravery and presence of mind on that wet day three years ago. "I am happy I was at the right place at the right time," he says," and was able to return a little boy to his family.

5x1=5

(tick the correct option)

**A: What first drew Ulhas and his mother to the well?**

- (i) shelter from the heavy rain. ( ) (ii) the return journey home. ( )  
(iii) news of a small boy's fall. ( ) (iv) the laborer's screams. ( )

**B: What were Ulhas' mother's fears really associated with?**

- (i) the rusted rungs inside the wall. ( ) (ii) the risk to the life of the rescuer. ( )  
(iii) the churning water inside ( ) (iv) doubts about the safety the well. of the boy. ( )

**C: Which of the following could be a learning from the report?**

- (i) it is best not to involve oneself ( )  
(ii) one should not take shelter even in situations involving others. beneath a bridge in the rain. ( )  
(iii) one cannot predict when an ( )  
(iv) metal rungs alongside the wall of accident may befall any person. a well may not always be useful.( )

**D: Which of these expressions best describes Ulhas in view of this incident?**

- (i) disregard for an elder's ( ) (ii) disbelief in one's own abilities. Warnings. ( )  
(iii) faith only in prayers for ( ) (iv) concern for others with no success.  
Expectations. ( )



E: Which of these did Hariya's father express on receiving his son?

- |                |         |              |         |
|----------------|---------|--------------|---------|
| (i) gratitude. | (     ) | (ii) relief. | (     ) |
| (iii) anxiety. | (     ) | (iv) peace.  | (     ) |

Q.2:- Choose the correct verb form from those in brackets:-

4x ½=2

- (a) I .....to market today. ( go, goes, went)
- (b) The train will.....platform. ( arrive, arrived, has arrived)
- (c) She is always.....(grumbled, grumbling)
- (d) Keshav started.....swimming at the age of 12. (learning, learnt)

Q.3:- Change the following into indirect form of narration. (Any four)

1x4=4

- (i) Rama said , " I shall come to tea tomorrow."

Ans.....

- (ii) He said . " How is your mother ?"

Ans.....

- (iii) " Do you like this book?" she said to him .

Ans.....

- (iv) " Can you tell me the secret?" he said to her.

Ans.....

- (v) He said, " Please tend me your book."

Ans.....

Q.4:- Cats and dogs means:- (choose the correct option).

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- |                                      |  |
|--------------------------------------|--|
| (a) To jump out of a problem (     ) | (b) Have a pet animal (     )                              |
| (c) rain heavily (     )             | (d) Reveal something that was kept a secret Before.(     ) |

Q.5:- Put in a proper order.

½x4=2

- (a) killed/they are/beaten/ and/mercilessly.

Ans.....

- (b) their/heed/but/hears/and/pays/nobody/to/cries.

Ans.....

- (c) friends/auxiliaries/animals/necessary/are our/and/survival/for our

Ans.....

- (d) animal/matters/our vision/a world/should be/where/welfare

Ans.....

Q. 6:- Change into passive

3

(i) Who teaches you Sanskrit?

Ans.....

(ii) Do you invite me?

Ans.....

(iii) Please help me.

Ans.....

Q.7:- The synonym of the word 'Uproar' is:- Choose the correct option.

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(a) Complaint ( ) (b) Peace ( ) (c) Piece ( ) (d) Cake ( )

Q. 8 :- Fill up the blanks with correct adverb-

1×2=02

(i) I.....go to bed early .

(a) really ( ) (b) usually ( ) (c) daily ( ) (d) sometimes ( )

(ii) The office is cleaned.....

(a) Always ( ) (b) everyday ( ) (c) usually ( ) (d) daily ( )

## SECTION:B

Subject- Maths

( 10×1= 10 Marks)

Question 1-10 option type question.( tick the correct option)

1. The multiplicative Inverse of  $-1\frac{1}{7}$  is

- (a)  $\frac{8}{7}$  ( ) (b)  $-\frac{8}{7}$  ( )  
(c)  $\frac{7}{8}$  ( ) (d)  $-\frac{7}{8}$  ( )

2. The sum of three consecutive multiples of 11 is 363, Find these multiples.

- (a) 117, 121, 125 ( ) (b) 110, 121, 132 ( )  
(c) 110, 99, 154 ( ) (d) 154, 88, 121 ( )

3. The angle sum of all interior angles of a convex polygon of sides 7 is

- (a)  $180^\circ$  ( ) (b)  $540^\circ$  ( )  
(c)  $630^\circ$  ( ) (d)  $900^\circ$  ( )

4. Tally marks are used to find.

- (a) Class Intervals ( ) (b) Range ( )  
(c) Frequency ( ) (d) Class marks ( )

5. A glass jar contains 6 Red, 5 green, 4 blue and 5 yellow marbles of same size. Hari takes out a marble from the jar at random. What is the probability that the chosen marble is of red colour ?

- (a)  $\frac{7}{8}$  ( ) (b)  $\frac{3}{10}$  ( ) (c)  $\frac{4}{5}$  ( ) (d)  $\frac{2}{5}$  ( )



6. How many non square numbers lie between  $11^2$  and  $12^2$ .

- |        |   |   |        |   |   |
|--------|---|---|--------|---|---|
| (a) 21 | ( | ) | (b) 23 | ( | ) |
| (c) 22 | ( | ) | (d) 20 | ( | ) |

7. How many cuboids of dimensions 15cm, 30cm, 15cm will be needed to form a cube?

- |        |   |   |       |   |   |
|--------|---|---|-------|---|---|
| (a) 15 | ( | ) | (b) 4 | ( | ) |
| (c) 30 | ( | ) | (d) 5 | ( | ) |

8. If the simple interest on a sum of money at 5% per annum for 3 years is Rs. 1200, then compound interest on the same sum for the same period at the same rate will be .

- |              |   |   |              |   |   |
|--------------|---|---|--------------|---|---|
| (a) Rs. 1225 | ( | ) | (b) Rs. 1236 | ( | ) |
| (c) Rs. 1248 | ( | ) | (d) Rs. 1261 | ( | ) |

9. If  $(x - \frac{1}{x}) = 5$ , then the value of  $(x^4 + \frac{1}{x^4})$  is-

- |         |   |   |                    |   |   |
|---------|---|---|--------------------|---|---|
| (a) 725 | ( | ) | (b) 727            | ( | ) |
| (c) 729 | ( | ) | (d) None of these. | ( | ) |

10. Two dice are placed side by side with 5+6, what is the total on the face opposite to the given numbers.

- |        |   |   |       |   |   |
|--------|---|---|-------|---|---|
| (a) 3  | ( | ) | (b) 7 | ( | ) |
| (c) 11 | ( | ) | (d) 6 | ( | ) |

( 4×2=8 marks)

11. The area of trapezium is  $1080 \text{ cm}^2$ . If the lengths of its parallel sides are 55.6 cm and 34.4cm. find the distance between them.

Ans. ....

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12. If  $\left(\frac{5}{3}\right)^{-5} \times \left(\frac{5}{3}\right)^{11} = \left(\frac{5}{3}\right)^{8x}$ , then find the value of  $x$ .

Ans. ....

13. If 15 workers can build a wall in 48 hours. How many workers will be required to do the same work in 30 hours?

Ans. ....



14. Find the factor of  $5x^2 - 16x - 21$ .

Ans. ....

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( 4×3=12 marks )

15. Find the digits A and B.

$$\begin{array}{r} \text{B A} \\ \times \text{B 3} \\ \hline 57\text{A} \end{array}$$

Ans. ....

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16. 120 man have food provision for 200days. After 5 days, 30 men died due to an cancer. How long will the remaining food last.

Ans. ....

17. The diameter of a roller is 84cm, and its length is 120cm, It takes 500 complete revolutions to move once over to level a play ground. Find the area of the play ground in  $m^2$ .

Ans. ....

18. The difference between the compound interest and simple interest on a certain sum of money at  $6\frac{2}{3}\%$  per annum for 3 years is Rs. 46. Find the sum when the interest is compounded annually.

Ans. ....



## Subject- Science

### M.C.Q. Question:-

Choose the correct option.

1. The metal which do not corroded by air water & acid is

1×5=5

(i) capper ( )

(ii) Zine ( )

(iii) aluminium ( )

(iv) gold ( )

2. Which of the following is not a metal?

(i)Copper ( )

(ii) aluminium ( )

(iii) sulphur ( )

(iv) Iron ( )

3. The disease caused by protozoan & spread by an insect is ?

(i)Dengue ( )

(ii) polio ( )

(iii) malaria ( )

(iv) measles ( )

4. Which of the following is not a unicellular organism.

(i) WBC ( )

(ii) Paramecium ( )

(iii) Bacteria ( )

(iv) Amoeba ( )

5. A boy apply force on a rubber ball placed on table by pressing, The ball may change its

(i) Position ( )

(ii) shape ( )

(iii) size ( )

(iv) Direction. ( )

### Very Short Answer:-

1×5 = 05

6. Name a non metal, a salt of which is added to the common salt .

Ans. ....



7.Name the scientist who discovered the bacterium bacillus antbracis.

Ans. ....

8. Name a Branched body cell?

Ans. ....

9.Which substance is formed by the carbonization of dead vegetation?

Ans. ....

10.The ultrasonic equipment familiar to us for investigating & tracking many medical problems works at .....frequency.

Ans. ....

Short Answer type Question-

2×5=10

11. Can you store copper sulphate solution in a container made of iron? Explain & give word equation?

Ans. ....

12.What is atmosphere? Explain, why do we not, get crushed under the atmospheric pressure?

Ans. ....

13.Differentiate between the static &dyanamic friction.

Ans. ....



14. Which cell organ is known as suicide bag? Why it is called so?

Ans. ....

15. Why is the presence of cell wall necessary in plants?

Ans. ....

## SECTION:C

### Mental Ability (10 marks)

All question are option type question , tick the correct option.

1. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

- a) 20 ( )
- b) 22 ( )
- c) 23 ( )
- d) 26 ( )

2. Which word does NOT belong with the others?

- a) Branch ( )
- b) Dirt ( )
- c) Leaf ( )
- d) Root ( )

3. B2CD, \_\_\_\_\_, BCD4, B5CD, BC6D

- a) B2C2D ( )
- b) BC3D ( )
- c) B2C3D ( )
- d) BCD7 ( )

4. You will choose the word that is a necessary part of the underlined word. School

- a) Student ( )
- b) Report Card ( )
- c) Test ( )
- d) Learning ( )



5. Here are some words translated from an artificial language.

*gorblflur means fan belt*

*pixngorbl means ceiling fan*

*arthtusl means tile roof*

Which word could mean "ceiling tile"?

- a) Gorbltusl (       )
- b) Flurgorb (       )
- c) Arthflur (       )
- d) Pixnarth (       )

6. The attainment of individual and organisational goals is mutually interdependent and linked by a common denominator - employee work motivation. Organisational members are motivated to satisfy their personal goals, and they contribute their efforts to the attainment of organisational objectives as means of achieving these personal goals.

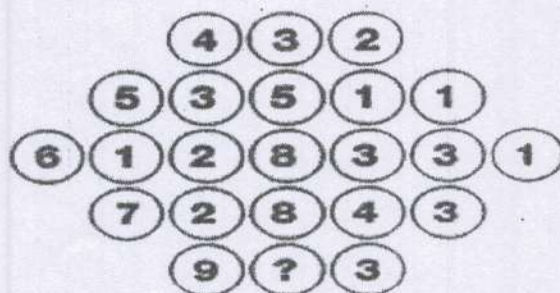
The passage best supports the statement that motivation-

- a) Encourages an individual to give priority to personal goals over organizational goals. (       )
- b) Is crucial for the survival of an individual and organization. (       )
- c) Is the product of an individual to contribute his efforts. (       )
- d) Is the external force which induces an individual to contribute his efforts. (       )
- e) Makes organisation and society inseparable. (       )

7. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

- a) 120 meters (       )
- b) 180 meters (       )
- c) 324 meters (       )
- d) 150 meters (       )

8. What number comes inside the circle?

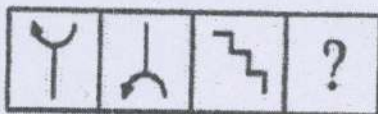


- a) 5 (       )
- b) 6 (       )
- c) 7 (       )
- d) 8 (       )



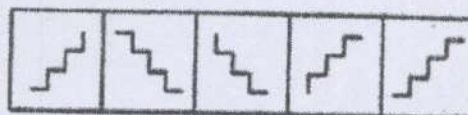
9. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



(A) (B) (C) (D)

Answer Figures:



(1) (2) (3) (4) (5)

- a) 1
- b) 2
- c) 3
- d) 4
- e) 5

10. Find the correctly spelt words.

- a) Ommineous
- b) Omineous
- c) Ominous
- d) Omenous

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**Rough work**