

सरस्वती वरिष्ठ माध्यमिक विद्या मन्दिर

देवरिया खास, देवरिया (अप्र०)

प्रवेश परीक्षा - 2025

कक्षा (Class) - नवम (IX)

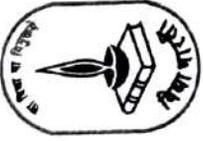
समय : 2:00 घण्टा

Time : 2:00 Hours

पूर्णांक : 100

Max Marks : 100

कोड नं० (Code No.)



मूल्यांकन विवरण

विषय Subject	पूर्णांक Max.Marks	प्राप्तांक Obtained	ह० परीक्षक Sign. of Examiner
गणित (Math)	35		
अंग्रेजी (English)	35		
विज्ञान (Science)	30		
योग (Total)	100		

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कक्षा (Class) - नवम (IX)

कार्यालय प्रयोग हेतु (Office Use Only)

कोड नं०
(Code No.)

अनुक्रमांक
(Roll No.)

परीक्षार्थी का नाम (Student's Name).....

पिता का नाम (Father's Name).....

छात्रावास चाहिए- हों / नहीं

(Required Hostel)- Yes / No

ह० निरीक्षक (Sign of invigilator).....

Subject - Maths (35 Marks)
(Section-A)

Note : Question number 1 to 4 carry 1 marks each question number 1 to 4 are multiple choice questions

1. The square of number 111 is
111 का वर्ग होगा
(a) 12321 (b) 10101 (c) 12345 (d) None of these
2. The cube of number 18 is
18 का घन है-
(a) 4913 (b) 5832 (c) 6859 (d) None of these
3. Standard form of 4050000 is
4050000 का मानक रूप है-
(a) 4.05×10^6 (b) 40.5×10^5
(c) 405×10^4 (d) None of these
4. if $100:125 = y:20$ then $y = ?$
यदि $100:125 = y : 20$ हो तो y का क्या होगा ?
(a) 18 (b) 16 (c) 25 (d) 10

(Section-B)

Note : Question number 5 to 9 carry 3 marks each.

5. Use a suitable Identity to get product
उचित सर्वसमिका का उपयोग कर गुणनफल प्राप्त करें।
 $(a^2 + b^2)(-a^2 + b^2)$

6. Arjun is twice as old as Shriya. Five years ago his age was three times Shriya's age. Find their present ages
अर्जुन की आयु श्रेया की आयु से दुगुनी है। 5 वर्ष पहले उसकी आयु श्रेया की आयु की तिगुनी थी। दोनों की वर्तमान आयु ज्ञात कीजिए। 3
7. Find the area of a circle whose radius is 7cm.-
वृत्त का क्षेत्रफल ज्ञात करें जिसकी त्रिज्या 7 सेमी. है। 3
8. Calculate the amount on Rs 12000 for 1 year and 6 months at 10% per annum compounded half yearly.
रूपये 12000 पर $1\frac{1}{2}$ वर्ष के लिए 10% अर्धवार्षिक रूप से कुल राशि ज्ञात कीजिए। 3

9. Factorise- (गुणखंड कीजिए)

$$3m^2 + 9m + 6$$

3

(Section-C)

Note Question number 10 to 13, carry 4 marks each

10. Find the square root of 12.25

12.25 का वर्गमूल ज्ञात करें।

4

11. Present ages of Anu and Raj are in the ration 4:5. Eight years from now the ratio of their ages will be 5:6. Find their present ages.

अनु तथा राज की वर्तमान आयु का अनुपात 4:5 है। 8 वर्ष बाद उनकी आयु का अनुपात 5:6 होगा। उनकी वर्तमान आयु ज्ञात कीजिए।

4

12. Find m so that,

4

m का मान ज्ञात करें यदि

$$(-3)^{m+1} \times (-3)^5 = (-3)^7$$

13. A TV was bought at a price of Rs 21000. After one year the value of the TV was depreciated by 5%. Find the value of the TV after one year.

4

एक टी.वी. 21000 रुपये में खरीदा गया। एक वर्ष पश्चात् टी.वी. के मूल्य में 5% अवमूल्यन हो गया। एक वर्ष पश्चात् टी.वी. का मूल्य ज्ञात कीजिए।

Subject - English (35 Marks)

1×5=5

1. Read the passage carefully and answer the questions given below.

Tea is an evergreen shrub. The word 'evergreen' means that old leaves remain on the shrub, while new ones come out. There is no drying or falling of leaves as in the case of other trees and plants. In a wild state the plant grows to an enormous height ranging from twenty five to thirty feet. But under cultivation it is not allowed to grow higher than four or five feet. The growth upward is checked by pruning while this operation serves to increase the growth of leaves below. The leaves of plant are one to two inches in length. Their colour is green and shape oval.

Note: Tick the correct option.

(i) Tea is a.....

- (a) Tree (b) Shrub (c) Vine (d) None of the above

(ii) In a wild state the plant grows to.....

- (a) A small height (b) Medium height
(c) enormous height (d) None of the above

(iii) Under cultivation it is not allowed to grow higher than.....

- (a) Two or three feet (b) Four or five feet
(c) Four feet (d) Five or six feet

(iv) The leaves of the plant are.....inches in length-

- (a) One to two (b) Two to three
(c) Three to four (d) Zero to one

(v) Select two words for the words 'egg shape' from the passage-

- (a) other trees (b) New ones

(c) Checked by (d) shape oval

3

2. Fill suitable form of the verbs in the following sentences that are given in the brackets-

(i) My brother.....to Delhi yesterday. (go)

(ii) My father seldom.....(wear) a coat.

(iii) Ramesh.....(leave) for Prayagraj tomorrow.

3

3. Change the following sentences as directed in the brackets.

(i) He swam across the river. (Present Indefinite)

(ii) Niti is writing a letter. (Past continuous)

(iii) Shreera has done it. (Past indefinite)

6

4. Change the following sentences in Passive Voice.

(i) A lion kills a deer.

(ii) The boy killed a rat.

(iii) The man had broken the vase.

(iv) Kindly help me.

6

5. Change the following sentences into Indirect Narration.

(i) Hari says, "Mohan is reading a book."

(ii) Mohan said, "Hari plays cricket in the evening."

(iii) He said to Mohan, "Are you writing a letter?"

IX (6)

.....
(iv) The teacher said to me, "Work hard to get good marks,?"
.....

6. Fill suitable articles in the following blanks-

3

(i) France is.....European country.

(ii) The earth moves round.....Sun.

(iii) Edition was.....intelligent boy.

7. Fill in the following blanks with suitable prepositions-

3

(i) The bamboo is useful.....many purposes. (for, to, of)

(ii) This young man is true.....his word. (with, about, to)

(iii) Pt. Nehru was born.....14th November, 1889. (in, since, on)

8. Write a paragraph of about 6 sentence on any one of the following topics-

6

(i) An Ideal teacher or (ii) Mahatma Gandhi

.....
.....
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.....

Subject - Science (30 Marks)

Note : All questions are compulsory. Each question carry 2 marks

1. Chemical formula of copper carbonate is-

कापर कार्बोनेट का रासायनिक सूत्र है-

(i) CaCO_3 (ii) CaO (iii) CuCO_3 (iv) CuO

2. Chicken pox is caused by-

(i) Bacteria (ii) Virus (iii) Protozoa (iv) Fungi

चिकेन पॉक्स किसके कारण होता है-

(अ) जीवणु (ब) विषाणु (स) प्रोटोजोआ (द) कवक

3. Who discovered the neutron?

(i) Rutherford's (ii) James Chadwick
(iii) Dalton (iv) Goldstein

न्यूट्रॉन की खोज किसने की?

(अ) रदरफोर्ड (ब) जेम्स चैडविक
(स) डाल्टन (द) गोल्डस्टीन

4. Which is known as black gold?

(i) Hydro carbon (b) Coal (c) Petroleum (d) Ether

काला सोना किसे कहते हैं?

(अ) हाइड्रो कार्बन (ब) कोयला (स) पेट्रोलियम (द) ईथर

5. How many images of a candle will be formed if it is placed between two parallel plane mirrors?

- (a) One (b) Two (c) Three (d) Infinity
- दो समान्तर समतल दर्पण के बीच रखे मोमबत्ती के कितने प्रतिबिम्ब बनेंगे।
- (अ) एक (ब) दो (स) तीन (द) अनन्त
6. Splitting of light its colours is known as-
- (i) Reflection (b) Image (c) Dispersion (d) Refraction
- प्रकाश के अपने रंगों में विभाजित होने को कहते हैं-
- (अ) परावर्तन (ब) प्रतिबिंब (स) विक्षेपण (द) अपवर्तन
7. When does national Science Day celebrate.
- (i) 18 March (ii) 28 April (iii) 28 February (iv) 28 June
- राष्ट्रीय विज्ञान दिवस कब मनाया जाता है?
- (अ) 18 मार्च (ब) 28 अप्रैल (स) 28 फरवरी (द) 28 जून
8. How many MBs are there in 1 GB?
- 1 जी.बी. में कितने एम.बी. होते हैं?
- (i) 1124 Mbs (ii) 924 MBs (iii) 1022 MBs (iv) 1024 MBs
9. Nagpur is famous for-
- (i) Mango (ii) Orange (iii) Apple (iv) Banana
- नागपुर किसके लिए प्रसिद्ध है?
- (अ) आम (ब) संतरा (स) सेब (द) केला
10. When is Earth day celebrated?
- (i) 22 April (ii) 22 June (iii) 22 March (iv) 22 May
- पृथ्वी दिवस कब मनाया जाता है?

(अ) 22 अप्रैल (ब) 22 जून (स) 22 मार्च (द) 22 मई

11. What are the major groups of micro organisms?

सूक्ष्म जीवों के मुख्य वर्ग कौन-कौन से हैं?

12. Give reason- Copper can not displace zinc from its salt solution.

कारण बताइये कि कापर जिंक को उसके लवण के विलयन से विस्थापित नहीं कर सकता।

13. The smallest unit of an element is known as-

तत्व की सूक्ष्म इकाई है-

14. Write the two uses of Bitumen.

बिटुमेन के दो उपयोग लिखिए।

15. Draw the ray diagram of regular and irregular reflection.

नियमित परावर्तन तथा अनियमित परावर्तन का किरण आरेख खींचिए।