

KENDRIYA VIDYALAYA RAMESWARAM
WINTER BREAK HOMEWORK FOR THE SESSION 2023-24

CLASS: IX

ENGLISH

1. Write the table of tenses in your homework note.
2. Make a learner's diary for the lessons completed till December 2023.
3. Write a diary entry about how you enjoyed the celebration of your birthday last week when several friends and relatives made the occasion lively and memorable. (150 words)
4. You feel concern about the wastage of food on the occasions of our marriages and other ceremonies. Write a letter to the editor of newspaper about it in 100-120 words.
5. Read and prepare all chapters of that you are taught. Do exercise of Grammar based on tense, reported speech. Revise all the chapters thoroughly.
6. Make a mind map for the following lessons: Last Leaf, My Childhood, A House is not a Home.

Note: All the written work must be written in your homework note.

SCIENCE

1. write important definition and word meaning from the chapter tissues and work and energy.
2. prepare a project file from the chapter natural resources.
3. write about 10 elements that are used in your daily life with example.

MATHEMATICS

1. CIRCLES

1. If arcs AXB and CYD of a circle are congruent, find the ratio of AB and CD.
2. If the perpendicular bisector of a chord AB of a circle PXAQBY intersects the circle at P and Q, prove that arc PXA \cong Arc PYB.
3. A, B and C are three points on a circle. Prove that the perpendicular bisectors of AB, BC and CA are concurrent.
4. AB and AC are two equal chords of a circle. Prove that the bisector of the angle BAC passes through the centre of the circle.
5. If a line segment joining mid-points of two chords of a circle passes through the centre of the circle, prove that the two chords are parallel.
6. ABCD is such a quadrilateral that A is the centre of the circle passing through B, C and D. Prove that

$$\angle CBD + \angle CDB = \frac{1}{2} \angle BAD$$

2.HERONS FORMULA

- 1 Find the cost of laying grass in a triangular field of sides 50 m, 65 m and 65 m at the rate of Rs 7 per m².
- 2 The triangular side walls of a flyover have been used for advertisements. The sides of the walls are 13 m, 14 m and 15 m. The advertisements yield an earning of Rs 2000 per m² a year. A company hired one of its walls for 6 months. How much rent did it pay?
- 3 From a point in the interior of an equilateral triangle, perpendiculars are drawn on the three sides. The lengths of the perpendiculars are 14 cm, 10 cm and 6 cm. Find the area of the triangle.
- 4 The perimeter of an isosceles triangle is 32 cm. The ratio of the equal side to its base is 3 : 2. Find the area of the triangle.

3. SURFACE AREA AND VOLUME

1. Metal spheres, each of radius 2 cm, are packed into a rectangular box of internal dimensions 16 cm × 8 cm × 8 cm. When 16 spheres are packed the box is filled with preservative liquid. Find the volume of this liquid. Give your answer to the nearest integer. [Use $\pi=3.14$]
2. A storage tank is in the form of a cube. When it is full of water, the volume of water is 15.625 m³. If the present depth of water is 1.3 m, find the volume of water already used from the tank.
3. Find the amount of water displaced by a solid spherical ball of diameter 4.2 cm, when it is completely immersed in water.
4. How many square metres of canvas is required for a conical tent whose height is 3.5 m and the radius of the base is 12 m?

SOCIAL SCIENCE

1. Discuss the major reasons for poverty in India?
2. On an outline map of India, show the following:
 - (i) Area receiving rainfall over 400 cm
 - (ii) Area receiving less than 20 cm of rainfall.
3. On an outline map of the world locate and label the following major countries of First World War
 - Central Powers
 - Allied Powers
4. Complete exercise questions and answers of all taught chapters
5. Distinguish between the following;
 - (I) Lok Sabha and the Rajya Sabha.
 - (II) Political Executive and Permanent Executive

गद्यांश 1

संस्कृतभाषायाम् इदं प्रसिद्धम् अस्ति—अविवेकी पक्षपाती जायते। अस्य तात्पर्यमस्ति यत् अविवेकिनः जनाः स्वजनान् एव पोषयन्ति एवम् एव श्रीहर्षः स्वमहाकाव्ये लिखति—‘भवन्ति हि भव्येषु पक्षपातः’। वस्तुतः ये जनाः आत्मनां कृते भव्याः प्रियाः च भवन्ति तान् प्रति तु पक्षपातः संजायते एव। जनाः अस्याभिप्रायम् इमं ग्रहणन्ति यत् स्वजातीयानां पारिवारिकाणाम् जनानां वा पक्षे स्वीकृते एव उदयः भवति भ्रष्टाचारस्य। अतः अतिप्राचीनकालाद् एव समाजे भ्रष्टाचारः प्रचलितः आसीत्। अभिज्ञानशाकुन्तलेऽपि वयं पश्यामः यद् राज्ञः श्यालः खलु आरक्षकाणां महाधिकारी आसीत्।

10

प्रश्नाः

- (I) एकपदेन उत्तरत। (एक पद में उत्तर दीजिए। Answer in one word only.) ½ × 4 = 2
- (i) कालिदास-विरचित-नाटकस्य नाम किम्?
- (ii) भ्रष्टाचारः कस्मात् कालात् प्रचलितः?
- (iii) अविवेकिनः कान् पोषयन्ति?
- (iv) आरक्षकाणां महाधिकारी कः आसीत्?
- (II) पूर्णवाक्येन उत्तरत। (पूर्ण वाक्य में उत्तर दीजिए। Answer in a complete sentence.) 1 × 2 = 2
- (i) ‘अविवेकी पक्षपाती जायते’—अस्य कः अभिप्रायः?
- (ii) श्रीहर्षः स्वमहाकाव्ये किम् अलिखत्?
- (III) अस्य अनुच्छेदस्य समुचितं शीर्षकं लिखत। (इस अनुच्छेद का उपयुक्त शीर्षक लिखिए। Write an appropriate title for this passage.) 2
- (IV) भाषिककार्यम्। (भाषा संबंधी कार्य। Work of language.) 1 × 4 = 4
- (i) ‘तान् प्रति तु पक्षपातः’ अत्र ‘तान्’-इति सर्वनामपदं केषाम् कृते प्रयुक्तम्?
- (क) आत्मप्रियाणाम् (ख) परेषाम् (ग) आत्मनाम् (घ) जनानाम्
- (ii) ‘जनाः भव्याः प्रियाः च भवन्ति’ अत्र विशेष्य पदं किम्?
- (क) भव्याः (ख) प्रियाः (ग) भवन्ति (घ) जनाः
- (iii) ‘स्वीकुर्वन्ति’ इत्यर्थे कः शब्दः प्रयुक्तः?
- (क) जायन्ते (ख) ग्रहणन्ति (ग) पोषयन्ति (घ) भवन्ति
- (iv) ‘अविवेकिनः’ इति पदे कः प्रत्ययः?
- (क) णिनी (ख) इनः (ग) इन् (घ) णिच्

प्रश्न: अधोलिखितेषु वाक्येषु स्थूल शब्दस्य विच्छेदं कृत्वा लिखत (sandhi vichhed of bold letter words)

1. रामः **विद्यालयं** गच्छति।
2. नराणां कश्चित् क्लेशः **नास्ति**।
3. **शीतांशुः** सन्तापं नश्यति।
4. किम् **रमापि** न आगता ?
5. अहं प्रातःकाले **स्नानादि** कर्माणि करोमि।
6. गंगा-तटे **ब्रजेशः** धावति।
7. राहुलः भ्रमणाय **महोद्यानं** गच्छति।
8. मोहनः **कदापि** न गमिष्यति।
9. **सुरेशः** आपणं गच्छति।
10. **सूर्योदयः** कदा भवति?

HINDI

छात्र/छात्रा की सूचना

छात्र/छात्रा
की फोटो

- छात्र/छात्रा का नाम : _____
- जन्म तिथि : _____
- उम्र : _____
- कक्षा व वर्ग : _____
- अनुक्रमांक : _____
- विद्यालय का नाम : _____
- प्रवेश संख्या : _____
- विद्यालय में प्रवेश वर्ष : _____
- लंबाई : _____
- भार : _____
- रक्त समूह : _____
- आधार संख्या : _____

• पारिवारिक सूचना

- माता का नाम : _____
- पेशा : _____
- संपर्क दूरभाष : _____
- पिता का नाम : _____
- पेशा : _____
- संपर्क दूरभाष : _____
- भाई-बहन की संख्या : _____
- घर का पता : _____

छात्र / छात्रा के अपने जवाब

1. आपको किन चीजों से ज्यादा लगाव है ?
उ: _____
2. आपका प्रिय खेल कौन-सा है ?
उ : _____
3. आपको किस चीज से ज्यादा डर लगता है ?
उ : _____
4. अपने घनिष्ठ मित्र का नाम लिखिए -
उ : _____
5. आपको अपने मित्र के कौन से गुण अच्छे लगते हैं ?
उ : _____
6. आप भविष्य में क्या बनना चाहते हैं ?
उ : _____
7. आपके प्रिय महापुरुष कौन है ?
उ : _____
8. पसंदीदा पुस्तक का नाम लिखिए-
उ: _____
9. आपका शौक क्या है ?
उ : _____
10. छुट्टियों में आप कहाँ जाना चाहते हैं ?
उ : _____

आप अपने बारे में एक अनुच्छेद लिखिए

एक सुविचार लिखिए

छात्र / छात्रा का हस्ताक्षर : _____

नाम : _____

दिनांक : _____

शिक्षक/ शिक्षिका का हस्ताक्षर : _____

नाम : _____

दिनांक : _____
