

BCM SCHOOL
CHANDIGARH ROAD, LUDHIANA
HOLIDAYS HOMEWORK

CLASS –IX

SUBJECT- ENGLISH

" Learning is a treasure that will follow it's owner everywhere "

Instructions:-

1. Holidays' homework must be done in a very neat and presentable manner .
 2. Students will be assessed for presentation, neatness, completion of all the given questions and timely submission.
 3. Revise all the topics covered till now as it will help you for future assessments
- *Prepare a pictorial presentation on poem 'Wind' or A village fair(based on chapter ' The lost child ' (5m)
- *Prepare a Powerpoint Presentation on Figures of Speech with examples from the poems 'The Road Not Taken ' .(5 Marks)
- *Write a dramatic script of any social issue. Divide into 3 scenes and also add atleast 4 characters. Each scene should be written on a separate A4 size sheet. (10m)

SUBJECT - HINDI

1. नवयुग हिंदी व्याकरण में से उत्तर रहित पहले दो अपठित गद्यांश और पहले दो अपठित पद्यांशों के उत्तर अपनी उत्तर पुस्तिका में लिखें |
2. मोबाइल फ़ोन के दुरुपयोग पर दो छात्रों का संवाद लिखिए और दिनोंदिन बढ़ रहे प्रदूषण की समस्या पर मित्र से हुए संवाद को लगभग 50 शब्दों में लिखिए |
3. यातायात के नियमों का उल्लंघन करने वालों के विरुद्ध कड़ी कार्रवाई करने का सुझाव देते हुए यातायात पुलिस आयुक्त को पत्र लिखिए |
4. धन का महत्त्व बताते हुए अपने छोटे भाई को पत्र लिखिए |
5. आदर्श विद्यार्थी और परोपकार विषय पर अनुच्छेद लिखिए |
6. नवयुग हिंदी व्याकरण से व्याकरण अभ्यास -कक्षा नवी के प्रश्न अभ्यास 1 से 7 (समास को छोड़कर) के उत्तर अपनी उत्तर पुस्तिका में लिखें |
7. संकेत – आलसी लड़का, पैसों से भरा थैला मिलना, बिना प्रयास के पैसे मिलना, व्यर्थ में पैसे खर्च करना, काम करने की कोई आवश्यकता नहीं, पछताना, कद्र और उपयोगिता
उपरोक्त संकेत बिन्दुओं पर एक लघु-कथा तैयार करें |
8. नारी, बचपन, प्रकृति, स्वच्छता, महंगाई, भ्रष्टाचार, आतंकवाद, नशा, आदि सामाजिक समस्याओं में से किसी एक विषय पर स्वरचित कहानी ,कविता या निबंध लिखें |

SUBJECT - PUNJABI

* ਘੜੀ ਦਾ ਚਿੱਤਰ ਬਣਾਓ ਅਤੇ ਰੋਜ਼ਾਨਾ ਕੰਮਾਂ ਦੀ ਸਮਾਂ ਸਾਰਨੀ ਤਿਆਰ ਕਰੋ (ਚਾਰਟ)

*ਪੰਜਾਬੀ ਵਿੱਚ ਗੀਤ,ਲਘੂ ਨਾਟਕ , ਮਿੰਨੀ ਕਹਾਣੀ,ਲੇਖ (ਆਰਟੀਕਲ) ਆਦਿ ਵਿੱਚੋਂ ਕੋਈ ਇਕ ਲਿਖੋ। (ਇਹ ਰਚਨਾ ਤੁਹਾਡੀ ਆਪਣੀ ਹੋਣੀ ਚਾਹੀਦੀ ਹੈ)

* ਆਪਣੇ ਜੀਵਨ ਦੀ ਕੋਈ ਮਿੱਠੀ ਤੇ ਅਭੁੱਲ ਯਾਦ ਲਿਖੋ ।

*ਦਸ ਦਿਨਾਂ ਦੀਆਂ ਪੰਜਾਬੀ ਖ਼ਬਰਾਂ ਇਕੱਠੀਆਂ ਕਰਕੇ ਕੋਲਾਜ ਬਣਾਓ ।

SUBJECT - MATHEMATICS

• WORKSHEET

1. If $x = \frac{\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}}$, $y = \frac{\sqrt{3} - \sqrt{2}}{\sqrt{3} + \sqrt{2}}$ find $x - y$
2. If $\frac{2\sqrt{3} + \sqrt{2}}{\sqrt{3} - \sqrt{2}} = a + b\sqrt{6}$ then find a and b
3. If $x = \frac{\sqrt{2} + \sqrt{3}}{\sqrt{2} - \sqrt{3}}$ and $y = \frac{\sqrt{2} + \sqrt{3}}{\sqrt{2} - \sqrt{3}}$; Find the value of $x^2 + y^2$
4. If $x = \frac{\sqrt{5} + \sqrt{3}}{\sqrt{5} - \sqrt{3}} + \frac{\sqrt{5} - \sqrt{3}}{\sqrt{5} + \sqrt{3}} = a + b\sqrt{15}$; Find the value of a and b
5. If $x = 2 + \sqrt{3}$ find the value of $x^2 + \frac{1}{x^2}$
6. If $x = 3 + \sqrt{8}$ find the value of $x^3 + \frac{1}{x^3}$
7. Factorize : $9x^2 + 6x + 1 - 25y^2$
8. Simplify: $512^{1/3} + 32^{1/5} - 125^{1/3}$
9. Find the value of a if $x + 6$ is a factor of $x^3 + 3x^2 + 4x + a$
10. If polynomial $ax^3 + 3x^2 - 3$ and $2x^3 - 5x + a$ leaves the same remainder when each is divided by $x - 4$, find the value of a.
11. The polynomial $x^4 - 2x^3 + 3x^2 - ax + b$ when divided by $x - 1$ and $x + 1$ leaves the remainder 5 and 19 respectively, find the value of a and b.
12. Find the rational zeroes: $2x^3 - 9x^2 + 13x - 6$
13. Which of the following are polynomial and write reason also : $1+x$; \sqrt{x} ; $\frac{1+x}{x^2}$; $x^2 - 1$; $\frac{5}{x}$; $\frac{5(1+x)}{1+x}$
14. If $x = 2 - \sqrt{3}$ find i) $x + \frac{1}{x}$ ii) $x^2 - \frac{1}{x^2}$
15. Find $P(3) - P(-3)$ IF $P(x) = 9x^2 + 13x - 6$
16. Three vertices of a rectangle are (3, 2), (-4, 2) and (-4, 5). Plot these points and find the coordinates of the fourth vertex
17. Examine whether $x + 2$ is a factor of $x^3 + 3x^2 + 5x + 6$ and $2x^2 - 4x - 2$
18. Points A (5, 3), B (-2, 3) and D (5, -4) are three vertices of a square ABCD. Plot these points on a graph paper and hence find the coordinates of the vertex C.
19. Write the quadrant or axes of the following points: P (-3, 0) ; Q(2,5) ; R(-5, 6) ; S(-2, -7) A (0, 5), B (-3, 0), C (5, -1).
20. Simplify: $[(\sqrt{81})^{1/2}]^2 - [(\sqrt{64})^{1/2}]^2 + 216^{1/3}$

• PROJECT: Working Model (Group Activity)

• LAB MANUAL ACTIVITIES

SUBJECT – SOCIAL SCIENCE

NOTE:

1. Use A-4 size file paper (one side ruled)
2. Cover page must be designed by the student which should reflect the topic.
3. Project must be handwritten
4. The project work should not be of less than 7 pages (including the cover page)

1.PROJECT ON DISASTER MANAGEMENT

1. Collect information about different disasters like floods, (Roll no 1-7), earthquake(R.N.8-14 , landslides(15-21), Cyclones (22-28), forest fire (29-34)and chemical or nuclear disaster(35-40).and paste relevant pictures
2. Locate disaster prone areas on world map and on political map of India.
3. Search out mitigation techniques followed to reduce their impact
4. Write a short report on
Where disaster happened recently.

22. MAP ALBUM

1: India-Size and Location

India-States with Capitals, Tropic of Cancer, Standard Meridian (Location And Labelling)

2: Physical Features of India

Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats

- Mountain Peaks – K2, Kanchan Junga, Anai Mudi
- Plateau – Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau
- Coastal Plains – Konkan, Malabar, Coromandal & Northern Circar (Location and labelling).

3 Learning (Thorough chapter reading based)

What is democracy and why democracy.

SUBJECT – SCIENCE

BIOLOGY-

- 1-Draw neat and labelled diagrams of FUNDAMENTAL UNIT OF LIFE and TISSUES.
- 2-Learn NCERT question answers.

PHYSICS-

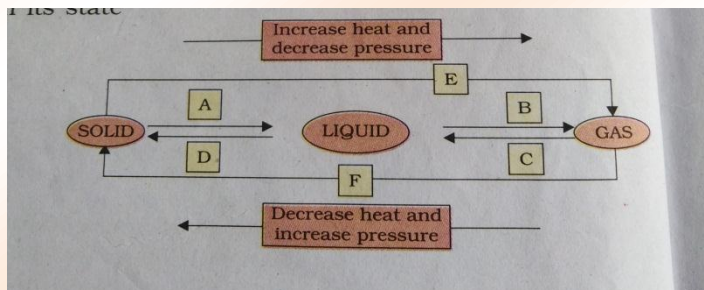
Do any 15 Numericals based on equation of motion (5 numerical based on each equation of motion)

Learn all the syllabus till date .

CHEMISTRY-

1- learn 1-20 atomic number, atomic mass and symbols of elements (page no. 51 in N C. E. R. T).

2-Draw flow chart of interconversion of three states of matter.



Name A, B, C, D, E, F in above diagram showing change in its state.

3. Perform any two activities from chapter 1 (Matter in surrounding) and make a video of it.

Have Safe & Happy Holidays !