

PRACTICE WORKSHEET-62**SUBJECT – MATHEMATICS****CLASS – IX****CHAPTER-02****(Polynomials)****SESSION - (2020-21)****Instructions to be followed: -**

1: -From now onwards students do your worksheets in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.

2: - All the students must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.

3: - Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.

4: - All the students must purchase NCERT books as it will help you to understand the chapter.

5: - If you have any query related to worksheet, ask your queries in WhatsApp group between 8:00 am to 3:00 pm.

1. Write the coefficient of x^3 in $x + 3x^2 - 5x^3 + x^4$.

2. Write the coefficient of 'x' in $\sqrt{3} - 2\sqrt{2}x + 6x^2$.

3. Determine the degree of each of the following polynomials.

$$\frac{4x - 5x^2 + 6x^3}{2x}$$

4. Determine the degree of each of the following polynomials.

$$y^2(y - y^3)$$

5. Give an example of a monomial of degree 5.

6. Give an example of a binomial of degree 8.

7. Rewrite the following polynomial in standard form.

$$\frac{2}{3} + 4y^2 - 3y + 2y^3$$

8. If $p(x) = 5 - 4x + 2x^2$, find

(i) $p(0)$

(ii) $p(3)$

9. Verify that: 4 is a zero of the polynomial $p(x) = x - 4$.

10. Find the zero of the polynomial:

$$f(x) = 3x + 1$$

HARI VIDYA BHAWAN
SUBJECT- SOCIAL SCIENCE
CLASS – IX
SESSION – 2020 – 21
WORK SHEET - 62

Date –19-01-2021

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Chapter 1: India- Size and Location

Long Answer Questions:

1. India occupies an important strategic position in south Asia.
Discuss
2. Describe the location of India on the World map.

हरि विद्या भवन

विषय - हिंदी

सामान्य निर्देश

- * प्रस्तुत कार्य अपनी हिंदी साहित्य की पुस्तिका में कीजिए। किसी अन्य पुस्तिका में किया गया कार्य स्वीकार नहीं किया जायेगा।
- * सभी विद्यार्थियों को परीक्षा हेतु यह कार्य करना अनिवार्य है।
- * वर्कशीट में दिए गए पाठ और कविता को ध्यानपूर्वक पढ़ें।
- * वर्कशीट से सम्बंधित समस्या पूछने के लिए आप अपने कक्षा ग्रुप पर सुबह 8 बजे से 3 बजे तक मैसेज कर सकते।

हरि विद्या भवन

कक्षा - दसवीं

विषय - हिंदी

वर्कशीट – 62

दिनांक :- 19|1|21

हिंदी व्याकरण

लेखन पक्ष

अनुच्छेद लेखन

(सूचना :- प्रस्तुत कार्य अपनी हिंदी व्याकरण की पाठ्यपुस्तिका में
कीजिए ।

दिए गए कार्य में सहायक बिंदु के आधार पर अनुच्छेद
लिखिए ।)

(क) मिट्टी तेरे रूप अनेक

- सामान्य धारणा
- मानव शरीर की रचना के लिए आवश्यक
- जीवन का आधार
- कल्याणकारी रूप

(ख) ग्लोबल वार्मिंग - मनुष्यता के लिए खतरा

- ग्लोबल वार्मिंग क्या है ?
- ग्लोबल वार्मिंग के कारण
- ग्लोबल वार्मिंग के प्रभाव
- समस्या का समाधान

(ग) सबको भाए मधुर वाणी

- मधुर वाणी सबको प्यार
- मधुर वाणी एक औषधि
- मधुरवाणी का प्रभाव
- मधुरवाणी की प्रासंगिकता

(घ) जीना मुशकिल करती महँगाई

- महँगाई और आम आदमी पर प्रभाव
- कारण
- महँगाई रोकने के उपाय
- सरकार के कर्तव्य

HARI VIDYA BHAWAN

Worksheet-62

Class-X

Subject-Science

Session-2020-21

(Practice Questions)

Date: 19/01/2021

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-

Short Answer Type Question: -

Q.1 Write the formula and then balance the chemical equation.



Q.2 Name the compound of calcium used for disinfecting water. Give its chemical formula.

Q.3 Two lenses have power of

a. +2D

b -4D

What is the nature and focal length of each lens?

Q.4 Write the functions of lymph.

Q.5 Name the method by which Spirogyra reproduces under favourable conditions. Is this method sexual or asexual ?

Q.6 State any two reasons for using contraceptive devices.

Q.7 (a) Write the electron dot structures for potassium and chlorine.

(b) Show the formation of KCl by the transfer of electrons.

(c) Name the ions present in the compound, KCl.

Q.8 Is the position of a star as seen by us its true position? Justify your answer.

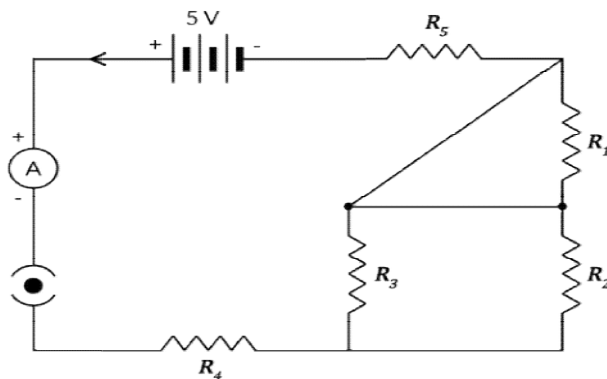
Long Answer Type Question:

Q. 9 (i) State the relation between work, charge and potential difference for an electric circuit.

(ii) Calculate the potential difference between the two terminals of a battery if 100 J of work is required to transfer 20 C, charge from one terminal of the battery to the other.

(iii) Why are alloys commonly used in electrical heating devices? Give reason.

Q.10 Consider the following electric circuit.



(i) Which two resistors are connected in series?

(ii) Which two resistors are connected in parallel?

(iii) If every resistor is $2\ \Omega$, what current will flow in the circuit?

Note –

- This worksheet is for your self assessment. To solve the above questions read all the notes and NCERT books & try to answer them.

- All the practice worksheets have to be done in same notebook wherever you are writing notes.