

PRACTICE WORKSHEET-45**SUBJECT – MATHEMATICS****CLASS – IX****CHAPTER-13****(SURFACE AREAS AND VOLUMES)****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.
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- 1.) Find the volume, curved surface area and the total surface area of a cone having base radius 35cm and height 12cm.
- 2.) A conical pit of diameter 3.5m is 12m deep. What is its capacity in kilolitres? ($1\text{m}^3=1$ kilolitres).
- 3.) A heap of wheat is in the form of a cone of diameter 9m and height 3.5m. Find its volume. How much canvas cloth is required to just cover the heap?
- 4.) A man uses a piece of canvas having an area of 551m^2 , to make a conical tent of base radius 7m. Assuming that all the stitching margins and wastage incurred while cutting, amount to approximately 1m^2 , find the volume of the tent that can be made with it.
- 5.) How many metres of cloth, 2.5m wide, will be required to make a conical tent whose base radius is 7m and height 24m?
- 6.) Two cones have their heights in the ratio 1:3 and the radii of their bases in the ratio 3:1. Show that their volumes are in the ratio 3:1.
- 7.) A cylinder and a cone have equal radii of their bases and equal heights. If their curved surface areas are in the ratio 8:5, show that the radius and height of each has the ratio 3:4.
- 8.) A right circular cone is 3.6cm high and radius of its base is 1.6cm. It is melted and recast into a right circular cone having base radius 1.2cm. Find its height.
- 9.) A circus tent is cylindrical to a height of 3 metres and conical above it. If its diameter is 105m and the slant height of the conical portion is 53m, calculate the length of the canvas 5m wide to make the required tent.
- 10.) An iron pillar consists of a cylindrical portion 2.8m high and 20cm in diameter and a cone 42cm high is surmounting it. Find the weight of the pillar, given that 1cm^3 of iron weighs 7.5g.

For Solutions: <https://byjus.com/rs-aggarwal-solutions-class-9-maths-chapter-15-volume-and-surface-area-of-solids-exercise-15c/>

HARU VIDYA BHAWAN
SUBJECT- SOCIAL SCIENCE
CLASS – IX
SESSION – 2020 – 21
WORK SHEET - 45

Date – 27-10-2020

General Instructions: -

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Chapter- 5 Working of institutions (Civics)

Practice Questions

Very short Questions:

1. Who is the head of the state?
2. How many houses are there in parliament?
3. Once the Lok Sabha passes the budget of the government or any other money, related law, the Rajya Sabha cannot reject it. It can only delay it by _____ days.

4. Who appoints the judges of the Supreme Court and the High Courts?
5. Explain SEBC.
6. Why is the minister more powerful than the civil Servant?
7. Who chairs the Cabinet meetings?

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 - 48

दिनांक :- 27|10|20

पुस्तक :- स्पर्श (पद्य खंड)

कविता :- कर चले हम फ़िदा

कवि :- कैफ़ी आज़मी

* प्रस्तुत प्रश्नों के उत्तर दीजिए ।

प्र01) इस गीत की ऐतिहासिक पृष्ठभूमि क्या है ?

प्र02) साथियों का सम्बोधन किसके लिए हुआ है ?

प्र03) सर पर कफ़न बांधने से आप क्या समझते हैं ?

प्र04) "सर हिमालय का न हमने झुकने दिया" इस पंक्ति का क्या तात्पर्य है ?

प्र05) इस गीत में ऐसी क्या खास बात है जो आपको जीवन भर याद रह जाती है ?

प्र06) छू न पाए सीता का दमन कोई

राम भी तुम तुम्ही लक्समन साथियों

इसका अर्थ स्पष्ट कीजिये ?

प्र07) कर चले हम फ़िदा कविता का सारांश लिखिए।

प्र08) प्रस्तुत कविता का प्रतिपाद्य लिखिए।

<https://youtu.be/uFqaVgrOoQM>

HARI VIDYA BHAWAN

Worksheet-48

Class-X

Subject-Science

Session-2020-21

Ch-3: Metals and Non-metals (Practice Questions)

Date: 27/10/2020

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Multiple Choice Question:-

- Q.1 Which property of metals is used for making bells and strings of musical instruments like Sitar and Violin?
- (a) Sonorousness
 - (b) Malleability
 - (c) Ductility
 - (d) Conductivity
- Q.2 Which of the following pairs will give dis-placement reactions?
- (a) FeSO_4 solution and Copper metal

- (b) AgNO_3 solution and Copper metal
- (c) CuSO_4 solution and Silver metal
- (d) NaCl solution and Copper metal

Q.3 Aluminium is used for making cooking utensils. Which of the following properties of aluminium are responsible for the same?

- (i) Good thermal conductivity
- (ii) Good electrical conductivity
- (iii) Ductility
- (iv) High melting point

- (a) (i) and (ii)
- (b) (i) and (iii)
- (c) (ii) and (iii)
- (d) (i) and (iv)

Q.4 Which of the following non-metal is lustrous?

- (a) Sulphur
- (b) Oxygen
- (c) Nitrogen
- (d) Iodine

Q.5 The number of protons in an atom of an element A is 19 then, the number of electron in its ion A^+ is:

- (a) 18
- (b) 19
- (c) 20
- (d) 21

Short Answer Type Question: -

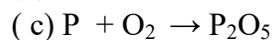
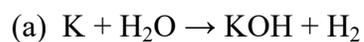
Q.6 Name the metals which are so soft that they can be cut with a knife are .

Q.7 Name two metals which are both malleable and ductile.

Q.8 Metal A can displace metal B from BO , the oxide of metal B. Metal B can displace C from solution of CSO_4 , the sulphate of metal C. Arrange metal A, B and C in the order of increasing reactivity.

Q. 9 Why do shopkeepers apply oil on tools made of iron while storing them?

Q. 10 Balance the following chemical equations:



Note –

- This worksheet is for your self assessment. To solve the above questions read all the notes of chapter 3 and try to answer them.
- All the practice worksheets have to be done in same notebook wherever you are writing notes.