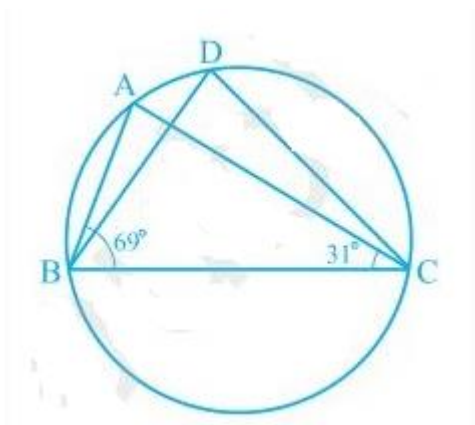


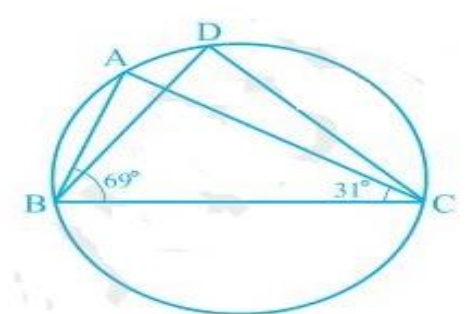
**PRACTICE WORKSHEET-66****SUBJECT – MATHEMATICS****CLASS – IX****CHAPTER- 10 and 11****(Circles and Constructions)****SESSION - (2020-21)****Instructions to be followed: -**

- 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. In below figure,  $\angle ABC = 69^\circ$ ,  $\angle ACB = 31^\circ$ , find  $\angle BDC$ .**



- 2. If diagonals of a cyclic quadrilateral are diameters of the circle through the vertices of the quadrilateral, prove that it is a rectangle.**
- 3. If the non-parallel sides of a trapezium are equal, prove that it is cyclic.**
- 4. In below figure,  $\angle ABC = 69^\circ$ ,  $\angle ACB = 31^\circ$ , find  $\angle BDC$ .**



- 5. Construct the following angle, using ruler and compasses:  $37.5^\circ$**

6. Construct the following angles, using ruler and compasses:  $135^\circ$
7. Construct a  $\triangle ABC$  in which  $BC = 4.8$  cm,  $\angle B = 45^\circ$  and  $\angle C = 75^\circ$ . Measure  $\angle A$
8. Construct an equilateral triangle each of whose sides measures 5cm.

For Solutions (Q1 to Q4): <https://byjus.com/ncert-solutions-class-9-maths/chapter-10-circles/>

For Solutions (Q5 to Q8): <https://www.topperlearning.com/r-s-aggarwal-and-v-aggarwal-solutions/cbse-class-9-mathematics/r-s-aggarwal-and-v-aggarwal-mathematics-ix/geometrical-constructions>

**HARI VIDYA BHAWAN**  
**SUBJECT- SOCIAL SCIENCE**  
**CLASS – IX**  
**SESSION – 2020 – 21**  
**WORK SHEET - 65**

**Date –5-02-2021**

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**General Instructions: -**

- From now onwards students do your worksheet in your particular subject notebook respectively.
  - Don't use rough sheets, old copies or anything else. All the stationary shops have already. So, you can purchase it.
  - All the student 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.
  - Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.
  - All the students must purchase NCERT books as it will help you to understand the chapter.
  - If you have any query related to worksheet, ask your queries in WhatsApp group between 8:00 am to 3:00 pm.
- 

**Chapter 4 Climate**

**Very Short Answer Questions:**

1. Name all the six major controls of climate of any place.
2. What is Inter-Tropical Convergence Zone?
3. What are jet streams?
4. What is known as 'October heat'?

## हरि विद्या भवन विषय हिंदी

### सामान्य - निर्देश

- ★ प्रस्तुत कार्य अपनी हिंदी व्याकरण की कार्यपुस्तिका में कीजिए।
- ★ सभी विद्यार्थियों को परीक्षा हेतु यह कार्य करना अनिवार्य है।
- ★ वर्कशीट में दिए गए पाठ को ध्यानपूर्वक पढ़िए।
- ★ वर्कशीट से संबंधित समस्या पूछने के लिए आप अपने व्हाट्सएप ग्रुप में सुबह 8:00 बजे से दोपहर 3:00 बजे तक पूछ सकते हैं।

हरि विद्या भवन  
कक्षा -दसवीं  
विषय -हिंदी  
वर्कशीट-66

तारीख-5.2.21

सैंपल पेपर

सामान्य निर्देश – दिया हुआ कार्य अपनी व्याकरण की कॉपी में करिए।

प्रश्न 1.जल बोर्ड के अध्यक्ष को पत्र लिखकर अपने क्षेत्र में नियमित रूप से जल सप्लाई की व्यवस्था हेतु निवेदन कीजिए।

प्रश्न-2.गुमशुदा बच्चे की तलाश के लिए अखबार में प्रकाशित करने हेतु एक सूचना तैयार कीजिए।

प्रश्न 3. हाथ की घड़ी का एक विज्ञापन बनाइए।

प्रश्न-4 छवि नामक रक्तशोधक सिरप का एक विज्ञापन तैयार कीजिए।

प्रश्न-5.विद्यालय के प्रधानाचार्य की ओर से पुस्तक प्रदर्शनी में आने के लिए विद्यार्थियों को आमंत्रित करते हुए एक सूचना तैयार कीजिए।

प्रश्न-6. नीचे दिए अनुच्छेद को संकेत बिंदु के आधार पर लिखिए-

(1) शांति किसे प्रिय नहीं है

संकेत -बिंदु:-भारत एक शांतिप्रिय देश, अहिंसा ही सबसे बड़ा धर्म, शांति से बढ़कर कोई हथियार नहीं।

# HARI VIDYA BHAWAN

## Worksheet-66

### Class-X

### Subject-Science

### Session-2020-21

### (Practice Questions)

**Date: 05/02/2021**

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#### **Instructions to be followed :-**

- 1:- From now onwards students do your worksheet 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.
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  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 .
- 

#### **Multiple Choice Questions:**

- Q.1 For which colour, the refractive index of glass is maximum?  
(a)red (b) violet (c) green (d) yellow
- Q.2 The power of lens is -2D. The focal length and type of lens will be:  
(a)-50 cm, convex (b) -50 cm, concave (c)50 cm, convex (d) 50 cm, concave
- Q.3 If a mirror forms a virtual, erect image of the same size, then it should be a  
(a)convex mirror (b) spherical mirror (c) plane mirror (d) cannot say
- Q.4 Red colour of sun during sunrise and sunset is due to  
(a)red colour is least scattered

- (b) red colour is most scattered
- (c) blue colour is least scattered
- (d) all colours are equally scattered

**Short Answer Type Questions:**

- Q.5 Give the relationship of magnification with focal length of a spherical mirror.
- Q.6 We prefer a convex as a rear-view mirror in vehicles. Why?
- Q.7 State a condition for no refraction of light entering from one medium to another.
- Q.8 What is a precipitation reaction? Give an example.
- Q.9 Given below are the pH values of different liquids. 7.0, 14.0, 4.0, and 2.0. Which of these could be that of a) lemon juice b) distilled water c) sodium hydroxide solution d) tomato juice.
- Q.10 a) Crystals of a substance changed their color on heating in a closed test tube but regained it after some time when they were allowed to cool down. Name the substance and write its formula. Explain the phenomenon.
- b) How is sodium carbonate prepared? Give two uses of the compound

**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.