

**WORKSHEET-69**  
**SUBJECT – MATHEMATICS**  
**CLASS – X**  
**PRACTICE QUESTIONS**  
**SESSION - (2020-21)**

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Q1. A class teacher has the following absentee record of 40 students of a class for the whole term. Find the mean number of days a student was absent.

<b>Number of days</b>	0 - 6	6 - 10	10 - 14	14 - 20	20 - 28	28 - 38	38 - 40
<b>Number of students</b>	11	10	7	4	4	3	1

Q2. The following table gives the literacy rate (in percentage) of 35 cities. Find the mean literacy rate.

<b>Literacy rate (in %)</b>	45 - 55	55-65	65 - 75	75 - 85	85 - 95
<b>Number of cities</b>	3	10	11	8	3

Q3. A student noted the number of cars passing through a spot on a road for 100 periods each of 3 minutes and summarised it in the table given below. Find the mode of the data :

<b>Number of cars</b>	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
<b>Frequency</b>	7	14	13	12	20	11	15	8

Q4. The following distribution gives the daily income of 50 workers of a factory.

<b>Daily income (in ₹)</b>	100-120	120-140	140-160	160-180	180-200
<b>Number of workers</b>	12	14	8	6	10

Q5. A toy is in the form of a cone of radius 3.5 cm mounted on a hemisphere of same radius. The total height of the toy is 15.5 cm. Find the total surface area of the toy.

Q6. A hemispherical depression is cut out from one face of a cubical wooden block such that the diameter of the hemisphere is equal to the edge of the cube. Determine the surface area of the remaining solid.

Q7. From a solid cylinder whose height is 2.4 cm and diameter 1.4 cm, a conical cavity of the same height and same diameter is hollowed out. Find the total surface area of the remaining solid to the nearest  $\text{cm}^2$

Q8. Draw a line segment AB of length 8 cm. Taking A as centre, draw a circle of radius 4 cm and taking B as centre, draw another circle of radius 3 cm. Construct tangents to each circle from the centre of the other circle.

Q9. Let ABC be a right triangle in which  $AB = 6$  cm,  $BC = 8$  cm and  $\angle B = 90^\circ$ . BD is the perpendicular from B on AC. The circle through B, C, D is drawn. Construct the tangents from A to this circle.

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**HARI VIDYA BHAWAN**  
**SUBJECT- SOCIAL SCIENCE**  
**CLASS – X**  
**SESSION – 2020 – 21**  
**WORK SHEET - 69**

**Date-01- 03-2021**

**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 opened. So, you can purchase it.
- All the students must complete their worksheet 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.

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**REVISION WORKSHEET**

**Very Short Questions**

- Q1. Alluri Sitaram Raju was well known for
- a) Leading a peasant movement in Avadh
  - b) Leading the militant movement of tribal peasants in Andhra Pradesh
  - c) Setting up an organisation for the upliftment of the Dalits
  - d) Leading a satyagraha movement in Bardoli
- Q2. Hind Swaraj was written by:

- a) Abdul Kalam Azad
- b) Mahatma Gandhi
- c) Sardar Patel
- d) Subhash Chandra Bose

Q3. Which of the following led to the formation of the United Kingdom of Great Britain?

- a) Treaty of Versailles
- b) Act of Union
- c) Treaty of Paris
- d) Treaty of Vienna

Q4. Under which of the following types of resources can tidal energy be put?

- a) Replenishable
- b) Human - made
- c) Abiotic
- d) Non- recyclable

Q5. Which of the following is a kharif crop in the north and rabi crop in the south?

- a) Groundnut
- b) Rice
- c) Cotton
- d) Sesamum

Q6. Which one of the following industries manufactures telephones, computers, etc?

- a) Steel
- b) Electronic
- c) Aluminium
- d) Information technology

Q7. The Brahmaputra river between Sadiya and Dhubri is termed as:

- a) Waterway N.W.No.1
- b) Waterway N.W.No.3
- c) Waterway N.W.No.2
- d) Waterway N.W.No.5

Q8. Which mode of transportation reduces trans - shipment losses and delays?

- a) Railways
- b) Roadways
- c) Waterways

d) pipeline

Q9. The Community Government signifies:

- a) The powers of government regarding community development.
- b) The powers of the government regarding law making for the community.
- c) The powers of the government regarding cultural, educational and language related issues.
- d) The government enjoys privileges to safeguard the interest of a particular community.

Q10. Subjects like police, trade, agriculture, irrigation, come under the

- a) Concurrent list
- b) Union list
- c) Residuary list
- d) State list