

**CENTRAL AGRA PUBLIC SCHOOL**  
**SHAHADRA CHECK POST, FIROZABAD ROAD, AGRA**  
**SESSION (2020-21)**

**ASSIGNMENT - 1**

**CLASS- IX**

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**SCIENCE**

1-On converting 308 K, 329 K and 391 K to Celsius scale, the correct sequence of temperatures will be:

- (a) 33°C, 56°C and 118°C
- (b) 35°C, 56°C and 119°C
- (c) 35°C, 56°C and 118°C
- (d) 56°, 119°C and 35° C

2-Which of the following cannot be considered a form of matter?

- (a) Atom
- (b) Water
- (c) Humidity
- (d) Electron

3-Which of the following statement is not true regarding the characteristic of matter?

- (a) Particles of a matter are randomly moving in all directions.
- (b) Kinetic energy of the particles increases with a rise in temperature
- (c) Kinetic energy of the particles of all matters remains the same at a particular temperature.
- (d) Particles of matter diffuse into each other on their own.

4-Dry ice means –

- (a) solid SO<sub>2</sub>
- (b) solid water
- (c) solid CO<sub>2</sub>
- (d) solid CO

5-Materials existing as liquids have -

- (a) boiling point and melting point above room temperature
- (b) boiling point and melting point below room temperature
- (c) boiling point above room temperature and melting point below room temperature
- (d) boiling point and melting point below room temperature

6.What do you mean by the following terms:

- a. Evaporation
- b. Sublimation
- c. Condensation

7.What factors affect the rate of evaporation?

8.The mass per unit volume of a substance is called density (density=mass/volume). Arrange the following in order of increasing density:

Air, Exhaust from chimneys, Honey, Water, Chalk, Cotton and Iron.

9.Which of the following are matter?

Chair, Air, Love, Smell, Hate, Almonds, Thought, Cold, Cold drinks, Smell of perfume

10.Define Latent Heat of Fusion and Latent Heat of vaporisation.

11.Arrange the following substances in increasing order of intermolecular force of attraction: water, sugar, oxygen

12.Why do diffusion become faster at higher temperatures?

13.Give reasons for the following observation:

The smell of hot sizzling food reaches you several metres away, but to get the smell from cold food you have to go close.

14.Give reasons

(a) A gas fills completely the vessel in which it is kept.

(b) A gas exerts pressure on the walls of the container.

(c) A wooden table should be called a solid.

(d) We can easily move our hand in air but to do the same through a solid block of wood we need a karate expert.

15.Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Find out why.

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## MATHEMATICS

Q1. Which one is greatest in the following:-

- a. 2
- b.  $^2\sqrt{3}$
- c.  $^3\sqrt{4}$
- d.  $^3\sqrt{2}$

Q2.  $\frac{\sqrt{5-2}}{\sqrt{5+2}} - \frac{\sqrt{5+2}}{\sqrt{5-2}} =$

- a.  $8\sqrt{5}$
- b.  $-8\sqrt{5}$
- c.  $6\sqrt{5}$
- d. -64

Q3.  $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a + b\sqrt{7}$  then (a, b) =

- a. (8, -3)
- b. (-8, -3)
- c. (8, 3)
- d. (8, 3)

Q4. Write a rational number between  $\frac{-3}{7}$  and  $\frac{4}{7}$ .

Q5. Write a rationalizing factor of  $\frac{1}{\sqrt{7}-\sqrt{4}}$

Q6. Represent  $\sqrt{6.5}$  geometrically.

Q7. Simplify:  $-3\sqrt{45} - \sqrt{125} + \sqrt{200} - \sqrt{50}$ .

Q8. Find the value of  $\frac{3\sqrt{12}}{6\sqrt{27}}$ .

Q9. Simplify:  $-8\sqrt{3} - 2\sqrt{3} + 4\sqrt{3}$ .

Q10. Express  $0.6 + 0.7 + \overline{0.47}$  in the form of  $\frac{p}{q}$ , where p and q are integers and  $q \neq 0$ .

Q11. Represent  $\sqrt{2}$  on the number line.

Q12. Evaluate:  $-(\sqrt{2} + \sqrt{3})^2 + (\sqrt{5} - \sqrt{2})^2$ .

Q13. If  $x = 6 + \sqrt{2}$ , find the value of  $x - \frac{1}{x}$ .

Q14. Rationalize the denominator of  $\frac{\sqrt{3} + \sqrt{2}}{5 + \sqrt{2}}$ .

Q15. Simplify by rationalizing the denominator:  $-\frac{2\sqrt{6}}{\sqrt{2} + \sqrt{3}} + \frac{6\sqrt{2}}{\sqrt{6} + \sqrt{3}} - \frac{8\sqrt{3}}{\sqrt{6} + \sqrt{2}}$ .

Q16. Simplify:  $-\frac{1}{1+\sqrt{2}} + \frac{1}{\sqrt{2}+\sqrt{3}} + \frac{2}{\sqrt{3}+\sqrt{5}}$ .

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## SOCIAL STUDY

Q1: Which estates in France were exempted from paying taxes in the 18th century France?

- (a) The first estate (clergy)
- (b) The second estate (nobility)
- (c) Both first and second estate
- (d) The third estate (traders, artisans and peasants)

Q2: In the context of France, what was 'tithes'?

- (a) A tax levied by the Church

- (b) Direct tax levied by the State**
- (c) The tax levied on the articles of everyday consumption**
- (d) None of these**

**Q3. The National Assembly of France voted in April 1792, to declare war against:**

- (a) Britain and Germany**
- (b) Prussia and Austria**
- (c) Italy and Germany**
- (d) Russia and Prussia**

**Q4: What was the reason of increased demand for food grains in France during 1715 to 1789?**

- (a) Rapid industrialization of agriculture land.**
- (b) Big Famines for many years**
- (c) Heavy export of food grains from France to England**
- (d) High rise in population during these years.**

**Q5: Who was the leader of Jacobins?**

- (a) Robespierre**
- (b) Rousseau**
- (c) Locke**
- (d) Montesquieu**

**6. Mention the rumors that inspired the people to begin French Rev.**

**7. Where and why did the people's militia attack first of all in Paris?**

**8. Name the fortress prison which was stormed by the people of France. What was its cause?**

**9. Define Republic.**

**10. What is meant by the term the guillotine?**

**11. What was a Directory?**

**12. What was a vital political result of the political instability during the days of the Directory in France?**

**13. Explain the term 'Third Estate'. Who wrote an influential pamphlet called 'What is Third Estate?'**

**14. Explain 'Declaration of the rights of man of citizen'**

**15. When and why was Battle of Waterloo fought?**

**16. Explain the impact of Fr Rev on the Spanish colonies in America.**

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# ENGLISH

**Q1. Write a letter to the editor of a national daily, expressing your opinion and views on the increased human dependence on technology. Right from a small child to an adult, or even an old man, everyone wants gadgets only for their help. This also has a negative effect on social relationships. Write a letter in about 100-120 words.**

**Q2. You are Ravi / Rani living at 62, Parmanand Road, Nasik- Write a letter to Messrs Ali and Company, 5, Calaba, Mumbai stating your complaint about a product (refrigerator), manufactured by them, that you have bought recently.**

**Q3. It was a dark night. There was no one at 01:00 am suddenly it started raining..... I could hear the noise of the cats crying, suddenly..... Complete the story in about 150-200 words.**

**Q4. As Ashish / Ashi of Agra Public School, Write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizen. (150-200 words)**

**Q5. 'Grow more trees to reduce pollution'. Write an article in 150-200 words on the topic give above for your school magazine. (150-200 words).**

**Q6. The following paragraph has not been edited. There is one error in each line. Write the error and its correction as shown in the example.**

	<u>ERROR</u>	<u>CORRECTION</u>
Overeating is one of the more wonderful	e.g. more	most
Practices among those which think that they	(a) _____	_____
Can afford it. In fact that is said that	(b) _____	_____
Near all those who can get as much	(c) _____	_____
As he desire, overeat to their	(d) _____	_____
Disadvantage. This class of peoples could	(e) _____	_____
Save the great deal more food than	(f) _____	_____
They can save by missing one meal	(g) _____	_____
Per week and also improving their health	(h) _____	_____

**Q7. Rearrange the following words into meaningful sentences.**

a. More / than / are child workers / the Indian population / five percent of.

- b. Engaged / in agriculture / tens of thousands / are chiefly.
  - c. Work / in urban areas / many / of industries / in a variety.
  - d. Lack / proper / aid / labor / poverty / child / and / education / of.
  - e. The earth / on / is / the rarest / of / platinum / metals / one.
  - f. Planet / arrived / ago / two billion / it / on / years / our.
  - g. Platinum is / one / earth / on / metals / precious / most / the / of / the.
  - h. Least / the / one / metals / is / platinum / reactive / of.
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## HINDI

- प्र1. अपने स्कूल के प्रधानचार्य को हिन्दी की पुस्तकें और पत्र पत्रिकाएँ इत्यादि मँगवाने हेतु एक पत्र लिखें।
  - प्र2. अलंकार की परिभाषा बताते हुए उसके प्रकारों को उदाहरण सहित लिखिए।
  - प्र3. "सफाई" एवं स्वच्छता का जीवन में महत्व पर निबंध लिखिए।
  - प्र4. दो औरतों के बीच "महामारी पर चर्चा" पर संवाद लिखिए।
  - प्र5. लॉकडाउन के महत्व को बताते हुए अपने मित्र को पत्र लिखिए।
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## COMPUTER

Q1. ARPANET stands for:-

- (A) Advanced real projects Airnetwork
- (B) Advanced reaseach preparation Agency Network
- (C) Recruitment process agency network
- (D) Advanced reaseach project agency network

Q2. In 1990's the inter networking of which three networks resulted into internet:-

- (A) WWW ,GPS and other private networks
- (B) ARPANET,NSFnet,and others private network
- (C) ARPANET,NSFnet,and other public network
- (D) ARPANET,GPS, and NSFnet

Q3. Web search engine work with the help of two program.Which are they:-

- (A) Web vcrawler and cascading style sheet.
- (B) Spider and indexer.
- (C) Web server and web crawler.

(D) None of the above.

Q4. Web site is the collection of \_\_\_\_\_.

(A) Audio and video files.

(B) Picture .

(C) Web pages

(D) All of above.

Q5. AOL iGoogle ,yahoo are the examples \_\_\_\_\_.

(A) Web site.

(B) Web page.

(C) Web portal

(D) None of the above.,

Q6. \_\_\_\_\_protocol defines how message are form,atted and transmitted and what actions web servers and browser should take in response to various commands:-

(A) FTP

(B) TCP/IP

(C) HTTP

(D) SMTP

Q7. URLs are of two types:-

(A) Absolute and Relative

(B) STATIC AND DYNAMIC

(C) Absolute and Dynamic

(D) None of the above

Q8. DNS is an acronym:-

(A) Domain Name Sexurities

(B) Domain Number System

(C) Document Name System

(D) Domain number System

Q9. Define the following term:-

(A) FTP

(B) Blogger

(C) URL

(D) ARPANET

(E) PROTOCOL

**(F) TCP/IP**

**(G) HTTP**

**Q10. Define WWW.How it is different from internet.**

**Q11. Explain the various types of Server.**

**Q12. What is a search Engine .How its work**

**Q13. What is a web server?**

**Q14. What is cloud computing?**

**Q15. What is a web site?How does it is differ from Web portal?**

**Q16 Differentiate Static web server and Dynamic Server?**