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Email Id :- indianschool.rgh@gmail.com
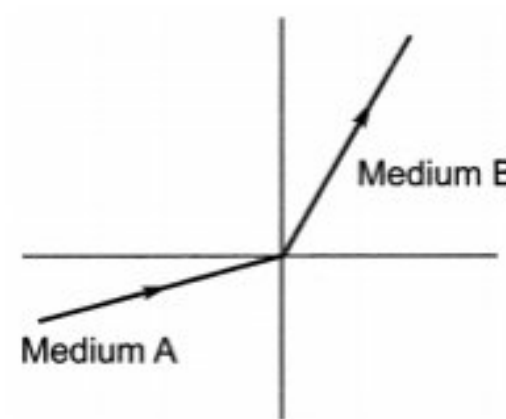Website :- www.indianschoolraigarh.in

NEAR S.E.C.L. OFFICE, KELOVIHAR, ATTARMUDA, RAIGARH(C.G.)

Monthly Assignment

Class: 10 Sec: B   Subject: PHYSICS   Submission Date (in subject notebook): 20/08/2022

Q1. A light ray enters from medium A to medium B as shown in figure. The refractive index of medium B relative to A will be

(a) greater than unity
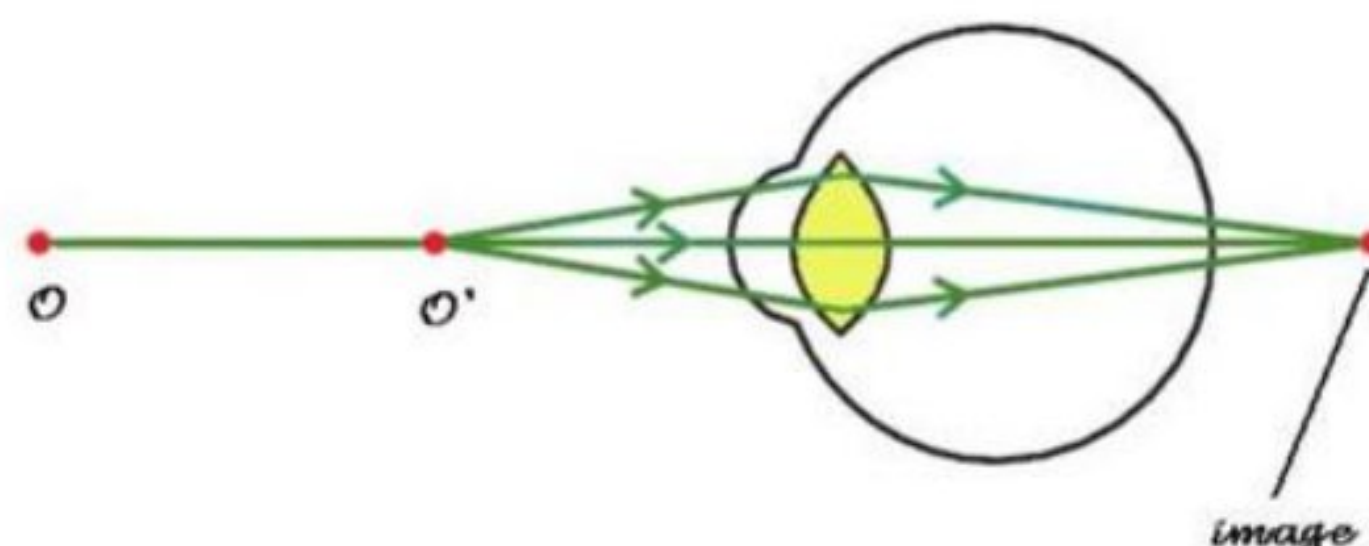(b) less than unity
(c) equal to unity
(d) zero

Q2. Why prism is able to split the white light into seven colours?

Q3. Explain giving reason why the sky appears blue to an observer from the surface of the earth? What will the colour of the sky be for an astronaut staying in the international space station orbiting the earth? Justify your answer giving reason.

Q4. A person cannot read newspaper placed nearer than 50 cm from his eyes. Name the defect of vision he is suffering from. Draw a ray diagram to illustrate this defect. Draw a ray diagram to show how this defect may be corrected using a lens of appropriate focal length.

Q5. As per below ray diagram, explain the defect of eye. With the help of ray diagram elaborate how to correct this defect of eye.

HINDI WORKSHEET

CLASS - 10TH

प्रश्न-1.निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए -

चंपारण सत्याग्रह के बीच जो लोग गांधी जी के संपर्क में आए वे आगे चलकर देश के निर्माताओं में गिने गए। चंपारण में गांधी जी न सिर्फ सत्य और अहिंसा का सार्वजनिक हितों में प्रयोग कर रहे थे बल्कि हलुवा बनाने से लेकर सिल पर मसाला पीसने और चक्की चलाकर गेहूँ का आटा बनाने की कला भी उन बड़े वकीलों को सिखा रहे थे, जिन्हें गरीबों की अगुवाई की जिम्मेदारी सौंपी जानी थी। अपने इन आध्यात्मिक प्रयोगों के माध्यम से वे देश की गरीब जनता की सेवा करने और उनकी तकदीर बदलने के साथ देश को आजाद कराने के लिए समर्पित व्यक्तियों की एक ऐसी जमात तैयार करना चाह रहे थे जो सत्याग्रह की भट्ठी में उसी तरह तपकर निखरे, जिस तरह भट्ठी में सोना तपकर निखरता और कीमती बनता है।

गांधी जी की मान्यता थी कि एक प्रतिष्ठित वकील और हज़ामत बनाने वाले हज़्ज़ाम में पेशे के लिहाज़ से कोई फ़र्क नहीं, दोनों की हैसियत एक ही हैं। उन्होंने पसीने की कमाई को सबसे अच्छी कमाई माना और शारीरिक श्रम को अहमियत देते हुए उसे उचित प्रतिष्ठा व सम्मान दिया था। कोई काम बड़ा नहीं, कोई काम छोटा नहीं, इस मान्यता को उन्होंने प्राथमिकता दी ताकि साधन शुद्धता की बुनियाद पर एक ठीक समाज खड़ा हो सके। आज़ाद हिंदुस्तान आत्मनिर्भर, स्वावलंबी और आत्म-सम्मानित देश के रूप में विश्व-बिरादरी के बीच अपनी एक खास पहचान बनाए और फिर उसे बरकरार भी रखे। (All India 2015)

1.किसी काम या पेशे के बारे में गांधी जी की मान्यता क्या थी?

2.गांधी जी सबसे अच्छी कमाई किसे मानते थे?

3.चंपारण सत्याग्रह के दौरान गांधी जी आध्यात्मिक प्रयोग क्यों कर रहे थे?

4.गांधी जी लोगों को शारीरिक श्रम का महत्त्व किस तरह समझा रहे थे?

5.शारीरिक श्रम को महत्त्व देने और हर काम को समान समझने के पीछे गांधी जी की दूरदर्शिता क्या थी?

प्रश्न-2.निम्नलिखित वाक्यों के वाच्य का नाम लिखिए

1. वह खाना खाकर चला गया।
2. मोहन से चला नहीं जाता।
3. आज निश्चित होकर सोया जाएगा।
4. ड्राईवर बस चलाता जा रहा था।
5. उससे पत्र नहीं पढ़ा जाता।
6. रुक्मिणी से यह सामान नहीं उठाया जाता।
7. छात्राएँ रात-रात भर पढ़ाई करती रही।
8. वह रामलीला देख रहा है।
9. तन्वी रात भर सो न सकी।
10. अक्षर से एक भी गेंद नहीं फेंकी गई।

प्रश्न-3.निम्नलिखित वाक्यों में वाच्य परिवर्तन कीजिए -

1. यह मकान दादाजी ने बनवाया है। (कर्म वाच्य)
2. वह दौड़ नहीं सकता। (भाव वाच्य)
3. अध्यापक द्वारा विद्यार्थी को पढ़ाया गया। (कर्तृ वाच्य)
4. राष्ट्रपति ने इस भवन का उद्घाटन किया। (कर्म वाच्य)

प्रश्न-4.निम्नलिखित वाक्यों को मिश्र वाक्य में बदलिए -

1. मेरे घर पहुँचते ही आंधी आ गई।
2. पुस्तकें खरीदने के लिए वह बाज़ार गई।
3. दुकान पर सजी मिठाइयाँ देखकर बच्चे के मुँह में पानी आ गया।
4. गार्ड द्वारा हरी झंडी हिलाते ही गाड़ी चल पड़ी।
5. पानी का टैंकर आते ही लोगों में हलचल मच गई।
6. रोहित शर्मा की अच्छी बल्लेबाजी के कारण भारत मैच जीत गया।

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G Y A N A S H A

NEAR S.E.C.L. OFFICE, KELOVIHAR, ATTARMUDA, RAIGARH(C.G.)

WORKSHEET

Q.1. Objectives .

1. WWW stands for _____.
2. The system to idnetify the Web location is called as
   a. DNS (Domain Name Server)
   b. IP (Internet Protocal)
   c. URL (Uniform Resouce Locator)
   d. Gateways
3. Internet was started in _____
4. Which Protocol is responsible for coverting the data into small packets of equal size
   a. TCP
   b. SMTP
   c.FTP
   d. HTTP
5. W3C organization is responsible for the development of new standards and technology for the working of internet.
   a. True
   b. False
6. Google Chrome is an example of Web Server
   a. True
   b. False
7. Which of these is not a Search Engine?
   a. Google
   b. Alta Vista
   c. Bing
   d. Google Chrome
8. Give 2 example of following websites
   a. e-Commerce
   b. Social Networking
9. Email can be sent even if the recipients is not online available
   a. True
   b. False
10. _____ is icon for file attachments
    a.

b.

c.

d.

11. _____ is an act of software piracy
    a. Make a copy of the licensed software and distribute it to others
    b. Give your friend a copy of the music CD you bought online
    c. Buy your own licensed copy of software
    d. All of the above
12. _____ is used to describe the legal rights of the owner of intellactual property.
    a. Patent
    b. Trademark
    c. Copyright
    d. Design
13. E-Commerce fraud is also known as Purchase fraud. True or False?
    a. True
    b. False
14. You cannot modify the source code of open source software. True or False?
    a. True
    b. False
15. _____ on the Internet refers to the various rights of individuals in the cyber world.
16. Google Chrome is an example of Web server. True or False?
    a. True
    b. False
17. Braodband connection is faster than dial-up connection. True or False?
    a. True
    b.False
18. A device that connects dissimilar networks is called _____.
19. Give 2 examples of e-Groups, e-Commerce and Social networking.
20. _____ represents personal choice.

Q2. Answer in brief.

1. Name the 3 type of Software Licensing?
2. What do you understand by E-Commerce fraud. name all types of E-Commerce fraud
3. How does FTP work. Explain with diagram?
4. Expand SSH and explain briefly.
5. What do you understand by web address. Describe the different parts of web address?
6. How is Cc is different from Bcc in context with Email message ?
7. What are the hardware requirements for videoconferencing facility?

8. Explain the various ways of secure data transmission from source to destination.
9. What are the netiquettes rules for Cyber ethics?
10. What is cyber ethics?
11. Give difference between 3G and 4G networks.
12. Which network is called as Virtual Hypertext Network?
13. Write the difference between SMS and MMS.
14. Give 4 examples of Web Browsers.
15. What is ISP (Internet Service Provider)?
16. What is difference between IETF and IRTF?
17. Expand the following domain extensions.
    a. com
    b. org
    c. gov
    d. au
    e. in
18. Explain the history of Internet development.
19. What do you understand by web address? Describe in details the different part of the web address.
20. What is the role of a server machine in the Client Server Technology?

1. The following passage has not been edited. There is an error in each line against which a blank is given. Write the incorrect word and the correction in your answer sheet against the correct blank number as given in the example. Remember to underline the word that you have supplied.

A. Ten of thousand of bat emerge.
Answer- emerge <u>emerged</u>

B. from under the bridge. It were (a) _____

C. a amazing sight. I learnt a (b) _____

D. few fact about these creatures. The baby (c) _____

E. bats is known as pups. Each (d) _____

F. mother bat delivers only one pups. (e) _____

G. They are usually born on June/July (f) _____

2. Imagine the poet meets Mijbil, the otter. Write a detailed account of the characteristics the poet could use for her poem, if she were to write about telling an otter.

3. Write a letter to the poet detailing your favourite aspects of the poem and the ones that you did not like. Include a request about which animal you'd like her to exclusively compose a poem on. Give reason/s for your choice.

4. Ausable's employer has been asked to write a recommendation letter for Ausable so that he may be promoted to a higher rank in the secret services.

5. As his manager, draft the letter detailing his personality traits with reference to the instance in the chapter as a prime example of Ausable's genius.
You may begin this way:
22, rue Nationale
Paris
26 March' 78
The General Director
Department for Internal Security
11-A, Rue de Dunkerque
Paris
Subject: Letter of Recommendation
This is to state that Monsieur Ausable has been a committed employee with us for the past two years. In this time, he has ......(continue).......
Yours sincerely
ABC

6.A new secret agent has asked Ausable's opinion on the traits they should be looking for in a person filling in his shoes. Create a conversation between Ausable and the new agent about indispensable traits that a secret agent must have.

7.You are Sakshi/Saksham, Hostel Warden, Radha Krishna Public School, Vrindavan, Uttar Pradesh. Write a letter to the Sales Manager, Bharat Electronics and Domestic Appliances Ltd., New Delhi, placing an order for fans microwaves, ovens and geysers that you wish to purchase for the hostel. Also ask for discount permissible on the purchase.

8. You are Priyanka. You visited The Green Gardens Resort during the holidays. Write a paragraph for your school magazine about why the place attracted you.

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Class 10 SECTION (A+B)

CHEMISTRY

Q.1 (i)Arrange the following metals in the decreasing order of chemical reactivity; placing the most active first. Cu, Mg, Fe, Na, Ca, Zn.
(ii)Give two metallurgical facts that justify placing magnesium above iron in the activity series.

(iii)Name two metals that occur in a free state nature. What is the method of refining them?

Q.2
(i)In metallurgy what do the terms gangue, Ores, stand for? Give examples.
(ii) In metallurgy, what does the term 'Roasting' stand for?
(ii) Name the by- product formed during roasting and give one of its uses.

Q.3

Explain the formation of an ionic compound between a metal and a non- metal by transfer of electrons with Mg as the metal and chlorine as the non �metal to illustrate your answer. Give the reaction that occurs.

Q.4

$Zn + H_2O$ (Steam) A + B

In the above equation (A) and (B) are

1. Zn & H_2
2. Zn ,H_2 & O_2
3. ZnO_2 & O_2
4. ZnO & H_2

Q.5 Ionic bond is formed between –

1. Two electropositive elements
2. Two electronegative elements
3. Electropositive & electronegative elements
4. None of these

Q.6

Which of the following method is not used in purification of metals ?

1. Calcinations
2. Liquation
3. Distillation
4. None of these

Q.7 Write the chemical equation of chemical reaction of zinc metal with the following –

1. H_2SO_4
2. H_2O
3. O_2

Social science Works
INDIAN SCHOOL

1.Define sustainable development.

2.Distinguish between rabi and kharif crops on the basis of-

   A. Sowing month
   B. Month of harvesting
   C. Crops grown
   D. Major producing states

3. Which incident made Mahatma Gandhi to call off the Rowlatt satyagraha movement?

4.How is tertiary sector different from other sectors. Give examples.

5. State two agreements through which federations have been formed. Give an example of each.

6. Map Work :-

A.Identify the largest producer states of the following Crops and write their names on the lines marked.
1. Sugarcane
2. Tea
3. Coffee
4. Rubber
5. Cotton
6. Jute

B. Locate and label the following Indian National Congress Sessions on the given political outline of India with appropriate symbols:

(i) Calcutta Session (Sept. 1920)

(ii) Nagpur Session (Dec. 1920)

(iii) Madras Session (1927)

(iv) Lahore Session (1929)

7. What does the history of developed countries indicate about the shifts that have taken place between the sectors ?

8. Explain the three measures taken by Sri Lanka as per the Act passed in 1956.

9. What is Human Development Index?

10. Write a note on The Greek war of independence.

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Monthly Assignment

Class:_10_   Subject: _maths_   Submission Date (in subject notebook): _____

Q1. Section A

1. The HCF and LCM of two numbers is 9 and 459 respectively. If one of the number is 27, then the other number is

a. 153 b. 150

c. 459 d. 135

2. What is the numberx? The LCM of x and 18 is 36. The HCF ofx and 18 is 2.

a. 1

b. 3

C. 2

d. 4

3. The HCF and LCM of two numbers are 9 and 90 respectively. If one number is 18, then the other number is

a. 54   b. 36

c. 45   d.63

4. If the LCM of two numbers is 45 times their HCF and the sum of LCM and HCF is 1150, then HCF (1) a. 50 b. 45 C 1150 d 25

5._____   is neither prime nor composite.

a.   4

b.   1

c.   2

d.   3

7.   All   non-terminating   and   non-recurring   decimal numbers   are

a.   rational   numbers

b.   irrational   numbers

c.   integers

d.   natural numbers

8.   The   HCF   of   two   consecutive   odd   numbers   is

a. 2

b. 0

c. 1

d. 3

9. The decimal expansion of ' pie ':

a. is non-terminating and non-recurring

b. is terminating

c. does not exist

d. is non-terminating and recurring

10.) 0.515115111511115............. is

a. a rational number

b. a prime number

c. an integer

d. an irrational number

Section B

1. Show that 2root3 is irrational.

2.The LCM of two numbers is 64699, their HCF is 97 and one of the numbers is 2231.
Find the other.

3.Find HCF and LCM of 625, 1125 and 2125 using fundamental theorem of arithmetic.

4.Express 0.16 (bar on 16) as a rational number in simplest form of p/q.

5. Find the HCF and LCM of 11008 and 7344 using fundamental theorem of arithmetic.

6. Express the given number as the product of its prime factors: 5005.

7. If-1 is a zero of the polynomial ftx) = x-7x-8, then calculate the other zero. (1) 11. Express 0.8 as a fraction in simplest form.

8. Prove that root2 is an irrational number. (3)

9. Prove that 4+5root2is an irrational number.

10. Amita, Suneha and Raghav start preparing cards for greeting each person of an old age home on new year. In order to complete one card, they take 10, 16 and 20 minutes respectively. If all of them started together, after what time will they start preparing a new card together? Why do you think there is a need to show elders that the young generation cares for them and remembers the contribution made by them in the prime of their life?

11. Three sets of physics, chemistry and mathematics books have to be stacked in such a way that all the books are stored topic wise and the number of books in each stack is the same. The number of physics books is 192, the number of chemistry books is 240 and the number of mathematics books is 168. Determine the number of stacks of physics, chemistry and mathematics books.

12. Find the simplest form of 69/92

13. Find the largest number which divides 546 and 764, leaving remainders 6 and 8 respectively.

14. Find HCF and LCM of 378, 180 and 420 by prime factorization method. Is HCF ,LCM of these numbers is equal to the product of the given three numbers?

15. A fruit vendor has 990 apples and 945 oranges. He packs them into baskets. Each basket contains only one of the two fruits but in equal number. Find the number of fruits to be put in each basket in order to have minimum number of baskets.