

## Video Links of following subjects FOR CLASS 11<sup>TH</sup>

Date 16/08/2020

Chemistry	<a href="https://www.youtube.com/watch?v=GQMPWgedHhI&amp;list=PLCzaIJYXP5Yft_6w2vOIwGw8JNh2MAc8&amp;index=1">https://www.youtube.com/watch?v=GQMPWgedHhI&amp;list=PLCzaIJYXP5Yft_6w2vOIwGw8JNh2MAc8&amp;index=1</a>
Math	<a href="https://youtu.be/xTMOzeWBZiM">https://youtu.be/xTMOzeWBZiM</a>
Biology	<a href="https://www.youtube.com/watch?v=UzdcQkfyWDE">https://www.youtube.com/watch?v=UzdcQkfyWDE</a>
Physics	<a href="https://youtu.be/KDHuWxy53uM">https://youtu.be/KDHuWxy53uM</a>
English	<a href="https://www.youtube.com/watch?v=UYnVv209BSk&amp;t=247s">https://www.youtube.com/watch?v=UYnVv209BSk&amp;t=247s</a>
Psychology	<a href="https://youtu.be/4QB1FwsApyE">https://youtu.be/4QB1FwsApyE</a>
BST	<a href="https://www.youtube.com/watch?v=CyvVaKGI0H4">https://www.youtube.com/watch?v=CyvVaKGI0H4</a>
Account	<a href="https://youtu.be/JhTKnUb31L4">https://youtu.be/JhTKnUb31L4</a>
Economics	<a href="https://youtu.be/2BqFpSN4IsE">https://youtu.be/2BqFpSN4IsE</a>
Political SCIENCE	<a href="https://youtu.be/rAIW72VuiWU">https://youtu.be/rAIW72VuiWU</a>
Geography	<a href="https://youtu.be/999ngrj_BHM">https://youtu.be/999ngrj_BHM</a>
Physical education	<a href="https://youtu.be/T3Z9LagGgZk">https://youtu.be/T3Z9LagGgZk</a>
IP	<a href="https://youtu.be/dDgSI38zQgg">https://youtu.be/dDgSI38zQgg</a>
COMPUTER SCIENCE	<a href="https://youtu.be/aLD5gjLjQdl">https://youtu.be/aLD5gjLjQdl</a>
History	<a href="https://youtu.be/tAtMP3QcZwg">https://youtu.be/tAtMP3QcZwg</a>
Painting	<a href="https://www.youtube.com/watch?v=W0haEYIy6bo">https://www.youtube.com/watch?v=W0haEYIy6bo</a>
LEGAL	<a href="https://www.youtube.com/watch?v=loyYNsqoZrU&amp;t=59s">https://www.youtube.com/watch?v=loyYNsqoZrU&amp;t=59s</a>

# SUBJECT PHYSICS

## CLASS XI

Q1

Find the angle between the vectors  $A \vec{=} \hat{i} + 2\hat{j} - \hat{k}$  and  $B \vec{=} -\hat{i} + \hat{j} - 2\hat{k}$ .

Q2

Prove that the vectors  $A \vec{=} \hat{i} + 2\hat{j} - 3\hat{k}$  and  $B \vec{=} 2\hat{i} - \hat{j}$  are perpendicular to each other.

Q3

Find the value of  $\lambda$  so that the vectors  $A \vec{=} 2\hat{i} + \lambda\hat{j} + \hat{k}$  and  $B \vec{=} 4\hat{i} - 2\hat{j} - 2\hat{k}$  are perpendicular to each other.

Q4

If the magnitudes of two vectors are 3 and 4 and their scalar product is 6 then the angle between the two vectors.

Q5

A body constrained to move along the z – axis of a coordinate system is subjected to a constant force  $F \vec{}$  given by  $(F) \vec{=} -\hat{i} + 2\hat{j} + 3\hat{k}$  newton where  $\hat{i}$ ,  $\hat{j}$  and  $\hat{k}$  represent unit vectors along x-, y-, and z axis of the system respectively. Calculate the work done by the force in displacing the body through a distance of 4 m along the z axis.

Q6

A force of  $7\hat{i} + 6\hat{k}$  newton makes a body move on a rough plane with a velocity of  $3\hat{j} + 4\hat{k}$  ms<sup>-1</sup> calculate the power.

Q7

Three vectors  $A \vec{}$ ,  $B \vec{}$ , and  $C \vec{}$  are such that  $A \vec{=} B \vec{+} C \vec{}$  and their magnitudes are 5, 4 and 3 respectively.

Find the angle between  $A \vec{}$  and  $C \vec{}$ .

Q8

If  $A \vec{+} B \vec{=} (A) \vec{-} B \vec{}$  find the angle between  $A \vec{}$  and  $(B) \vec{}$

Q9

If vectors  $P \vec{}$ ,  $Q \vec{}$  and  $R \vec{}$  have magnitudes 5, 12 and 13 units and  $P \vec{+} Q \vec{=} R \vec{}$  find the angle between  $Q \vec{}$  and  $R \vec{}$ .

Q10

Determine the angle which the vector  $A \vec{=} 5\hat{i} + 0\hat{j} + 5\hat{k}$ , makes with X-, Y-, and Z- axes.

Class 11

Geography

Topic....Drainage

1. Explain with diagram or picture
  - a. Drainage system
  - b. Drainage basin
  - c. Catchment area
  - d. Watershed
  - e. Drainage patterns – dendritic, radial, trellis, centripetal.

## PSYCHOLOGY

**DURATION: 2HRS**

**(VERY SHORT QUESTION: 1MARK)**

- 1) Learning may be defined as “anyrelatively permanent change in behaviour orbehaviouralpotential produced by\_\_\_\_\_.
- 2) Changes due topractice and experience, which are \_\_\_\_\_, are illustrative of learning.
- 3) \_\_\_\_\_changes that occur due tolearning are relatively permanent.
- 4) Suppose in the vicinity of yourresidence a marriage is being performed. Itgenerates a lot of noise, which continues tilllate night. In the beginning, the noise distractsyou from whatever you are doing. You feeldisturbed. While the noise continues, youmake some \_\_\_\_\_ reflexes.
- 5) Orienting reflexesbecome weaker and weaker, and eventuallybecome undetectable. This is also one kind ofbehavioural change. This change is due tocontinuous exposure to stimuli. It is called \_\_\_\_\_.
- 6) learning is an \_\_\_\_\_ process.
- 7) \_\_\_\_\_ is a person’s observed behaviour or responseor action.
- 8) Behavioural change due to fatigue and is temporary. It is not considered \_\_\_\_\_.
- 9) The simplest kind of learning iscalled \_\_\_\_\_.
- 10) Founder of behaviourism was\_\_\_\_\_.

**(SHORT QUESTION: 3 MARKS)**

- 11) What is the meaning of the word learning?List the distinguishing features of learning.
- 12) How is learning different from performance?
- 13) Using an appropriate example, explain orienting reflexes.
- 14) “*Learning involves a sequence ofpsychological events*”, justify this statement.
- 15) “*Learning is an inferred process*”, justify this statement.

**VIDEO LINK: <https://youtu.be/4QB1FwsApyE>**

**East Point Public School**  
**Vasundhra Enclaves New Delhi-96**  
**Class 11**  
**Chapter-7**  
**Assignment-2**

Write the answer of following questions questions not more than 80 words carry 3 mark.

1. How did Italian city revive in 14<sup>th</sup> century Europe?
2. What major changes had come in the university education system in renaissance period?
3. What is the significance of word humanism ?
4. Why periodisation is important in history?
5. Describe the different scientific elements in the work of sixteenth century Italian artists.?
6. How did translating of Arabic and Greek book infuse the knowledge of science and logic in Europe?
7. Compare the aspiration for women expressed by a woman ( federal) and by a man (Castiglione) . Did they have only women of a particular class in mind ?
8. What were the issues on which the Protestants criticised the Catholic Church?
9. Which elements of Greek and Roman culture were revived in the 14<sup>th</sup> and 15<sup>th</sup> centuries?
10. Compare details of Italian architecture of this period with Islamic architecture.

**SUBJECT ENGLISH**  
**Assignment of Speech**  
**SPEECH WRITING**

A Speech is a formal talk that a person delivers to his audience. It must have the capacity to hold the attention of the audience with a proper choice of words, expressions and examples. At the same time care should be taken not to deviate from the main subject. You must keep in mind that it is a speech and you need to begin the draft with addressing the audience and conclusion should be with a sentence thanking the audience.

◆ Remember:

WHO you are writing the speech for (i.e., who your audience is).

WHAT your speech is going to be about (its topic) and the main points in order of importance.

◆ Note:

It is important to note that the written speech should consist of small sentences having not more than 10 to 12 words in a sentence.

◆ Value Points:

- Greet your audience and introduce the topic you are speaking on.
- The introduction part of the speech is the most important part.
- It is this part which decides the impact of the speech.
- Do not give a separate title for the speech.
- Keep in mind, as already stated, the occasion of the speech and the nature of the audience.
- The introduction should not be very lengthy.
- The main topic should be taken up as quickly as possible.
- Use concrete terms and tangible examples.
- Avoid abstract phrases which are quite vague.
- Use simple and familiar language.
- The conclusion plays a very important role in the success of a speech.
- Give your own conclusion on the topic in a telling manner.
- Marking scheme is the same as for the Article.
- Write 'Thank you' at the end of your speech.

Q .You are Rajendra Kumar, a social worker. You read an article in The Hindu on 'Health Care for Indian Workers'. Write a speech in 125-150 words on the importance of health care to be delivered at a public function to create awareness among the workers. (Delhi 2014)

Health Care for Indian Workers

It is indeed unfortunate that despite the fact that the Indian workers form a majority of the population the health care available to them is by far most lacking.

Good morning everyone! I, Rajendra Kumar, am a social worker and I have come before you all to talk about the importance of health care for Indian workers.

I strongly feel that a coherent and sustainable plan that addresses the health care needs of Indian workers is strikingly absent. In spite of substantial economic growth in India, its benefits have not been inclusive and our country still faces large disparities in terms of health care of

workers. This inequity in health care access across demographic segments within the population needs to be tackled. It is an acknowledged fact that out of pocket health expenditure caused due to lack of access to adequate public health care is preventing a large section of our workforce from not only climbing above the poverty line but also pushing a large section of their lot below the line.

The need of the present time is for us, the general public, to put pressure on our respective political representatives and hold them accountable so that they take improvement in health care for Indian workers as a top priority.

Thank you!

### Questions for practice

1. After the rainy season is over, mosquitoes start breeding. They cause malaria, dengue, chikungunya, etc. These diseases can sometimes prove to be fatal. As Principal of your school you have decided to deliver a speech on protection from mosquitoes. Write that speech in 120 to 150 words.
2. Sakshi Malik won a bronze medal in Rio Olympics. Every Indian felt proud of her. You, Head girl of your school want to deliver a speech in order to express your feelings. Write a speech in 120 to 150 words.

Apart from your own ideas use the following clues:

Wrestling mostly a male sport- Sakshi born in conservative surroundings-most unfavourable gender ratio for females-parental encouragement-one can't forget the look of determination on her face in the last three minutes of the bout.

## Assignment

### Class - XI

#### IP

- . (i) How is DELETE statement different from DROP statement in MySQL? 1
- (ii) A table "Students" has 3 columns and 4 rows in it. What is its degree ? What is its cardinality? What will be its cardinality if 5 rows are added in the table?
- (iii) Define- Primary Key, Alternate Key, DML
- (iv) . Create a table -VOTER with following structure and Insert at least four rows into it.
- Filed name Date Type/size
- Vno Integer(4)
- Vname Varchar(30)
- Age Integer(3)
- Address Varchar(30)
- Phone Double(16)
- (v) Write the SQLs for the followings:
- (a) To list Vno, Vname, Age for all the voters. This information should be sorted on Age.
- (b) To list all the voters where address is "Guwahati"
- (c) To add one new column named VGender datatype char(1) .
- (d) To list voters where address is "Delhi" but age between 20 and 30.
- (e) To delete the records of all those voters who are either residing in "Delhi" or whose Age >35.
- (f) To change the age to 45 where Vname contains the word "Kumar".

Video link

<https://youtu.be/dDqSI38zQgg>



**Class-XI**  
**Computer science**  
**Assignment**

I.VERY SHORT ANSWER: -

1. Identify and write the name of the module to which the following functions belongs:

i) randint() ii) floor()

2. Which of the following are not valid identifier names?

i) pass ii) if iii) break iv) none

3. What is the difference between interactive and script mode in python?

4. Rewrite the following code in python after removing all the syntax errors. Underline each correction done in the code.

```
a,b = 2
```

```
While a%b = 0
```

```
a+=10
```

```
b+=2
```

```
Else:
```

```
print('End')
```

5. Which of the following is/are not a valid operator in python?

i) -= ii) or iii) => iv) =!

6. What will be the output of the following code?

```
A='8'
```

```
print(A*5+str(int(A)*2))
```

7. How are keywords different from identifiers?

8. Predict output of the following code:

```
A=[12,45,78,45,234]
```

```
B=len(A)
```

```
for i in range(0,B,2):
```

```
print(i)
```

9. What do you understand by string slices?

10. Which of the following are not valid operations in python?

i. Slicing a list

ii. Concatenation of a list and a tuple

iii. Slicing a dictionary

iv. Adding an element to an existing tuple

Video link

<https://youtu.be/aLD5gjLjQdl>

1. Which part of the flower is highly modified stem?

(a) Androecium (b) thalamus (c) gynoecium (d) sepal

2. The ovary is half inferior in flowers of

(a) Sunflower (b) lemon (c) mustard (d) pea

3. Among bitter gourd, mustard, brinjal, pumpkin, china rose, lupin, cucumber, sunhemp, gram, guava, bean, chilli, plum, petunia, tomato, rose, withania, potato, onion, aloe and tulip how many plants have hypogynous flower?

a) Six      b)Ten      c)Fifteen      d)Eighteen

4. Make floral diagram of families Liliaceae and Solaneaceae.

5. Which whorl represent the male reproductive parts of flower?

6. How is staminode and fertile stamen different? Differentiate with examples between diadelphous and polyadelphous cohesion of stamens.

**EAST POINT SCHOOL**  
**ASSIGNMENT 6(2020-21)**  
**SUBJECT – PAINTING (PRACTICAL)**  
**CLASS – XI**

**TOPIC-SKETCHING**

**Sketches** are typically created as preliminary drawings in order to prepare for a more finished work of art. Sketches are typically created with quick marks and are usually lacking some of the details that a finished drawing may have. A sketch may serve a number of purposes: it might record something that the artist sees and also it might record or develop an idea for later use. Sketches can be made in any drawing medium.

**Rapid Sketching** is an exercise to get our hands to move quickly in a limited time.

**EXERCISE**

Make sketches of some human figures and some objects by watching and observing them lively. Minimum ten sketches to be done in pencil or pen

**THINGS TO REMEMBER WHILE YOU DRAW**

1. Focus on the overall shape instead of the details.
2. Use a gentle amount of pressure.
3. Observe the size and proportion.
4. Focus on anatomy while you are drawing human figures.

## **BUSINESS STUDIES**

### **CHAPTER-9 INTERNAL TRADE**

Q1. What is meant by internal trade?

Q2. Itish runs an electronics retail outlet in Kalkaji market, New Delhi. He stocks an extensive variety of goods so as to provide a wider choice to the buyers. Being an electronic engineer himself he understands the fundamentals of electronic goods very well. Therefore, he is able to explain to the customers about the new technologies very well. This helps them to take appropriate purchase decisions. In Context of the above case:

- (a) Identify the various types of retailing services Itish is providing to his customers.
- (b) Also, mention any two other services provided by a retailer to his customers which are not mentioned above.
- (c) Also, mention any two services that he must be extending to the wholesalers as well.

Q3. Ajay is a trader dealing in low cost fashionable footwear. In order to sell his merchandise he opens his shop on fixed days in different markets. In context of the above case:

- (a) How would you classify Ajay as a type of retailer?
- (b) Name the category of the type of retail trade as identified in part (a) of the question under which he should be placed.
- (c) Also, briefly explain any three other types of retailers which fall in the same category as Ajay as identified in part(a) of the question.

Q4. Prakirtii Ltd. is a well known company dealing in all kinds of organic products. The company sells its products through a chain of outlets located in well populated areas, which is in the vicinity of residential areas for the convenience of the customers across the country. All the branches of the company are under the control of the head office. In context of the above case:

- (a) Identify and explain the type of retail outlet being described in the above lines.
- (b) State any four other features of the type of retail outlet as identified in part (a) of the question besides the one which has been mentioned in the paragraph.

Subject political science  
Class XI

Local Government- Revision Assignment

- Q1 Explain the provisions of 73rd and 73rd amendment?
- Q2 What do you understand by Local Government?
- Q3 Explain the difficulties faced by the local government.
- Q4 List the subjects given in the 11th Schedule.
- Q5 Discuss the growth of women after decentralisation

**ECONOMICS ASSIGNMENT  
CLASS XI**

1. Perfect competition is an industry with
  - A) a few firms producing identical goods.
  - B) many firms producing goods that differ somewhat.
  - C) a few firms producing goods that differ somewhat in quality.
  - D) many firms producing identical goods.
  
2. In a perfectly competitive industry, there are
  - A) many buyers and many sellers.
  - B) many sellers, but there might be only one or two buyers.
  - C) many buyers, but there might be only one or two sellers.
  - D) one firm that sets the price for the others to follow.
  
3. In perfect competition, the product of a single firm
  - A) is sold to different customers at different prices.
  - B) has many perfect complements produced by other firms.
  - C) has many perfect substitutes produced by other firms.
  - D) is sold under many differing brand names.
  
4. In perfect competition, restrictions on entry into an industry
  - A) do not exist.
  - B) apply to labor but not to capital.
  - C) apply to both capital and labor.
  - D) apply to capital but not to labor.
  
5. In perfect competition,
  - A) there are significant restrictions on entry.
  - B) each firm can influence the price of the good.
  - C) there are few buyers.
  - D) all firms in the market sell their product at the same price
  
6. What is the price line?
7. Write in brief the characteristics of a perfectly competitive market?
8. What is the relation between market price and average revenue of a price taking firm?

**ASSIGNMENT CLASS 11TH**  
**Physical Education**

- Q1. Write a brief note on the eight limbs of yoga.
- Q2. Describe the different types of asanas in detail.
- Q3. Discuss how yogic kriya can cleanse the human body.
- Q4. Write and five benefits of Vrikshsana.
- Q5. Briefly explain Tadasana and shashankasana.

**Yoga**

- Q1. What do you mean by Yoga Etymology?
- Q2. What is the aim of Yoga?
- Q3. Briefly explain about the objectives of yoga.
- Q4. Explain the history of yoga in detail.
- Q5. Define Yoga.

## CLASSXI

### ASSIGNMENT on Linear Inequalities

Solve the following system of Inequalities graphically:

1.  $x+2y \leq 10$  ,  $x+y \geq 1$  ,  $x-y \leq 0$  ,  $x \geq 0$  ,  $y \geq 0$

2.  $3x+2y \leq 150$  ,  $x+4y \geq 80$  ,  $x \leq 15$  ,  $x \geq 0$  ,  $y \geq 0$

3.  $4x+3y \leq 60$  ,  $y \geq 2x$  ,  $x \geq 3$  ,  $x \geq 0$  ,  $y \geq 0$

4.  $x-2y \leq 3$  ,  $3x+4y \geq 12$  ,  $x \geq 0$  ,  $y \geq 0$

5. Solve  $-5 \leq \frac{2-3x}{4} \leq 9$

6. Solve  $2(2x+3) - 10 < 6(x-2)$

7. Solve  $\frac{5x}{4} + \frac{3x}{8} > \frac{39}{8}$

8. Find all pairs of consecutive odd positive integers ,both of which are smaller than 18, such that their sum is more than 20.

9. Find all pairs of consecutive even positive integers ,both of which are larger than 8, such that their sum is less than 25.

10. In the first four paper each of 100 marks. Rishi got 95,72,73,83 marks. If he wants an average of greater than or equal to 75 marks and less than 80 marks. Find the range of marks he should score in the fifth paper.



CBSE TEST PAPER-01

CLASS - XI CHEMISTRY (Structure of Atom)

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**Topic:-Discovery of Sub - Atomic Particles**

Marks: 20

1. Name the sub – atomic particles of an atom. [1]
2. Name the scientist who first formulated the atomic structure. [1]
3. What is the  $e/m$  ratio of an electron? [1]
4. What is the charge ( $e$ ) of an electron? [1]
5. What is the mass ( $m$ ) of an electron? [2]
6. (i) What is the mass of a proton? [1]  
(ii) What is the charge of a proton? [1]
7. (i) What is the mass of a neutron? [1]  
(ii) What is the charge of a neutron? [1]
8. Which experiment led to the discovery of electrons and how? [2]
9. Give the main properties of canal ray experiment. [2]

**ASSIGNMENT 1**  
**CLASS XI - ACCOUNTANCY**

**TOPIC: JOURNAL WITH GST**

- 1. Pass Journal entries in the books of Mr. Rishabh of Punjab assuming, CGST and SGST @ 9% each and IGST @ 18%.**

Date

- Jan 1 Paid into bank for opening current account with Rs. 1,00,000
- Jan 2 Purchased goods for cash with list price of Rs. 2,00,000 less 10% trade discount from Ganesh of Delhi.
- Jan 3 Bought goods from M/s Aryan (Punjab) of the list price Rs. 5,000 less 10% trade discount.
- Jan 4 Sold goods costing Rs. 80,000 to M/s Aman & Sons. (Kolkata) at a profit of 25% on cost less 10% trade discount.
- Jan 7 Goods costing Rs. 20,000 returned by M/s Aman & sons.
- Jan 8 Goods having list price of Rs. 1,000 returned to M/s Aryan (Punjab)
- Jan 9 Paid for advertisement Rs. 3,000
- Jan 10 Paid salaries Rs. 50,000
- Jan 11 Received commission Rs. 20,000
- Jan 12 Purchased Machinery for Rs. 30,000. Wages paid for installation of the machinery Rs. 1,000.
- Jan 13 Rent paid Rs. 20,000. Half of the building for which the rent was paid, is used by the proprietor for residential purpose.
- Jan 14 Received interest Rs. 2,000
- Jan 15 Depreciation charged on machinery Rs. 5,000
- Jan 16 Charity given Rs. 1,000
- Jan 17 Sold personal car of the proprietor for Rs. 1,50,000 against cheque, which was deposited into proprietor's personal account.
- Jan 18 Paid insurance premium Rs. 2,000
- Jan 19 Paid life insurance premium of Rs. 1,000
- Jan 20 Withdrawn from bank for office use Rs. 500

**ASSIGNMENT 2**  
**CLASS XI - ACCOUNTANCY**

**Topic: Ledger and Trial Balance**

1. From the following transactions of Gopal during the month of January 2018, pass Journal entries, prepare Ledger account and Trial Balance:
  - Jan 1 Commenced business with capital ₹ 1,00,000.
  - Jan 3 Bought goods from Ram ₹ 20,000
  - Bought goods from Mohan ₹ 9,000
  - Jan 7 Returned goods to Ram ₹ 2,000
  - Jan 9 Sold goods to Sohan of list price ₹ 15,000 less 10% Trade discount
  - Jan 11 Paid to Ram ₹ 17,500 in full settlement of his account
  - Jan. 12 Paid salary ₹ 2,000 and rent ₹ 1,500.
  - Jan. 18 Withdrew cash ₹ 2,000 and goods for ₹ 1,000 by Gopal for personal use.
  - Jan. 20 Paid Mohan ₹ 8,800 and received discount ₹ 200
  - Jan. 22 Sold goods to Amar of list price ₹ 10,000 less Trade discount and 2% cash discount. Amar paid 50% amount on the spot.
  - Jan 25 Bought Furniture from Amit ₹ 8,000
  - Jan. 28 Salary due but not paid ₹ 1,000.
  - Jan. 30 Goods worth ₹ 1,000 were distributed as free samples 500 given as charity.

## LEGAL ASSIGNMENT- XI

Q1. Explain the three important branches of public law.

Q2. Private or Civil law confers civil rights which are administered and adjudicated by civil courts. Explain?

Q3. Under the criminal law legislation in which law different kinds of offences are defined and punishments prescribed.