

# **Holiday Homework**

## **Class XII**

### **PHYSICS**

- Q.1 State and prove Gauss law and its applications.
- Q.2 Derive the expression of torque experienced by dipole and P.E. stored in it.
- Q.3 Derive capacitance of parallel plate capacitor when a dielectric slab of dielectric K and thickness t is introduced b/w the plates.
- Q.4 Derive the expression of Electrical energy stored in capacitor and energy density.
- Q.5 E.F. due to dipole at equatorial point.
- Q.6 Express the Wheat Stone Bridge and derive condition of balancing wheat stone bridge.
- Q.7 Write about potentiometer and draw diagram of it to determine the internal resistance of potentiometer.
- Q.8 Derive the expression of resistivity.
- Q.9 Derive the equipotential surface and write the relation b/w E.F. and potential.

### **CHEMISTRY**

- Q. Do all the exercise questions of organic chemistry from the NCERT book.

### **MATHEMATICS**

- Q. Do all the questions of M.S exercises of chapter- 2,3,4,10,11.

### **ENGLISH**

- Q.1 What are the things that adorn the walls of the classroom? Why does it have no significance to the children?
- Q.2 Why is the 'window' depicted as the world of the children?
- Q.3 What does Stephen Spender want for the children of the slum?
- Q.4 "... these windows not this map their world" What is the point being made by the speaker.

Q.5 “This is your last French lesson.” How does Franz react to this statement by his teacher?

Q.6 What is the significance of the title “Lost spring”?

Q.7 Bring out the elements of satire, irony and humour from the chapter ‘The Tiger King’.

Q.8 Why was Saheb unhappy working at the tea stall?

Q.9 You want to purchase an independent house in a posh area. Draft a suitable advertisement

under the classified column, “Accommodation Wanted”, giving your requirements.

Q.10 As a librarian of DAV school Delhi, write a letter to the Oxford book sellers, Agra placing an order for books, [mention at least four titles] to be supplied immediately.

## **BIOLOGY**

Q.1 Investigatory Project.

Q.2 Assignment from chapter 1 to 5.

Q.3 Model

## **COMPUTER**

1-Chapter 1 –revision of full chapter

2. Chapter 11 .Q. no. 12, 13, 14, 16, 20(solved)

Q.no.1, 6 (Unsolved)

3- Chapter 13 Q.no. 8,9,19,20,22,40 44.

Q.no. 6(e) 11(d) 16(d), 14(d)

## **PHYSICAL EDUCATION**

Q.1 Revise chapter 1&2.

Q.2 Prepare assignment of chapter 3 (YOGA).

Q.3 Write about the causes of diabetes and asanas for its prevention.

Q.4 Write about the causes of obesity and asanas for its prevention.

## Hindi

- 1- गद्य या पद्य के तीन जीवन परिचय (जो कक्षा में कराए गए हैं) याद करके लिखिए।
- 2- देवसेना का गीत, सरोज स्मृति, भरत-राम का प्रेम – तीनों कविताओं का सार लिखिए।
- 3- आपकी जिस व्यक्ति ने सर्वाधिक प्रभावित किया हो उसके व्यक्तित्व की विशेषताएँ लिखिए।
- 4- निबन्ध लिखिए- 1- भीड़ भरे बाजार का दृश्य 2- राष्ट्र निर्माण में विद्यार्थियों की भूमिका।  
– पढ़े हुए सभी पाठों के प्रश्नोत्तर याद कीजिए।