

D.A.V. PUBLIC SCHOOL
MANPUR, GAYA
Summer Vacation Home Work - 2015

Class – IX

I. English

(i) Literature Reader:-

- (a) How I Taught My Grandmother
- (b) A Dog Named Duke
- (c) The Brook
- (d) The Seven Ages

(ii) Practice Book:-

- (a) Complete unit 01, 02

(iii) Project Work:- Life And Works of William Shakespeare

II. Mathematics

(i) Real Numbers:-

- (a) Complete exercise 1A, 1B, 1C, 1D

(ii) Polynomials

- (a) Complete exercise 1(A), 1(B), 1(C), 1(D), 1(E), 1(F), 1(G), 1(H)
- (b) Prove that:- $x^3 + y^3 + z^3 - 3xyz = (x+y+z)(x^2+y^2+z^2-xy-yz-zx)$
- (c) If $(x+y+z) = 0$, prove that $x^3+y^3+z^3=3xyz$

(iii) Lines and Angles:

- (a) Prove that if a ray stands on a line then the sum of the adjacent angles so formed is 180.
- (b) Prove that the sum of all angles formed on the same side of a line at a given point on the line is 180° .

Project: Lab Manual – Activity – 01

III. Social Studies:-

History:- Learn and write question and answer of the French Revolution.

Democratic politics:- Democracy in Belgium, Poland, Myanmar changing democratic world map. Democratic institutions like – IMP General Assembly and Security Council.

Project:- Earthquake

IV. I L d r

i k B ; i l r d e

¼1½ अविवेक: परमापदाम् पदम् पाठ के सभी प्रश्नोत्तरों को लिखें व याद करें।

0; k d j . k e

¼1½ I f / k % & दीर्घ संधि, गुण संधि, वृद्धि और यण् संधि के दस-दस उदाहरणों को लिखें।

¼2½ क्त्वा, क्त, तुमुन् एवं ल्यप् प्रत्ययों के दस-दस उदाहरणों को लिखें।

I f j ; k t u k & d k ; !

अविवेक: परमापदां पदम् पाठ को चित्र के द्वारा स्पष्ट करें।

V. Computer:

- (i) Learn and revise question and answer of Chapter 1 & 2 (Multiple choice question, True/False, Fill in the blanks (Short/Long question answers)

- (ii) Write the answers of the questions on page number 54 (question no. – 15 to 33)

Project:- Input Devices (any five) give brief description with picture on a chart paper.

Or

Out devices (any three)

VI. fg !"

¼1½ क्षितिज:- "दो बैलों की कथा", 'ल्हासा की ओर', 'सखियाँ एवं सबद', 'वाख' तथा 'सवैये' पाठ के प्रश्नोत्तर लिखें तथा याद करें ।

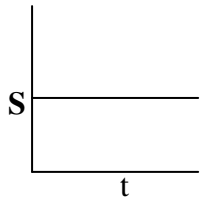
¼2½ कृत्तिका:- 'इस जल प्रलय में' पाठ के प्रश्नोत्तर लिखें और याद करें ।

¼#½ निबंध लिखें:- (क) स्वामी दयानन्द सरस्वती (ख) मेरे प्रिय कवि (ग) नैतिक पतन: देश का पतन

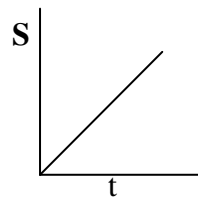
¼\$½ परियोजना कार्य:- प्रेमचन्द तथा कबिरदास की साहित्यिक जीवनी पर प्रकाश डालें ।

VII. Physics

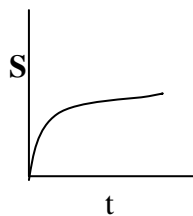
1. What is the nature of motion of a particle depicted by following displacement graphs?



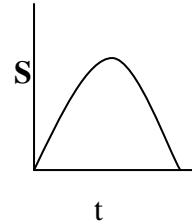
(i)



(ii)

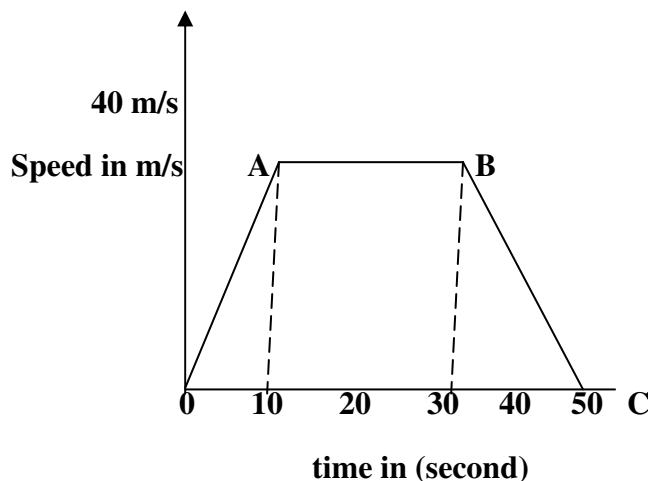


(iii)



(iv)

2. Study the speed time graph of a Card given below and answer the questions



- (a) What type of motion is represented by OA?
- (b) What type of motion is represented by AB?
- (c) What type of motion is represented by BC?
- (d) What is the acceleration of the Car from 0 to A?
- (e) What is the acceleration of the Car from A to B?
- (f) What is the retardation of the Car from B to C?

3. Derive $S = ut + \frac{1}{2} at^2$ graphically.

4. Do all questions (Exercise – Describing motion)

VIII. Chemistry:

- (a) Write and learn the question and answers from exercise including intext questions.
- (b) Define the following: - Boiling, Boiling point, Melting, Melting point, Vaporisation, Evaporation, Latent heat, condensation, Sublimation, Latent heat of fusion, Latent heat of vaporisation.
- (c) So how by an activity that compressibility in matter is different?
- (d) Project work:- In a paper file draw the arrangement of particles in solid, liquid and gas.