

THE PUNJAB PUBLIC SCHOOL, NABHA
WINTER HOLIDAYS HOMEWORK, 2018
SUBJECT: ACCOUNTS
CLASS: IX
SUBJECT: MATHMATICS

NOTE:- You are required to do the Home work in a separate note-book

1. Solve the question paper of your Terminal Examination (2018).
2. Use graph paper wherever required.
3. Solve the following questions:-

S NO.	Chapter No.	Questions
1	1	Ex-1(A) Q- 5,6,10 Ex-1(C) Q-3 (iii) (vii) Q-4(ii)(iv)
2	2	Ex-2(A) Q 2,3,5,6 Ex-2(B) Q-3,4
3	3	Ex-3(A) Q 3,4,6,8,13
4	4	Ex-4(A) Q-2(i),(iv), Q-5,8, Q-11(i),(ii)
5	5	Ex-5(B) Q-2,3,4,9,10
6	6	Ex-6(A) Q-2,8 Ex-6(B) Q-3 Ex-6(E) Q-2,5
7	7	Ex7(A) Q 1(All parts) 7(B) Q 1&4 (All parts)
8	9	Ex-9(A) Q-2,3,4,5
9	10	Ex-10(A) Q-2,4,6,9
10	13	Ex-13(A) Q-1,2,8,9
11	15	Ex-15 Q-4,11,17,20,24,32(ii)
12	17	Ex-17(A) Q-3,5,7
13	18	Ex-18(B) Q-2,3,,5
14	19	Ex-19(A) Q-3,5,7 Ex-19(B) Q-2,5
15	22	Ex-22(A) Q-1,3,12
16	23	Ex-23(A) Q-1(ii),(v) Q-2(i),(ii)
17	25	Ex-25 Q-1(iv) Q-2(iii)
18	26	Ex-26(A) Q-2(All parts) Ex-26(C) Q6(i) (ii) Q7(i)(ii)
19	27	Ex-27(B) Q-4,8

SUBJECT – PHYSICS

- Solve the terminal question paper.
- Do written practice of the following topics:
 - i. Graphical derivation of equations of motion

- ii. **Rate of change of momentum**
- iii. **Pressure exerted on a liquid column ($P=h\rho g$)**
- iv. **Up thrust exerted on a solid immersed in a liquid ($F_b= V\rho g$)**
- v. **Relation between volume of a solid to volume of the liquid displaced by solid**

$$\left(\frac{V}{V} = \frac{\rho_l}{\rho_s}\right)$$
- vi. **Ray diagrams for pair of plane mirrors**
- vii. **Ray diagrams for spherical mirrors**
- viii. **Relationship between frequency, wavelength and wave velocity for a wave**

SUBJECT – BIOLOGY

Q1 Write the full form of the following:

- (a) ATP (b) AIDS (c) WHO (d) NADPH (e) IRV

Q2 .Define the following;

- (a) Fermentation (b) Eutrophication (c) Hypoxia (d) Glycolysis

Q3. Give one word for the following.

- (i) The unit of respiration.
- (ii) The membrane covering the lungs.
- (iii) Joint between thigh bone and hip girdle.
- (iv) Diseases caused by deficiency of vitamin D
- (v) The organelles where Krebs cycle takes place.

Q4. Give reasons:

- (i) More energy released during aerobic respiration than anaerobic respiration.
- (ii) We should avoid using plastic bags.
- (iii) Small intestine is the longest part of the alimentary canal.

Q4: Differentiate between the following:

- (i) Saturated and unsaturated fats.
- (ii) Photosynthesis and respiration.
- (iii) Prokaryotic and Eukaryotic cell
- (iv) Maize seed and Bean seed.
- (v) Plant cell and animal cell.

Q5: Name the deficiency diseases of the following:

- (i) sodium (ii) calcium (iii) Iodine (iv) Iron (v) vitamin K

Q6 Explain the tests for following food stuffs.

- (i) starch (ii) sugar (iii) Fats

Q7. Explain the following with the help of graphic representation :

- (i) Gaseous exchange between lungs and tissue
- (ii) Cellular respiration

Q8 .Learn these chapters:

- (1) Pollination and fertilization
- (2) Digestive system

- (3) Cell
- (4) Respiration in plants
- (5) Skin

SUBJECT- CHEMISTRY

NOTE-Do your holiday homework in a separate notebook.

1. Learn valency chart and write at least 100 molecular formulae.
2. Learn periodic table including groups-1st, 2nd, 13th, 14th, 15th, 16th, 17th and 18th. Also write periodic table three times in your notebook.
3. Do written practice of all the numericals of "Study of gas laws".
4. Prepare the entire syllabus covered for the written test in 2nd week of January 2019.

SUBJECT: ENGLISH

Question 1: Write down summary of all the Scenes of Act I and Act II of The Merchant Of Venice.

Question 2: Write down summary of the following poems:

- The Heart of a tree
- The Cold Within
- Bangle Sellers
- After Blenheim

Question 3: Write down summary of the following stories:

- Chief Seattle's Speech
- Old man at the Bridge
- A horse and two Goats
- Hearts and Hands