

class-xi Holiday Home Work (Biology)

- 1) Choose the correct -
 - a) Gastric juice contains -
 - i) Pepsin, lipase and renin
 - ii) Trypsin, lipase and renin
 - iii) Trypsin, pepsin and lipase
- 2) How protein is digested in stomach?
- 3) How carbohydrate is digested in buccal cavity?
- 4) What is the source of HCl? Give its functions.
- 5) Name the source of enterokinase and mention its action.
- 6) What is the source of saliva? Mention its functions.
- 7) What are microvilli? State their functions.
- 8) How is fat digested in humans?
- 9) Give an account of various parts of alimentary canal?
- 10) Define Digestion. Briefly describe the process of digestion in small intestine.
- 11) Discuss the role of bile in digestion of food.
- 12) Describe the mechanism of absorption of fat in small intestine.
- 13) Describe the mechanism of absorption of

Kendriya vidyalaya karimganj
Holiday homework
CLASS XI: ECONOMICS

SECTION – A

- 1) What is random sample? 1
- 2) Name any two non sampling errors. 1
- 3) State the merits of sample survey over census survey. 3
- 4) Write a note on NSSO. 3
- 5) State the relation of statistics with economics. 4
- 6) Use the data given below related to marks obtained by 50 students in a class and answer the following questions 6
 - (i) Prepare a frequency distribution table using exclusive method
 - (ii) Find number of students securing marks (a) more than 30 (b) less than 19

33 52 10 25 53 55 11 42 47 34 47 21 39 25 32 19 10 16 41 36 15 30 27 59 30 14 6 17 40 49 52 54
40 31 45 24 30 34 52 36 12 16 19 40 42 3 6 44 26 45
- 7) Explain with examples any three types of continuous series. 6

SECTION – B

- 8) When was india's first official census operation undertaken? 1
 - 9) State one main cause of India's agricultural stagnation during the colonial period. 1
 - 10) Give a quantitative appraisal of India's demographic profile during the colonial period. 3
 - 11) Why was it necessary for a developing country like India to follow self reliance as a planning objective? 3
 - 12) What is green revolution? Why was it implemented and how did it benefit the farmers? State its demerits also. 6
 - 13) While subsidies are a huge burden on the government finances it encourages farmers to use new technology. Discuss the usefulness of subsidies in the light of this fact. 6
 - 14) Explain the classification of industries on the basis of IPR 1956. Why and how was the private sector regulated under the IPR 1956. 6
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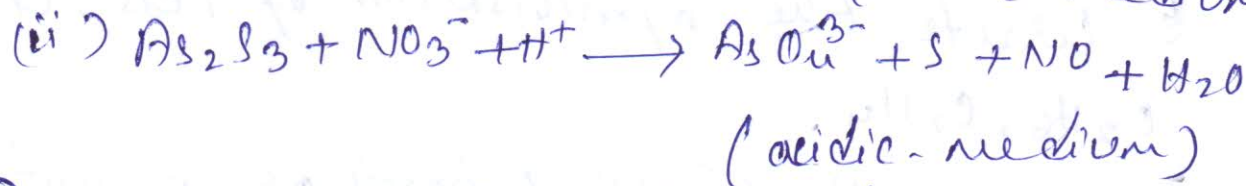
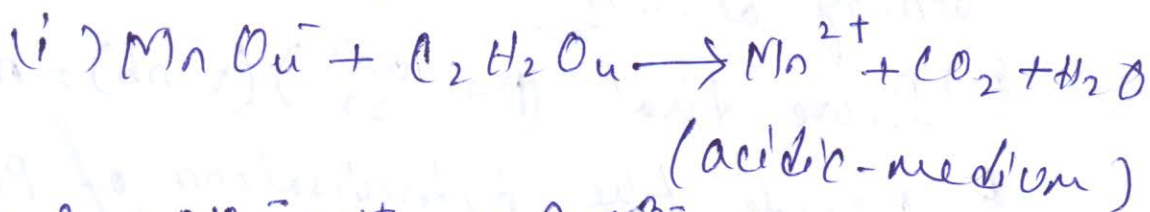
Class - XI

Sub: Chemistry

Holiday - Home-work

- ① What will be the minimum pressure required to compress 500 dm^3 of air at 1-bar to 200 dm^3 at 30°C ?
- ② Using the equation of state $PV = nRT$, show that at a given temperature density of a gas is proportional to gas pressure.
- ③ Pressure of 1 g of an ideal gas A at 27°C is found to be 2 bar. When 2 g of another ideal gas B is introduced in the same flask at same temperature the pressure becomes 3 bar. Find a relationship between their molecular masses.
- ④ Density of a gas is found to be 5.46 g/dm^3 at 27°C at 2 bar pressure. What will be its density at STP?
- ⑤ Prove that $(P + \frac{an^2}{V^2})(V - nb) = nRT$?
- ⑥ Write the hybridisation of PCl_5 , CF_3 , C_2H_6 , C_2H_4 .
- ⑦ How many σ and π bonds are present in C_2H_2 molecule?
- ⑧ Write the increasing order of bond-order of O_2 , O_2^- , NO , C_2 , CO , CO^- .

- 9) Write VSEPR of XeF_6 , XeF_4 .
- 10) What do you mean by bond-order.
- 11) Why electron gain enthalpy increases from left to right in a period?
- 12) Why hard-water do not form foams easily?
- 13) Which types of salts are present in hard-water?
- 14) What are the disadvantages of Mendeleev's periodic table?
- 15) Balance the eq^{ns}:



- 16) Write the MOT diagram of O_2 , N_2 , C_2 .
- 17) Although geometries of NH_3 and H_2O molecules are distorted tetrahedral, bond angle in water is less than that of ammonia. Discuss.

