

S. S. S 2

CHEMISTRY

1. State Le – Chatelier’s principle
2. Mention the factors that affect the equilibrium of a chemical reaction
3. Explain the properties of elements down the group and across the period

PHYSICS

1. A body is projected at an angle of 30° to the horizontal with a velocity of 10ms^{-1} . Determine the (a) time of flight (b) maximum height reached (c) range
2. Two forces of magnitudes 8N and 6N act on a body. Find the resultant force if the angle between them is (a) 0° (b) 180° (c) 90° (d) 60°

CHRISTIAN RELIGIOUS STUDIES

1. Give three differences and similarities between the accounts of the baptism of Jesus according to the synoptic gospels
2. Explain any four demands of discipleship

AGRICULTURAL SCIENCE

1. Explain the following terms (a) forest reserve (b) silviculture (c) deforestation (d) taungya system of farming
2. (a) What are crop diseases?
(b) Highlight the general effects of crop diseases

ENGLISH LANGUAGE

Write a letter to the area manager of the electricity company complaining about the effect of the power outage in your area (Not less than 400 words)

COMMERCE

1. Discuss in detail career opportunities in commerce
2. Discuss the factors to be considered when choosing a career.

ECONOMICS

1. Distinguish between effective ‘Demand’ and ‘Supply’.
2. What do you understand by the term ‘measures of central tendency’?
3. Calculate: (i) Mean (ii) Mode (iii) Median for following distribution:
8,5,10,2,6,12,20,40,10,6,11,5,10,1,5,12,4,12 and 11

BIOLOGY

1. Write an essay on the discoveries of microorganism and the various scientists (spiral bind before submission)
2. On a cardboard paper draw a compound microscope.

MATHEMATICS

1. With the use of mathematical tables, evaluate the following: (i) 7590×94.7 (ii) $98700 \div 56$ (iii) $\frac{70.74 \times 65000}{170.5 \times 305.4}$ (iv) $\frac{8900000^{\frac{1}{5}} \times 7.5^3}{90.5^{\frac{1}{3}}}$ (v) $\sqrt[3]{\left(\frac{76.58}{0.009523}\right)^2}$
2. (a) The 8th term of an A.P is 38 and the 12th term is 58, find the 30th term
(b) Yusuf has just secured a job in a big company as a clerical officer. His starting salary is N180000 per annum with annual increment of N2000. Determine his salary in the 20th year and find the total salary he would have earned in the first 20 years
3. (a) The second term of a G.P. exceeds the first term by 4 and the third term exceeds the second term by 12. Find the fourth term.
(b) In a G.P, the sum of the 3rd and the 4th terms is $-\frac{4}{3}$ and the sum of the 4th and 5th terms is $-\frac{4}{9}$ Determine the 20th.

GEOGRAPHY

1. On a sketch map of Nigeria, locate and name: (i) three savannah belts (ii) two forest belts (iii) One town in each of the belt in (i) and (ii) above (iv) One product of the forest belt
2. With the aid of diagrams, describe the mode of formation of the following erosional plains: (i) pediplain (ii) peneplain

GOVERNMENT

1. List and explain the formation of public opinion
2. How is public opinion determined and measured?

CIVICE EDUCATION

1. Identify and explain the need for popular participation.
2. Write short note on modern and traditional popular participation.