TIME ALLOWED: THREE HOURS	PART-I (MCQS)	MAXIMUM MARKS = 20
PART-I(MCQS): MAXIMUM 30 INUTES	PART-II	MAXIMUM MARKS = 80

NOTE:
   i.   **Part-II is to be attempted on the separate Answer Book.**
   ii. **Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH SECTION. ALL questions carry EQUAL marks.**

PART-II
SECTION-I

Q. No. 2
   a. Define the term malnutrition, elaborate its major causes and consequences.
   b. Differentiate between food contamination and adulteration.
   c. What are computer buses? Differentiate RAM and ROM?
   d. What are geo-stationary satellites? Distinguish natural & artificial satellites, how many artificial satellites of Jupiter are there?

Q. No. 3
   a. What is meant by the term double circulation? Briefly describe how the heart is adapted to keep blood flowing in a double circulation.
   b. Liver is a chief chemist. Comment.
   c. Comment, the greenhouse effect is a blessing. Also discuss enhanced greenhouse effect and its relation in global warming?
   d. Write a note on the following
       a) Working of GPS b) Working of Mobile Phone

Q. No. 4
   a. Differentiate between temperate and tropical cyclones.
   b. Differentiate star & planet. How a star becomes a black hole?
   c. Why do atoms form chemical bonds? Explain structure of water.
   d. What are conductors, semiconductors, metals, plastics, and ceramics? Give an example of each.

Q. No. 5
   a. What is Radioactivity? Differentiate between natural and artificial radioactivity.
   b. What is dengue fever? Discuss its causes, symptoms, modes of transmission, and preventive measures.
   c. Write the steps involved in Solid Waste Management. Discuss the main issues of Solid Waste Management in our country.
   d. What do you understand by the term Population Planning? Highlight the different benefits of Population Planning.

Q. No. 6
a. The sum of three consecutive prime numbers is 159, find the numbers.
b. The perimeter of a circle having a radius 6cm is equal to?
c. Find the present age of a man when then average age of the man, wife and their child 3 years ago was 27 and that of wife and the child 5years ago was 20years.
d. The sum of three numbers is 98. If the ratio of the first to the second is 2:3 and that of the second to the third is 5:8, then the second number is?

Q. No. 7
a. The sum of two numbers is 23, and product is 132. Find the numbers
b. 40% of a number is more than 20% of 650 by 190. Find the number?
c. A man buys a car for Rs.70million after getting a discount of 20%. What was the marked price of the car?
d. A number is increased by 10% and then decrease b 10%. The net change in the number is?

Q. No. 8
a. What will be the cost of building a fence around a square plot with area equal to 289 sq ft, if the price per foot of building the fence is Rs. 58?
b. The average monthly salary of 24 employees in an organization is Rs. 15000. If the manager's salary is added, then the average salary increases by Rs. 4000. What is the manager's monthly salary?
c. The percentage profit earned by selling an article for Rs. 1920 is equal to the percentage loss incurred by selling the same article for Rs. 1280. At what price should the article be sold to make 25% profit?
d. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

***** *We wish you Good Luck for CSS-2026*****