



**NATIONAL OFFICERS ACADEMY**  
**Mock Exams for CSS 2026**  
**October 2025(Mock-4)**  
**GENERAL KNOWLEDGE-I**  
**GENERAL SCIENCE AND ABILITY**

<b>TIME ALLOWED: THREE HOURS</b>	<b>PART-I (MCQS)</b>	<b>MAXIMUM MARKS = 20</b>
<b>PART-I(MCQS): MAXIMUM 30 INUTES</b>	<b>PART-II</b>	<b>MAXIMUM MARKS = 80</b>
<b>NOTE:</b>		
<b>i. Part-II is to be attempted on the separate Answer Book.</b> <b>ii. Attempt ONLY FOUR questions from PART-II by selecting TWO questions from EACH SECTION. ALL questions carry EQUAL marks.</b>		

**PART-II**  
**SECTION-I**

**Q. No. 2**

- a. "Data is the new oil." Do you agree? Justify with your simple opinion and 3 everyday examples.
- b. Universe is expanding, how it resembles with balloon blowing in working?
- c. What do you mean by a balanced diet? Deficiency of vitamins A, D and E can result into what type of imbalances in human body?
- d. Discuss working of GPS. What is fiber optic? How 2D & 3D locations are measured by satellites?

**Q. No. 3**

- a. Why cells form organelles? Discuss mitochondria in a human cell.
- b. What is doping? Discuss different types of semiconductors.
- c. State some of the merits and demerits of volcanic eruption.
- d. What is dengue? Discuss symptomatology, causative agents and remedies.

**Q. No. 4**

- a. Write a note on plant kingdom "Chlorophyll".
- b. Describe role of ribosomes in protein synthesis.
- c. Discuss different methods of Solid Waste Management.
- d. Define the terms:  
i) Biofuel      ii) Adulteration      iii) Hydrosphere      iv) Troposphere      v) Isotopes

**Q. No. 5**

- a. Pakistan is the fifth most populous country of the world. What are the causes of population explosion in Pakistan? What can be the control measures?
- b. What is remote sensing? Discuss role of GIS in environmental science
- c. "The Atmosphere is the blanket of Earth." Justify with your opinion.
- d. Define the following terms:  
i) Hydrometer      ii) Epicenter      iii) Eye wall of cyclone      iv) Deep focus      v) Light Year

**SECTION-II**

**Q. No. 6**

- a. A store has packets of candies in flavors Apple, Berry, Cherry and Date in the ratio 3 : 6 : 2 : 5. If Apple candies exceed Date candies by 35, how many Berry candies are there?
- b. A camera priced at 200\$ gets 25% off plus 6% tax. Calculate the total amount paid.
- c. A bicycle covers 36km at 18km/hr starting at 1pm. What time does it reach?
- d. Unscramble these math terms: i. STSTAICITS      ii. LGEBMAR

### **Q. No. 7**

- a. Calculate volume of a sphere with diameter 14cm. (Use  $\pi = 22/7$ )
- b. Five friends' total savings = 25,000 Rs, ratio 1:2:3:4:5. Find the smallest share.
- c. Spot the error/Complete the Series:
  - i. 2, 6, 18, 54, 162, 486 (Which number doesn't fit?)
  - ii. 3, 5, 7, 11, 13, \_\_\_\_
- d. A triangle with sides 5cm, 12cm, 13cm. Find all three angles.

### **Q. No. 8**

- a. A hiker walks a right triangle path (legs 7km & 24km). After one loop, goes 10km straight, turns 90° for 5km. Find Total distance walked by hiker and Distance from start?
- b. Six siblings share Rs. 9000.  $A = \frac{1}{2}B$ ,  $B = 3C$ ,  $C = 4D$ ,  $D = 2E$ ,  $E = F$ . Find each amount.
- c. A rectangular box is  $8m \times 6m \times 4m$ . Find total surface area and volume.
- d. In a family of 8, the men eat on average 72kg of food and women eat on an average 50kg of food. The men and women are equal in number. A hungry woman named Amna joined the family for dinner and the average consumption became 67. How much did Amna eat (in kgs)?

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*We wish you Good Luck for CSS 2026*