



NATIONAL OFFICERS ACADEMY
Online Test Series for CSS 2025
Jan.2025 (Test 5)-Final
GENERAL KNOWLEDGE-I
GENERAL SCIENCE AND ABILITY

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. "Artificial Intelligence is the new electricity." Justify with your opinion.
- b. CPU is brain of computer, how it resembles with human brain in working?
- c. What do you mean by a balanced diet? Deficiency of vitamins A, B and C can result into what type of imbalances in human body?
- d. Discuss working of optical fibers. What is GPS? How 2D & 3D locations are measured by satellites?

Q. No. 3

- a. Why atoms form chemical bonds? Discuss covalent bond in a water molecule.
- b. What is Doping? Discuss different types of Ceramics.
- c. State some of the merits and demerits of global warming.
- d. What is polio? What are the challenges in eradication of polio in Pakistan?

Q. No. 4

- a. Write a note on liver juice "Bile".
- b. Describe role of kidney in excretion.
- c. Discuss different methods of Solid Waste Management.
- d. Define the terms:
i) Anaemia ii) Appendicitis iii) Spleen iv) Myopia v) Isotones

Q. No. 5

- a. Climate finance is the key concern of developing countries to reduce global warming. What were the climate contributions pledged in past which need to cater in coming COP-30 in Brazil?
- b. Differentiate between Cyclones and Tornadoes, which cyclone was observed in 2024?
- c. It is said that we never know the worth of water till the well is dry. Suggest few measures to deal with the issues of water scarcity.
- d. Define the following terms:
i) Hypocenter ii) Epicenter iii) Eye wall of hurricane iv) Shallow focus v) Parsec

SECTION-II

Q. No. 6

- A) A boat having a length of 3m and breadth 2m is floating on a lake. The boat sinks by 1cm when a man gets on it. The mass of the man is?
- B) On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is?

- C) A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is?
- D) Rashid and Kamran are working on an assignment. Rashid takes 6 hours to type 32 pages on a computer, while Kamran takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

Q. No. 7

- A) Saqib took a loan of Rs. 1200 with simple interest for as many years as the rate of interest. If she paid Rs. 432 as interest at the end of the loan period, what was the rate of interest?
- B) A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is?
- C) If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?
- D) Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?

Q. No. 8

- A) The ratio between the length and the breadth of a rectangular park is 3:2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (in sq. m) is?
- B) 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?
- C) In a two-digit number, if it is known that its unit's digit exceeds its ten's digit by 2 and that the product of the given number and the sum of its digits is equal to 144, then the number is?
- D) The L.C.M. of two numbers is 48. The numbers are in the ratio of 2: 3. Then the sum of the number is?

We wish you Good Luck for CSS 2025