

National Officers Academy

Islamabad/Lahore/Rawalpindi

PMS Punjab

General Knowledge

a. Current Affairs: Candidates are expected to have updated knowledge of the current events, issues and developments. They are also expected to know the necessary historical perspective needed to understand these events. Candidates shall be examined in the following areas:

- (1) Pakistan's economic, social and political issues, regional disparities, water scarcity, Cyber laws.
- (2) Pakistan's relations with the neighbours.
- (3) Pakistan's relations with the Muslim world.
- (4) Pakistan and the UN, European Union and regional organizations (ECO, SAARC, SCO, ASEAN and ARF)
- (5) Pakistan's relations with the US, China, EU and Russia.
- (6) Global Issues like: international peace and security; economy, human rights; terrorism; food security, energy security; global warming; Nuclear issues including proliferation and security; international trade, trade regimes, Sustainable Development Goals; etc.
- (7) Relations with India, including Kashmir dispute.
- (8) Middle East and South West Asia issues.
- (9) Prominent personalities, opinion makers, NGOs, INGOs , Non-State Actors etc.
- (10) Globalization.
- (11) Evolving Socio-economic and Political situation in Pakistan and the world, important events.
- (12) Sports, Music, Culture, Literature.

b. Physical Sciences:

- (1) Basic information on the solar system, galaxies and the universe and knowledge of common terms used in astronomy.
- (2) Natural hazards and disasters e.g. earthquakes, cyclones, tsunamis etc. and disaster risk management.
- (3) Energy sources, both fossil fuels and renewable sources and their sustainable use.
- (4) Basics of Physics and Chemistry including atomic structures, chemical bondings, radiations, laws and Principles of Physics.
- (5) Materials, chemicals and their properties.
- (6) Minerals and their mining.

100 Marks

5

c. Biological Sciences:

- (1) Fundamentals of life forms e.g. cell structure, nucleus.
- (2) Bio-molecular structures like proteins, lipids, carbohydrates, enzymes etc. and their functions/properties.
- (3) Plant and animal life.
- (4) Human body, its parts, organs and their functions.
- (5) Common diseases, their causes, symptoms and treatment; vitamins, their sources and functions; vaccines, etc.

d. Environment Studies:

- (1) Eco-system, Biodiversity, climate change, water cycle, biosphere, rock types.
- (2) Atmospheric pollution, its types, sources, effects, Ozone depletion; Greenhouse effects, CFCs etc.
- (3) International Conventions/Regimes on Climate Change, Biodiversity, Wetlands, Desertification, Carbon Credits etc. and ongoing negotiations on Environment.
- (4) Water pollution types, sources, effects remedies; sustainable use of water; recycling; waste management.

e. Food Sciences:

- (1) Diet and essential compounds for health.
- (2) Quality of food, preservation, problems relating to deterioration of fruits and vegetables; adulterations.
- (3) Food security, global issues concerning hunger etc.

f. Computer Science & Information Technology:

- (1) Fundamentals of hardware and software.
- (2) Data processing, knowledge of MS Word, Excel and Power Point.
- (3) Networking, e-mails, social media.
- (4) Basics of telecommunication including GPS, Fiber Optics etc.

g. Basic Mathematics:

- (1) Quantitative reasoning and problem solving.
- (2) Basic Arithmetics, Algebra, Geometry; problems relating to averages, ratios, percentages, geometric figures; sets; equations; areas of figures etc.
- (3) Logical reasoning and analytical reasoning through problem solving, number series, analogies, relationships, etc.
- (4) Mental Mathematics.
- (5) Arithmetical Problems relating to time and work, distance and speed, age, directions etc.
- (6) Basic statistics.

h. General:

- (1) Famous scientists and their claim to fame.
- (2) Famous inventions, discoveries, scientific laws, theories and postulates.
- (3) Units and instruments of measurement.