ABC International School

Class X – Mixed Question Paper

Normal MCQs + MTF (Match the Following) MCQs (ANSWERS)

Name: _____

Class: _____ Section: _____

Roll no.: _____

SET A

Questions: **12**
Duration: **45min**

Programming & Technology

Mixed questions: MTF-MCQ matching + Normal MCQ about programming and technology

1. *How many of the following are correctly matched?*

i. Python	-	Data science and AI
ii. JavaScript	-	Web frontend development
iii. SQL	-	Database queries

   A. Only i and ii   **B.** Only ii and iii
   C. All three *   **D.** None

2. *How many of the following are incorrectly matched?*

i. HTML	-	Styling web pages
ii. CSS	-	Markup language
iii. PHP	-	Server-side scripting

   A. Only i   **B. Only i and ii ***
   C. Only ii   **D.** All three

3. *Which programming language is primarily used for web frontend development?*
   A. Python   **B. JavaScript ***
   C. C++   **D.** Java

   Explanation:
   JavaScript is the primary language for client-side web development, running in browsers to create interactive user interfaces.

4. *What does API stand for in software development?*
   A. Application Programming Interface *
   B. Advanced Programming Implementation
   C. Automated Program Integration
   D. Application Process Interface

   Explanation:
   API stands for Application Programming Interface, which defines how different software components should interact with each other.

Geography & World Knowledge

Mixed questions: MTF-MCQ matching + Normal MCQ about geography and world knowledge

5. *How many of the following are correctly matched?*

   i. France   -   Paris
   ii. Japan   -   Beijing
   iii. Australia -   Canberra
   iv. Brazil   -   Brasília
   v. Egypt   -   Cairo

   A. i, iii and iv only
   B. i, iii, iv and v only *
   C. ii, iii and v only   D. All five

6. *How many of the following are incorrectly matched?*

   i. India   -   New Delhi
   ii. China   -   Shanghai
   iii. Russia   -   Moscow
   iv. Canada   -   Ottawa
   v. Mexico   -   Guadalajara

   A. Only ii   **B. Only ii and v ***
   C. Only v   D. None

7. *Which is the largest continent by area?*

   A. Africa   **B. Asia ***
   C. North America   D. Europe

   Explanation:
   Asia is the largest continent, covering about 30% of Earth's total land area and containing about 60% of the world's population.

8. *The Amazon River primarily flows through which country?*

   A. Colombia   B. Peru
   C. Brazil *   D. Venezuela

   Explanation:
   While the Amazon River originates in Peru and flows through several countries, the majority of its length (about 60%) flows through Brazil.

Science & Chemistry

Mixed questions: MTF-MCQ matching + Normal MCQ about science and chemistry

9. *How many of the following are correctly matched?*

   i. Gold   -   Au
   ii. Silver   -   Ag
   iii. Iron   -   Fe
   iv. Copper   -   Cu
   v. Lead   -   Pb
   vi. Mercury   -   Hg
   vii. Tin   -   Sn
   viii. Zinc   -   Zn

   A. All eight *   B. Seven only
   C. Six only   D. Five only

10. *How many of the following are incorrectly matched?*

    i. Hydrogen   -   H
    ii. Helium   -   He
    iii. Lithium   -   Li
    iv. Carbon   -   Ca
    v. Nitrogen   -   N
    vi. Oxygen   -   O
    vii. Fluorine -   F
    viii. Neon   -   Ne

    A. None   **B. Only one ***
    C. Only two   D. Only three

11. *What is the chemical formula for water?*

    A. **H2O** *   B. CO2
    C. NaCl   D. CH4

    Explanation:
    Water is composed of two hydrogen atoms bonded to one oxygen atom, giving it the molecular formula H2O.

12. *Which of the following is a noble gas?*

    A. Oxygen   B. Nitrogen
    C. **Argon** *   D. Carbon

    Explanation:
    Argon is a noble gas (Group 18 element) that is chemically inert under normal conditions due to its complete electron shell.

    * * * * **END** * * * *