**Professional Skills Project Questions**

Business & Tourism

No Prior Knowledge – Multiple Choice

* Which of the following best describes what a career in tourism and hospitality entails?
  + a) Managing and marketing businesses that provide products and services for travellers and tourists
  + b) Building and designing tourist attractions and theme parks
  + c) Providing medical care for travellers and tourists
  + Correct Answer: a) Managing and marketing businesses that provide products and services for travellers and tourists
* What is sustainable tourism?
  + a) Tourism that encourages travellers to engage in activities that harm the environment
  + b) Tourism that ignores the impact on local communities and their cultures
  + c) Tourism that promotes responsible and ethical practices to protect the planet's natural resources
  + Correct Answer: c) Tourism that promotes responsible and ethical practices to protect the planet's natural resources
* What is the role of technology in the tourism industry?
  + a) To discourage travellers from visiting certain destinations
  + b) To replace human workers in the travel industry
  + c) To enhance the customer experience and streamline business operations
  + d) To increase the environmental impact of tourism
  + Correct Answer: c) To enhance the customer experience and streamline business operations

No Prior Knowledge – Matching Words

Match the following terms to their definitions:

* Sustainable tourism
* Entrepreneurship
* Leadership

a) The process of starting and running a business venture in the travel industry

b) The ways in which tourists can visit and enjoy a destination without negatively impacting its environmental, cultural, or social resources

c) The ability to inspire, motivate, and guide others towards a common goal or vision

Correct Answers:

* Sustainable tourism - b) The ways in which tourists can visit and enjoy a destination without negatively impacting its environmental, cultural, or social resources
* Entrepreneurship - a) The process of starting and running a business venture in the travel industry
* Leadership - c) The ability to inspire, motivate, and guide others towards a common goal or vision

Prior Knowledge – Multiple Choice

* What is the main difference between a tourist and a traveller?
  + a) A tourist stays in a hotel, while a traveller stays in a hostel
  + b) A tourist follows a set itinerary, while a traveller prefers to explore independently
  + c) There is no difference between a tourist and a traveller
  + Correct Answer: b) A tourist follows a set itinerary, while a traveller prefers to explore independently
* What is the role of marketing in the tourism industry?
  + a) To encourage tourists to visit destinations and purchase tourism products and services
  + b) To limit the number of tourists visiting destinations to protect local cultures
  + c) To provide customer service to tourists
  + Correct Answer: a) To encourage tourists to visit destinations and purchase tourism products and services
* Which of the following is an example of sustainable tourism practices?
  + a) Building a resort in a protected nature reserve
  + b) Using renewable energy sources in hotels and other tourism businesses
  + c) Promoting mass tourism to a previously unexplored area
  + Correct Answer: b) Using renewable energy sources in hotels and other tourism businesses

Sport

No Prior Knowledge – Multiple Choice

* What is the main goal of sports science?
  + a) To study the history of sports and athletic events
  + b) To improve athletic performance through research and data analysis
  + c) To design sports equipment and gear
  + Correct Answer: b) To improve athletic performance through research and data analysis
* What is kinesiology?
  + a) The study of how the human body moves and functions during physical activity
  + b) The study of the cultural and social impact of sports on society
  + c) The study of the design and construction of sports facilities
  + Correct Answer: a) The study of how the human body moves and functions during physical activity
* What is sports medicine?
  + a) The study of the economic and financial aspects of sports and athletic events
  + b) The study of sports psychology and mental preparation for athletic competitions
  + c) The prevention, diagnosis, and treatment of injuries related to sports and physical activity
  + Correct Answer: c) The prevention, diagnosis, and treatment of injuries related to sports and physical activity

Prior Knowledge – Multiple Choice

* What is the role of a sports agent?
  + a) To represent athletes in contract negotiations with teams and sponsors
  + b) To design and implement training programs for athletes
  + c) To coordinate and organize sporting events and competitions
  + Correct Answer: a) To represent athletes in contract negotiations with teams and sponsors
* What is sports psychology?
  + a) The study of how the human body moves and functions during physical activity
  + b) The study of the history and evolution of sports
  + c) The study of the mental and emotional factors that affect athletic performance
  + Correct Answer: c) The study of the mental and emotional factors that affect athletic performance
* What is sports journalism?
  + a) The study of the cultural and social impact of sports on society
  + b) The practice of reporting on and writing about sports and athletic events
  + c) The study of the economic and financial aspects of sports and athletic events
  + Correct Answer: b) The practice of reporting on and writing about sports and athletic events

Life Sciences & Chemistry

No Prior Knowledge – Multiple Choice

* What is biology?
  + a) The study of the structure and function of matter
  + b) The study of the behaviour and mental processes of living organisms
  + c) The study of the natural world and the organisms that inhabit it
  + Correct Answer: c) The study of the natural world and the organisms that inhabit it
* What is chemistry?
  + a) The study of the natural world and the organisms that inhabit it
  + b) The study of the behaviour and mental processes of living organisms
  + c) The study of the structure and function of matter
  + Correct Answer: c) The study of the structure and function of matter
* What is genetics?
  + a) The study of the natural world and the organisms that inhabit it
  + b) The study of the behaviour and mental processes of living organisms
  + c) The study of heredity and the passing of traits from parents to offspring
  + Correct Answer: c) The study of heredity and the passing of traits from parents to offspring

No Prior Knowledge – Matching Words

Match the following terms to their definitions:

* Photosynthesis
* Atom
* Mutation

a) The basic unit of matter consisting of a nucleus, protons, neutrons, and electrons

b) A genetic alteration in DNA that results in a change in an organism's characteristics

c) The process by which plants convert sunlight, water, and carbon dioxide into oxygen and sugar

Correct Answers:

* Photosynthesis - c) The process by which plants convert sunlight, water, and carbon dioxide into oxygen and sugar
* Atom - a) The basic unit of matter consisting of a nucleus, protons, neutrons, and electrons
* Mutation - b) A genetic alteration in DNA that results in a change in an organism's characteristics

Prior Knowledge – Multiple Choice

* Which of the following is the basic unit of life?
  + a) Atom
  + b) Molecule
  + c) Cell
  + Correct Answer: c) Cell
* What is the role of enzymes in biochemical reactions?
  + a) They provide energy to the reaction
  + b) They act as catalysts to speed up the reaction
  + c) They store genetic information for the reaction
  + Correct Answer: b) They act as catalysts to speed up the reaction
* What is the difference between prokaryotic and eukaryotic cells?
  + a) Prokaryotic cells are larger than eukaryotic cells
  + b) Prokaryotic cells have a nucleus, while eukaryotic cells do not
  + c) Eukaryotic cells have membrane-bound organelles, while prokaryotic cells do not
  + Correct Answer: c) Eukaryotic cells have membrane-bound organelles, while prokaryotic cells do not

Prior Knowledge – Matching Words

Match the following terms to their definitions:

* Mitosis
* Acid
* Protein

a) A type of biomolecule made up of long chains of amino acids that performs a wide variety of functions in cells

b) The process by which a single cell divides into two identical daughter cells

c) A molecule that donates hydrogen ions and has a pH lower than 7

Correct Answers:

* Mitosis - b) The process by which a single cell divides into two identical daughter cells
* Acid - c) A molecule that donates hydrogen ions and has a pH lower than 7
* Protein - a) A type of biomolecule made up of long chains of amino acids that performs a wide variety of functions in cells

Tech & IT

No Prior Knowledge – Multiple Choice

* What is cloud computing?
  + a) A way of storing data on personal computers
  + b) A network of computers that can be accessed remotely over the internet
  + c) A type of computer hardware
  + Correct Answer: b) A network of computers that can be accessed remotely over the internet
* Which of the following is an example of an operating system?
  + a) Microsoft Word
  + b) Google Chrome
  + c) MacOS
  + Correct Answer: c) MacOS
* What is the difference between hardware and software?
  + a) Hardware refers to the physical components of a computer, while software refers to the programs that run on the hardware
  + b) Hardware refers to the programs that run on a computer, while software refers to the physical components of a computer
  + c) Hardware refers to the type of computer, while software refers to the specific applications that can be run on it
  + Correct Answer: a) Hardware refers to the physical components of a computer, while software refers to the programs that run

Prior Knowledge – Multiple Choice

* What is the difference between RAM and ROM?
  + a) RAM is permanent and cannot be changed, while ROM can be altered
  + b) ROM is used for short-term storage, while RAM is used for long-term storage
  + c) RAM is volatile and temporary, while ROM is non-volatile and permanent
  + Correct Answer: c) RAM is volatile and temporary, while ROM is non-volatile and permanent
* What is the purpose of a compiler in programming?
  + a) To convert high-level language code into machine code
  + b) To convert machine code into high-level language code
  + c) To compress the code for faster execution
  + Correct Answer: a) To convert high-level language code into machine code
* What is an IP address?
  + a) A unique identifier assigned to a computer or device on a network
  + b) A tool used to encrypt and decrypt data
  + c) A protocol used for transferring files over the internet
  + Correct Answer: a) A unique identifier assigned to a computer or device on a network