

Uka Tarsadia University (Diwaliba Polytechnic)
Diploma in Environmental Engineering
Objective Type Questions (Occupational Health and Safety)

Unit 1

- 1) What other group of workers might be as susceptible to “brown lung” as textile workers?
 - a) carpenters/cabinet makers
 - b) farmers
 - c) hairdressers
 - d) police officers
- 2) Which of the following is a workplace injury that results in an employee missing time from work?
 - a) occupational injury
 - b) occupational illness
 - c) lost-time injury
 - d) workers compensation injury
- 3) Which mechanism has been found to be the most influential in terms of health and safety in the workplace?
 - a) inspection by the Ministry of Labour
 - b) the internal responsibility system
 - c) fines and penalties
 - d) industry self-regulation
- 4) Continuous work with such machines affects _____ and arms.
 - a) Hands
 - b) Nose
 - c) Ear
 - d) Leg
- 5) _____ is defined as the study of how people work in their environment.
 - a) Hazard
 - b) Ergonomics
 - c) Risk
 - d) Impact
- 6) Ergonomics used for
 - a) process of designing or arranging workplaces, products and systems

- b) mitigate the risks from these hazards
 - c) responsibility
 - d) none of above
- 7) _____ is any source of potential damage, harm or adverse health effects on something or someone
- a) Risk
 - b) Responsibility
 - c) Work
 - d) Hazard
- 8) Personal safety is an individual's ability to go about their everyday life free from the threat or fear of _____harm from others.
- a) Chemical
 - b) Psychological
 - c) Economic
 - d) None of above
- 9) _____ is important because when you're doing a job and your body is stressed by an awkward posture or repeated movement your musculoskeletal system is affected.
- a) Ergonomics
 - b) Hazard
 - c) Work
 - d) Responsibility
- 10) Chemicals to enter the body is through direct contact with the _____or eyes.
- a) Nose
 - b) Ear
 - c) Skin
 - d) Leg
- 11) _____ into the bloodstream may then allow the chemical to cause toxic effects on other parts of the body.
- a) Absorption
 - b) Absorber
 - c) Sensitive
 - d) Effective
- 12) Respiratory tract is the most common route of entry for _____ , vapours, particles, and aerosols
- a) Droplet
 - b) Gases
 - c) Area
 - d) None of above

- 13) Over _____ may include headaches, increased mucus production and eye, nose and throat irritation.
- a) Exposure
 - b) Knowledge
 - c) Skill
 - d) Effort
- 14) Volatile _____ materials should be used in a well-ventilated area, preferably a fume hood, to reduce the potential of exposure.
- a) Hazardous
 - b) Non-hazardous
 - c) Vapour
 - d) Infective
- 15) _____ tract is another possible route of entry for toxic substances.
- a) BlueBay disease
 - b) Gastrointestinal
 - c) Cholera
 - d) Hypothesis
- 16) OSHA was created to _____
- a) Data analysis
 - b) To reduce hazards
 - c) Ecological development
 - d) EIA analysis
- 17) _____ is the amount of a material, given all at once, which causes the death of 50% of a group of test animals.
- a) LD₅₀
 - b) LC₅₀
 - c) Hazard
 - d) Absorption
- 18) Threshold Limit Values and Biological Exposure Indices are developed as guidelines to assist in the control of _____ hazards.
- a) Health
 - b) Worker
 - c) Operator
 - d) Consumer
- 19) _____ and Biological Exposure Indices are developed as guidelines to assist in the control of health hazards.
- a) Threshold Limit Values
 - b) Lethal dose
 - c) Lethal concentration
 - d) None of above

- 20) What is STEL?
- a) long term exposure limit
 - b) short term exposure limit
 - c) state term experience loss
 - d) none of above
- 21) _____ is a way of storing data to facilitate quick parsing of that data.
- a) TLV (Threshold Limit Value)
 - b) STEL (short term exposure limit)
 - c) Lethal dose
 - d) Exposure
- 22) Excessive noise and heat are examples of _____ hazards.
- a) Physical
 - b) Occupational
 - c) Chemical
 - d) Biological
- 23) _____ is so fine that it will almost unnoticeably penetrate into the mouth and accumulate in the throat.
- a) Dust
 - b) Bag
 - c) Air
 - d) Gas
- 24) Epidemiological investigations were performed in England in the _____.
- a) 1878
 - b) 1967
 - c) 1950
 - d) 1678
- 25) _____ lung disorders have been defined as diseases of lung arising out of or in course of employment.
- a) Physical
 - b) Occupational
 - c) Biological
 - d) Chemical
- 26) Ramazzini the father of occupational medicine who first described breathless among handlers of grains in _____.
- a) 1713
 - b) 1877
 - c) 1977
 - d) 1655

- 27) Pneumoconiosis was group of lung disease caused by _____ of dust that are breathed in and deposited deep in lungs causing damage.
- a) Inhalation
 - b) Skin contact
 - c) Irritation
 - d) None of above
- 28) Asbestos is diffuse interstitial fibrosing disease of lung that is directly related to _____ and duration of exposure.
- a) Light
 - b) Intensity
 - c) Uv rays
 - d) Oxygen
- 29) Sign of asbestosis is _____ of repetitive end respiratory crackles.
- a) Presence
 - b) Absence
 - c) Beneficial
 - d) Adverse
- 30) _____ is the most abundant compound in earth's crust.
- a) Carbon
 - b) Silica
 - c) Nitrogen
 - d) Oxygen
- 31) Occupational lung diseases are work-related, lung conditions that have been caused or made worse by the materials _____ is exposed to within the workplace.
- a) Person
 - b) Material
 - c) Information
 - d) Data
- 32) _____ is a respiratory disease that can begin or worsen due to exposure at work and is characterized by episodic narrowing of the respiratory tract.
- a) Cholera
 - b) Asthma
 - c) Fever
 - d) None of above
- 33) _____ used at the place of work may be dispersed into the air to form dust, mist, fumes, gas or vapour and can then be inhaled.
- a) Chemicals
 - b) Skill
 - c) Data
 - d) Information
- 34) _____ may also be absorbed through the skin if it is wetted by for instance sweat.
- a) Water
 - b) Air

- c) Dust
 - d) Chemical
- 35) Harmful effects of chemical substances depend on the _____ and the exposure to that chemical.
- a) Toxicity
 - b) Vapour Dust
 - c) Data
- 36) smaller the _____ is the deeper it will penetrate into the lungs with the inhaled air, thereby passing the defensive systems of the lungs.
- a) Particle
 - b) Dust
 - c) Air
 - d) Inhalation
- 37) Fumes are formed when a metal is heated above its _____ point and its vapours condense into very fine, particles.
- a) Cooling
 - b) Melting
 - c) Boiling
 - d) None of above
- 38) _____ is the ability of a substance to produce an unwanted effect when the chemical has reached a sufficient concentration at a certain site in the body.
- a) Toxicity
 - b) Vapour
 - c) Dust
 - d) Fume
- 39) _____ container of an acid is much more hazardous than a closed container of the same material.
- a) Dry
 - b) Open
 - c) Close
 - d) Wet
- 40) Ingestion of _____ materials may occur as a result of eating in a contaminated work area.
- a) Toxic
 - b) Flammable

- c) Non toxic
- d) None of above

- 41) _____ that contact the eye and the skin may be either absorbed into the body or cause local effects.
- a) Inhalation
 - b) Absorption
 - c) Toxic
 - d) Dry
- 42) Spilling acid on your hand will cause _____ harm.
- a) Immediate
 - b) Never
 - c) Close
 - d) None of above
- 43) Exposure can be classified as _____ or acute.
- a) Exposure
 - b) Chronic
 - c) Effective
 - d) Non hazardous
- 44) Maximum airborne concentration of a biological or chemical agent to which a _____ may be exposed at any time.
- a) Worker
 - b) Stakeholder
 - c) Farmer
 - d) None of above
- 45) _____ can be absorbed through the skin into the bloodstream.
- a) Exposure
 - b) Chemical
 - c) Reagent
 - d) Physical
- 46) _____ effects appear immediately after exposure to high levels of a toxic substance and may be treatable.
- a) Acute
 - b) Hazardous
 - c) Non hazardous
 - d) Flammable
- 47) Cancer is a chronic effect as lung scarring caused by _____ dust.
- a) Alumina
 - b) Silica

- c) Carbon
 - d) Charcoal
- 48) work tasks should be designed to limit exposure to _____ risk factors.
- a) Ergonomics
 - b) Skin disease
 - c) Allergy
 - d) Fume
- 49) Ergonomics can roughly be defined as the study of people in their working _____ .
- a) Economic
 - b) Environment
 - c) Physical
 - d) Chemical
- 50) _____ wants to provide information and education to allow any employee to avoid injury.
- a) Governor
 - b) Environmental health and safety
 - c) GPCB
 - d) None of above

Unit 2

- 1) _____ is the state in which the risk of harm by accident to persons.
- a) Safety
 - b) Work
 - c) Attitude
 - d) Place
- 2) Safety is generally interpreted as implying a real and significant impact on risk of death, or damage to property. a) Injury
- b) Risk
 - c) Skill
 - d) None of above
- 3) Safety is a concept that includes all measures and practices taken to _____ the life, health, and bodily integrity of individuals.
- a) Preserve
 - b) Accurate
 - c) Injury
 - d) Hazard
- 4) philosophy study of the fundamental nature of _____ and attitude that acts as guiding principle for behaviour.
- a) Behaviour

- b) Smell
 - c) Knowledge
 - d) None of above
- 5) Safety is _____ responsibility, not just the safety managers.
 - a) Everyone
 - b) Student
 - c) Worker
 - d) All of above
- 6) safety is defined as being able to show and employ one's self without fear of negative consequences of self-image, status or career.
 - a) Psychological
 - b) Social
 - c) Chemical
 - d) None of above
- 7) _____ are actions, emissions, events, conditions, or a combination that lead to an accident or incident.
 - a) Risk
 - b) Prevention
 - c) Causes
 - d) Skill
- 8) A _____ is fatally or seriously injured.
 - a) Car
 - b) Person
 - c) Truck
 - d) None of above
- 9) _____ training and education programmes should be held from time to time to train and educate employees, supervisor and workers.
 - a) Safety
 - b) Skill
 - c) Information
 - d) None of above
- 10) safety committee should be constituted in every _____ and factory.
 - a) House
 - b) Plant
 - c) Work
 - d) None of above
- 11) Organizations should also _____ and evaluate the workers at regular intervals.
 - a) Monitor
 - b) Repair
 - c) Share
 - d) Skill

- 12) Unsafe acts may be the result of lack of _____ or skill on the part of the employee, certain bodily defects and wrong attitudes.
- a) Knowledge
 - b) Innovative
 - c) Reuse
 - d) Recycle
- 13) when _____ is insufficient, physical or mental conditions of employee is not good and sometime due to wrong attitudes of the employee.
- a) Work
 - b) Skill
 - c) Safety
 - d) None of above
- 14) _____ is a sudden and unexpected occurrence in the industry which interrupts the orderly progress of the work.
- a) Accident
 - b) Skill
 - c) Information
 - d) Proponent
- 15) What is leading causes of work injuries by type of accident?
- a) Nervous
 - b) bodily reaction
 - c) Rehabit
 - d) None of above
- 16) What is the human factors that cause accidents?
- a) Inattention or distraction
 - b) Monitor
 - c) Work
 - d) Skill
- 17) What is types of accident?
- a) Industrial Diseases and Illness
 - b) Hazard
 - c) Control
 - d) Prevention
- 18) What is PPE in safety?
- a) PPE is equipment that will protect the user against health or safety risks at work. b) PPE work as reactive
 - c) It is worked as health hazard
 - d) None of above

- 19) _____ accidents such as car crashes and motorcycle wrecks are among the most common type of personal injury accidents.
- a) Information
 - b) Motor vehicles
 - c) Data
 - d) All of above
- 20) What is accident in safety?
- a) It is non hazardous
 - b) Accident, unexpected event, typically sudden in nature and associated with injury, loss, or harm
 - c) Inflammable
 - d) None of above
- 21) What is the factor responsible for accident?
- a) Increasing noise, heat
 - b) Voice
 - c) Information
 - d) None of above
- 22) Distracted _____ is the most common cause of road accidents.
- a) Skill
 - b) Driving
 - c) Data
 - d) None of above
- 23) _____ is main cause of accidents.
- a) Data error
 - b) Physical error
 - c) Human error
 - d) Chemical error
- 24) What is type of accident?
- a) Industrial Diseases and Illnesses
 - b) Climate change
 - c) Gas release
 - d) None of above
- 25) _____ accidents such as car crashes and motorcycle wrecks are most common accident.
- a) Riding
 - b) Motor vehicle
 - c) Blast
 - d) All of above
- 26) Accidents can cause physical, financial and mental effects for everyone involved.
- a) Illegal

- b) Traffic
 - c) Legal
 - d) None of above
- 27) _____ is an event that happens without being planned.
- a) Proponent
 - b) Hazard
 - c) Accident
 - d) Effect
- 28) _____ can refer to any event big or small, good or bad, intentional or unintentional. a) Incident
- b) Conditional
 - c) Unconditional
 - d) None of above
- 29) _____ cause factors include hazardous weather, volcanic ash, sand, dust, and birds.
- a) Physical
 - b) Chemical
 - c) Biological
 - d) Environmental
- 30) _____ of risk provides a calculated frequency of injuries and a measurement of the seriousness of the injury.
- a) Measurement
 - b) Map
 - c) Data
 - d) Information
- 31) Human factors are a major component of the causes of _____ in the workplace.
- a) Accidents
 - b) Risk
 - c) Work
 - d) Knowledge
- 32) _____ are generally agreed to be multicausal.
- a) Harm
 - b) Accidents
 - c) Work
 - d) None of above
- 33) Accidents in chemical plants occur is from improper maintenance of _____.
- a) equipment
 - b) work
 - c) stage

- d) knowledge
- 34) Safety management system should be fully _____ accessible, comprehensible to those that need to use it.
- a) Working
 - b) Hazardous
 - c) Documented
 - d) Improving
- 35) Why do we need safety?
- a) To reduce and minimize accident rate
 - b) To improve skill
 - c) To gathering data
 - d) None of above
- 36) What is basic principal of safety?
- a) Work
 - b) Education
 - c) Skill
 - d) None of above
- 37) All persons are required to use proper _____ while using grounds tools or machinery.
- a) Personal protective equipment
 - b) Personal hazard control
 - c) Safe working
 - d) None of above
- 38) Safety management is _____ identification system.

- a) Control
 - b) Hazard
 - c) Skill
 - d) None of above
- 39) Safety director is responsible for _____ programme.
- a) Working
 - b) Hazardous
 - c) Safety
 - d) None of above
- 40) Factories Act _____ to take care of the health and safety of its employees, covering the various manufacturing activities employed in the company.
- a) 1948
 - b) 1899
 - c) 1677
 - d) 1566
- 41) _____ is a continuous improvement process that reduces hazards and prevents incidents.
- a) Worker
 - b) Health issue
 - c) Safety management system
 - d) None of above
- 42) What are the principles of safety management?
- a) Identify and evaluate the severity and foreseeability of product hazards b) Evaluate risk
 - c) Hazard control
 - d) None of above
- 43) Project safety management is a rapidly growing alternative to the challenges of performing your project safety.
- a) Work
 - b) Self
 - c) Other
 - d) Group
- 44) Injury or death is a _____ when a construction worker climbs a ladder. a) Work
- b) Control
 - c) Risk
 - d) None of above
- 45) Primary objective of workplace safety is preventing workplace _____ , illnesses and fatalities.
- a) Injuries

- b) Hazard
 - c) Chemical spill
 - d) None of above
- 46) _____ management, States can manage their safety activities in a more disciplined, integrative and focused manner.
- a) Non hazardous
 - b) Working
 - c) Safety
 - d) All of above
- 47) Responsibilities of _____ with respect to safety management are clarified to ensure common understanding and expectations.
- a) Personal
 - b) Other
 - c) Group
 - d) None of above
- 48) _____ data and information are analysed to allow consideration of those risks related to variable human performance.
- a) Hazard
 - b) Accident
 - c) Safety
 - d) None of above
- 49) _____ the safety information to find out why the drift is happening helps to mitigate the safety risks.
- a) Analysing
 - b) Negotiate
 - c) Working
 - d) All of above
- 50) _____ is a key component of safety management and includes hazard identification.
- a) Safety audit
 - b) Safety risk management
 - c) Safety policy
 - d) None of above

Unit 3

- 1) What are examples of mechanical hazards?
- a) Flywheels
 - b) Vehicle

- c) Moving
- d) None of above

- 2) _____hazards are created as a result of either powered or manual use of tools, equipment or machinery and plant.
 - a) Physical
 - b) Chemical
 - c) Mechanical
 - d) None of above
- 3) How many types of hazard?
 - a) 6
 - b) 5
 - c) 7
 - d) 4
- 4) Act 1948 is a comprehensive piece of legislation covering all aspects relating to factories including approval, licensing and registration of factories.
 - a) Umbrella
 - b) Factory
 - c) Water
 - d) None of above
- 5) Number of _____employed therein is less than ten if working with the aid of power and less than twenty if working without the aid of power.
 - a) Vehicles
 - b) Pollution
 - c) Persons
 - d) None of above
- 6) occupier shall make an application to _____Government to get permission to declare different departments of a factory be treated as separate factories.
 - a) State
 - b) MOEF
 - c) NABL
 - d) None of above
- 7) _____ procedure provides guidelines for safely working around electrical hazards.
 - a) Hazard
 - b) Safety
 - c) Working
 - d) None of above
- 8) Specially designed PPE for electrical work includes _____ insulating gloves, matting, blankets, and covers.
 - a) Plastic
 - b) Rubber

- c) Steel
 - d) Wood
- 9) _____ used all electrical equipment before use.
- a) Clean
 - b) Inspect
 - c) Label
 - d) Organize
- 10) Gloves used for electrical protection must be electrically tested ever ____ .
- a) 3 months
 - b) 6 months
 - c) 12 months
 - d) Never
- 11) A Safety Electrical One Line Diagram should be used to _____ all sources of electrical energy.
- a) Identify
 - b) Castigate
 - c) Evaluate
 - d) Modify
- 12) The secondary of a current transformer must never be _____ while energized.
- a) Grounded
 - b) Opened
 - c) Examined
 - d) Shortened
- 13) Shock is defined as an abnormal condition of the body where:
- a) A broken bone has penetrated the skin
 - b) The lungs are unable to process oxygen properly
 - c) The muscles in the body have “frozen” and will not move
 - d) There is insufficient blood delivered to the body’s cells
- 14) Arc blast is caused by
- a) Poor contact within electrical wire splices
 - b) Radio frequency emissions from high-power transmitter
 - c) Discharge of high electrical current through open air
 - d) Failure to lock-out and tag-out electrical breakers
- 15) Current measurements are more dangerous to make with a multimeter than voltage measurements because:
- a) You must use both hands to take the measurement
 - b) Most multimeters are unfused
 - c) The resulting magnetic fields may be very strong
 - d) The circuit must be broken (opened)
- 16) Generally grounding is provided for

- a) only for the safety of the equipment
 - b) only for the safety of the operating personnel
 - c) both (A) and (B)
 - d) none of the above
- 17) Ground resistance should be designed such as
- a) grounding resistance should be as low as possible
 - b) grounding resistance should be as high as possible
 - c) grounding resistance should be always zero
 - d) none of the above
- 18) A person qualified to perform electrical work must possess:
- a) Skills/techniques to distinguish live parts from other parts of electrical equipment.
 - b) Skills and techniques to determine the nominal voltage of exposed live parts.
 - c) Knowledge on the use of PPE, insulating and shielding materials, and insulated tools.
 - d) All of above.
- 19) Electrical injuries are commonly caused by:
- a) Unsafe equipment or installations
 - b) An unsafe environment
 - c) Unsafe work practices.
 - d) All of the above
- 20) Current flow from hand to hand is called:
- a) Step potential
 - b) Touch potential
 - c) Amperage
 - d) None of the above
- 21) Probability of the event that might occur X Severity of the event if it occurs
- a) Accident
 - b) Hazard
 - c) Risk
 - d) None of the above
- 22) For household wiring and small units, the following should be _____ used for safety measure
- a) MCB
 - b) ACB
 - c) OCB
 - d) MCCB
- 23) The following is (are) used as safety device in machines
- a) Fail safe
 - b) Safety interlocks
 - c) Limit switches
 - d) All of the above

- 24) _____ use caution when working near electricity.
- a) Always
 - b) Never
 - c) Rarely
 - d) Sometimes
- 25) _____ is the flow of electrons around a circuit.
- a) Current
 - b) Electricity
 - c) Power
 - d) Voltage
- 26) _____ workers have little or no training working on or near electricity.
- a) Pipeline
 - b) Qualified
 - c) Rescue
 - d) Unqualified
- 27) Electrical hazards include shock, electrical arcs and blasts, and _____ or faulty equipment.
- a) Broken
 - b) Double-insulated
 - c) Polished
 - d) Secure
- 28) _____ is a measurement of how much energy you are using each second.
- a) Distance
 - b) Power
 - c) Volume
 - d) Weight
- 29) Avoid working in _____ conditions.
- a) Cold
 - b) Dry
 - c) Sunny
 - d) Wet
- 30) All electrical equipment before use.
- a) Clean
 - b) Inspect
 - c) Label
 - d) Organize
- 31) _____ gives a stray current somewhere to go and keeps workers from becoming part of the circuit.
- a) De-energizing
 - b) Energizing
 - c) Grounding
 - d) Guarding

- 32) _____ tools are encased in plastic and prevent the user from getting electrocuted if the tool develops a short circuit.
- a) Corded
 - b) Double-insulated
 - c) Green colored
 - d) Grounded
- 33) Specially designed PPE for electrical work includes _____ insulating gloves, matting, blankets, and covers.
- a) Plastic
 - b) Rubber
 - c) Steel
 - d) Wood
- 34) _____ is a source of energy to power devices.
- a) Electricity
 - b) Hazard
 - c) Work
 - d) Safety
- 35) Power sources are generally supplied by _____ found at hydroelectric, coal fired, or nuclear power plants.
- a) Energy
 - b) Wind
 - c) Generator
 - d) None of above
- 36) _____ energy is distributed by above or underground power lines for end use in home, commercial, and industrial applications.
- a) AC
 - b) DC
 - c) Other
 - d) None of above
- 37) Batteries in cell phones, lap tops, flashlights, Uninterruptable Power Supplies (UPS) or vehicles are sources of _____ current.
- a) AC
 - b) DC
 - c) Other
 - d) None of above
- 38) exposure to machinery and equipment hazards cannot be eliminated or substituted for machinery and equipment of improved _____.
- a) design
 - b) work
 - c) hazard
 - d) all of above
- 39) Separation is a simple and _____ machinery and equipment risk control.

- a) Advance
 - b) Effectively
 - c) Other
 - d) None of above
- 40) Machine has only one operator, the use of simultaneous two-handed operation buttons can serve as a _____ control.
- a) Operation
 - b) Hazard
 - c) Risk
 - d) Accident
- 41) _____ safety is a system of organizational measures and technical means to prevent harmful and dangerous effects on workers from electric current.
- a) Electrical
 - b) Physical
 - c) Chemical
 - d) Biological
- 42) Electricity can be either " _____ " or "dynamic".
- a) Illustrate
 - b) Static
 - c) Workable
 - d) None of above
- 43) Humans are more conductive than the earth which means if there is no other easy path, _____ will try to flow through our bodies.
- a) Electricity
 - b) Power
 - c) Illness
 - d) Hazard
- 44) _____ contact with exposed energized conductors or circuit parts.
- a) Indirect
 - b) Direct
 - c) Flow
 - d) None of above
- 45) Don't operate machinery when the _____ is not in workshop.
- a) Instructor
 - b) Operator
 - c) Worker
 - d) None of above
- 46) Legal requirement of owners to arrange periodic inspection, testing, and certificate for _____ installation.
- a) Mechanical
 - b) Electrical

- c) Physical
 - d) None of above
- 47) _____ hazards are those associated with power-driven machines, whether automated or manually operated.
- a) Mechanical
 - b) Chemical
 - c) Biological
 - d) None of above
- 48) A _____ occurs when a body part comes in contact with a sharp edge.
- a) Light
 - b) Work
 - c) Cut
 - d) All of above
- 49) _____ injuries occur when a part of the body is caught between hard surfaces that progressively move together.
- a) Crushing
 - b) Moving
 - c) Lighting
 - d) Working
- 50) Machine safeguarding is to minimize the risk of _____ of machine-operator contact.
- a) Risk
 - b) Accidents
 - c) Other
 - d) None of above

Unit 4

- 1) _____ is a rapid oxidation of material releasing heat, light and various chemical products.
- a) Fire
 - b) control
 - c) Work
 - d) Permeability
- 2) All material capable of an _____ oxidation reaction has to be considered as flammable.
- a) Endothermic
 - b) Exothermic
 - c) Reverse
 - d) None of above
- 3) _____ is usually available in sufficient quantities in our air to get a fire started and to sustain it.
- a) Nitrogen
 - b) Carbon

- c) Oxygen
 - d) Water
- 4) Fire can occur when flammable material, oxygen and sufficient ignition are available.
 - a) Energy
 - b) Wind
 - c) Power
 - d) None of above
 - 5) _____ depends on an atmosphere of a mixture of flammable material with oxygen.
 - a) Fire
 - b) Explosion
 - c) Boiling
 - d) None of above
 - 6) A fire hazard can harm workers and the public not only by causing burns but also by _____, fire gases, smoke.
 - a) Light
 - b) Power
 - c) Heat
 - d) All of above
 - 7) Sudden change in pressure can also affect pressure sensitive organs like _____ and lung.
 - a) Nose
 - b) Ear
 - c) Eye
 - d) None of above
 - 8) Ignition can be caused by _____, conduction and radiation.
 - a) Heat
 - b) Light
 - c) Convection
 - d) All of above
 - 9) Range between upper and lower explosion limit is called _____ range.
 - a) Flammable
 - b) Radiation
 - c) Heat
 - d) None of above
 - 10) Which type of fire extinguish do you use to fight an electrical fire if a carbon dioxide extinguisher is unavailable?
 - a) Water
 - b) Wet Chemical
 - c) Foam
 - d) Dry Powder

- 11) A water fire should be on fires started by which of the following materials?
- a) Materials such as gasoline that are highly flammable
 - b) Materials made up of combustible metals
 - c) Fires caused by electricity
 - d) Materials such as paper, textiles, wood and other solid materials.
- 12) What type of fire extinguisher would you use on a fire that is categorised as a Class F Fire?
- a) Carbon Dioxide Fire Extinguishers
 - b) Water Fire Extinguisher
 - c) Wet Chemical Fire Extinguisher
 - d) Dry Powder Fire Extinguisher
- 13) In the event of a fire, everyone is responsible for:
- a) Informing the supervisor of what is happening
 - b) Pulling the fire alarm if they see a fire
 - c) Making sure everyone gets to the fire assembly point safely
 - d) None of the above
- 14) After using a carbon dioxide fire extinguisher, the nozzle gets extremely cold. This is a sign that:
- a) You should not use it
 - b) It is safe to continue
 - c) The materials inside are running low
 - d) None of the above
- 15) Wood, plastic, paper and other solid materials are typically the culprits for _____.
- a) A Class F fire
 - b) A Class B fire
 - c) A Class A fire
 - d) A Class C fire
- 16) Which of the following sentence is true about dry powder fire extinguishers?
- a) You should avoid using them in confined spaces
 - b) They are the best choice for electrical fires
 - c) You should only use them in confined spaces
 - d) There is a black band above them
- 17) You should use a Dry Powder fire extinguisher in order to fight in an electrical fire, only in the event of _____.
- a) A carbon dioxide fire extinguisher is unavailable
 - b) A foam fire extinguisher is unavailable
 - c) You should never use a dry powder fire extinguisher on an electrical fire
 - d) A water fire extinguisher is unavailable
- 18) Who has the authority to pull the fire alarm after discovering a fire on the worksite?
- a) Only the manager can activate the fire alarm

- b) Anyone who has seen a fire can activate the fire alarm
 - c) Only the health and safety rep can activate the fire alarm
 - d) Only the owner can activate the fire alarm
- 19) What class of fire was a wet chemical fire extinguisher specifically designed to fight?
- a) Class A fires
 - b) Class D Fires
 - c) Class F Fires
 - d) Class B Fires
- 20) When fighting an electrical fire, which of the following should not be used?
- a) Water Fire Extinguisher
 - b) Foam Fire Extinguisher
 - c) Dry Powder Fire Extinguisher
 - d) Neither A nor B should be used.
- 21) Water fire extinguishers have a _____ located above them.
- a) Red coloured band
 - b) Blue coloured band
 - c) Black coloured band
 - d) Green Coloured band
- 22) At what point do you sound the fire alarm?
- a) After you try to extinguish it
 - b) As soon as you see it
 - c) After talking with your supervisor
 - d) After you grab all tools from the site
- 23) An example of two “Class B” fuels would be:
- a) Cardboard, newspapers
 - b) Lamp, hot plate
 - c) Grease, paint thinner
 - d) Plastic, wood
- 24) Carbon Dioxide extinguishers are designed for which types of fuels?
- a) Class B and C
 - b) Class A, B and C
 - c) Class A and C
 - d) Class A and B
- 25) The three elements of the fire triangle are:
- a) Water, a heat source, and fuel
 - b) Oxygen, water, and fuel
 - c) Oxygen, fuel, and a heat source
 - d) Fuel, oxygen, and earth
- 26) What are the risks of fire?
- a) Electricity, waste material

- b) Paper, plastic
 - c) Dust, paint
 - d) None of above
- 27) _____ occurs when a large amount of energy is released into a small volume of area in a very short time.
- a) Fog
 - b) Explosion
 - c) Fire
 - d) None of above
- 28) What is the mean of explosion?
- a) a violent expansion or bursting with noise, as of gunpowder or a boiler
 - b) suddenly heating
 - c) at high temperature boiling
 - d) none of above
- 29) Why fire is so dangerous?
- a) Fire is three triangles
 - b) It is heating
 - c) Fire is a chemical reaction that gives off light and heat
 - d) None of above
- 30) _____ types of fire can be extinguished by throwing sand or soil over it. 0
- a) Small
 - b) Big
 - c) Medium
 - d) None of above
- 31) What are Class K fires?
- a) Paint and varnish
 - b) Cooking oil and grease
 - c) Household item and waste
 - d) None of above
- 32) When heated, the vapour pressure of _____ and combustible materials may increase resulting in higher vapour emissions. a) Flammable
- b) High density
 - c) Low vapour
 - d) None of above
- 33) _____ may also deteriorate packaging and increase the risk of failure of the container and product loss.
- a) Light
 - b) Weight
 - c) Heat
 - d) None of above
- 34) _____ explosive is compound or mixture which upon application of heat and shock.

- a) Chemical
 - b) Mechanical
 - c) Biological
 - d) None of above
- 35) _____ is required to vaporize sufficient fuel molecules and to initiate the reaction.
- a) Wood
 - b) Heat
 - c) Plastic
 - d) None of above
- 36) Combustion process, a continued supply of fuel and _____ is required to replace that consumed by the reaction.
- a) Carbon
 - b) Hydrogen
 - c) Oxygen
 - d) Nitrogen
- 37) _____ combustion - fuel reacts with oxygen and both are completely consumed in the reaction to form new products.
- a) Complete
 - b) Incomplete
 - c) Reversible
 - d) Irreversible
- 38) combustion process generates heat as it progresses so this type of chemical reaction is called _____.
- a) endothermic
 - b) exothermic
 - c) irreversible
 - d) reversible
- 39) _____ gases are only produced once a coal seam is disturbed by mining and the released gas mixes with air.
- a) Flammable
 - b) Explosive
 - c) Reduction
 - d) Exothermic
- 40) Diluting gas that cannot be captured at _____ to high concentration rapidly to safe concentrations with ventilation air.
- a) Low
 - b) Medium
 - c) Other
 - d) None of above
- 41) How often should fire alarms be tested?
- a) Once a week
 - b) Once a year

- c) Once every 12 hours
 - d) Once a month
- 42) Who is responsible for carrying out fire risk assessments?
- a) HSE inspectors
 - b) Employees
 - c) Fire rescue service
 - d) Fire wardens
- 43) Why is it important to know the different classes of fire?
- a) Because some cause greater damage than others
 - b) Because some are less dangerous to a person's health
 - c) Because everyone in a workplace needs to fight fire
 - d) Because certain fires can only be fought with certain fire extinguishers
- 44) How many classes of fires are there?
- a) 2
 - b) 5
 - c) 7
 - d) 12
- 45) Class C fire involves what type of material?
- a) Paper
 - b) Chemicals
 - c) Electricity
 - d) Metals
- 46) Which is the only class of fire that should be extinguished with water?
- a) A
 - b) B
 - c) C
 - d) D
- 47) Carbon Dioxide based fire extinguishers remove what from the fire?
- a) Heat
 - b) Oxygen
 - c) Fuel
 - d) Smoke
- 48) What is the percentage of fires in the workplace caused by human error?
- a) 5%
 - b) 20%
 - c) 50%
 - d) 85%
- 49) Three elements typically are referred to as the “_____.”
- a) Fire triangle

- b) fire extinguisher
- c) fire protection
- d) none of above

- 50) _____ fires involving ordinary combustibles, such as paper, trash, some plastics, wood and cloth.
- a) Class B
 - b) Class A
 - c) Class C
 - d) Class K

Unit 5

- 1) _____ study identifies hazards and operability problems.
- a) Hazard
 - b) Hazop
 - c) Hazan
 - d) None of above
- 2) Potentially dangerous condition, which is triggered by an event called the cause of the _____ . .
- a) Hazard
 - b) Risk
 - c) Heard
 - d) Hazop
- 3) _____ is that associated with a severity and a probability of occurrence.
- a) Accident
 - b) Risk
 - c) Hazan
 - d) None of above
- 4) The consequence of a _____ mode on an operation, function, status of a system/process/activity/environment.
- a) Fault
 - b) Tree
 - c) Failure
 - d) None of above
- 5) Fault tree analysis can yield both _____ and _____ information about the system under study.
- a) Qualitative, quantitative
 - b) Quantitative, reversible
 - c) Other
 - d) None of above
- 6) Why is risk assessment important?
- a) they form an integral part of an occupational health and safety management plan

- b) It is one type of analysis
 - c) It is risk authority process
 - d) None of above
- 7) _____ process is to evaluate hazards, then remove that hazard or minimize the level of its risk by adding control measures.
- a) HAZOP
 - b) Risk Assessment
 - c) Hazan
 - d) None of above
- 8) The primary objective of an _____ is to improve the design.
- a) Failure mode effect analysis
 - b) Fault tree analysis
 - c) Hazop
 - d) None of above
- 9) HAZOP technique was initially developed to analyze _____ process systems.
- a) Chemical
 - b) Physical
 - c) Biological
 - d) None of above
- 10) _____ is an initial high-level screening exercise that can be used to identify, describe during conceptual stage of a facility design.
- a) Fault tree analysis
 - b) Preliminary hazard analysis
 - c) Hazop
 - d) None of above
- 11) Preliminary Hazard Analysis (PHA) was introduced in _____.
- a) 1966
 - b) 1988
 - c) 1890
 - d) 1567
- 12) _____ collection is extremely important for hazard identification and preliminary hazard analysis.
- a) Report
 - b) Data
 - c) Letter
 - d) None of above
- 13) Hazard Identification and Risk Assessment (HIRA) is carried for identification of _____ events that can lead to a hazard.
- a) Desirable

- b) Reversible
 - c) Undesirable
 - d) None of above
- 14) _____ is a qualitative technique for the early identification of potential hazards.
- a) Hazard identification
 - b) Hazard analysis
 - c) Hazan
 - d) Hazop
- 15) PHA is a _____ analysis method to evaluate the internal risk factors and the degree of risk in the system.
- a) Quantify
 - b) Qualitative
 - c) other
 - d) None of above
- 16) _____ is a longitudinal analysis method.
- a) Fault tree analysis
 - b) Hazop
 - c) Hazan
 - d) None of above
- 17) _____ is a kind of inductive method.
- a) Fault tree analysis
 - b) Preliminary hazard
 - c) Event tree analysis
 - d) Hazop
- 18) What is the main purpose of hazard identification?
- a) To minimise the effect of a consequence
 - b) For better risk management
 - c) To characterize adverse effect of toxins
 - d) To reduce probability of occurrence
- 19) The _____ process determines whether exposure to a chemical can increase the incidence of adverse health effect.
- a) Hazard identification
 - b) Exposure assessment
 - c) Toxicity assessment
 - d) Risk characterization
- 20) Which of the following data is not required for hazard identification?
- a) Land use
 - b) Contaminant levels
 - c) Affected population
 - d) Estimation of risk
- 21) Why does site history have to be considered for hazard identification?

- a) To estimate the risk
 - b) To calculate carcinogenic exposure
 - c) To know the probable source and causes of contamination on site
 - d) For determination of remedial actions
- 22) What is the main objective of risk assessment?
- a) To evaluate hazard and minimize the risks
 - b) Remediation of contaminated sites
 - c) Hazard management
 - d) To know source of pollutants
- 23) What is the first stage of risk assessment?
- a) Exposure assessment
 - b) Hazard identification
 - c) Toxicity study
 - d) Risk characterization
- 24) An incident can be called hazardous only when?
- a) Stressor has the potential to cause harm to humans and ecological systems
 - b) Poses threat to surrounding
 - c) Monitoring is failed
 - d) Outburst of chemicals
- 25) Hazard identification mainly focus on _____.
- a) Chemical source and concentration
 - b) Chemical exposure
 - c) Chemical analysis
 - d) Chemical pathway
- 26) _____ is used for tracing all possible important factors and branches of events.
- a) Failure mode
 - b) Fault tree analysis
 - c) Preliminary hazard analysis
 - d) None of above
- 27) Event tree analysis is used for checking the effects of functions, or any Systems.
- a) Error
 - b) Value
 - c) Fun
 - d) None of above
- 28) _____ is used to represent the results of output factor only if all the input factors have been gone through.
- a) OR gate
 - b) And gate
 - c) Nor gate
 - d) All of above

- 29) _____ Factor represent when the tree is developed into more branches with more options.
- a) Transfer
 - b) Odd gate
 - c) None gate
 - d) Other
- 30) Hazard is any source of potential damage or _____ health effects on something or someone.
- a) Reversible
 - b) Non reversible
 - c) Impact
 - d) Adverse effect
- 31) What is example of hazard?
- a) Electricity and welding
 - b) Paint and fear
 - c) Cut and slip
 - d) None of above
- 32) _____ is the chance or probability that a person will be harmed or experience an adverse health effect if exposed to a hazard.
- a) Effect
 - b) Harm
 - c) Risk
 - d) Accident
- 33) What is risk assessment?
- a) Analyze and evaluate the risk associated with that hazard
 - b) Suddenly harm to another person
 - c) Evaluation effective document
 - d) None of above
- 34) What types of hazards are there?
- a) physical
 - b) Organic
 - c) Inorganic
 - d) None of above
- 35) Every _____ is to prepare On site Emergency Plan and detailed disaster control measures for his factory.
- a) Staff
 - b) Occupier
 - c) Member
 - d) None of above
- 36) _____ is one which has the potential to cause serious injury or loss of life or environment disruption.
- a) Emergency

- b) Task
 - c) Occupier
 - d) None of above
- 37) _____ will be the responsibility of the works management to formulate it.
- a) Off site plan
 - b) Event plant
 - c) On site plan
 - d) All of above
- 38) _____ will the responsibility of district emergency authority to integrate plans.
- a) Off site plan
 - b) Event plant
 - c) On site plan
 - d) All of above
- 39) Communicator officer will _____ information from the emergency affected area and send correct message to work main controller for declaration of emergency.
- a) Call
 - b) Collect
 - c) Letter
 - d) None of above
- 40) _____ Will maintain a log book of incident.
- a) Safety department
 - b) Mechanical
 - c) Communicator officer
 - d) None of above
- 41) _____ is an unplanned event which has a probability of causing personal injury or property damage. a) Incident
- b) Hazard
 - c) Non hazard
 - d) None of above
- 42) _____ could be defined as any situation which presents a threat to safety of persons or / and property.
- a) Plan
 - b) Emergency
 - c) Event
 - d) None of above
- 43) What is main objective of emergency plan?
- a) To minimize damage to the property, people and the environment
 - b) To reduce effect of pollution
 - c) To organise event plan
 - d) None of above
- 44) Fundamental principles of emergency management are based on

- a) mitigation, response
 - b) hear, skill
 - c) work, hazard
 - d) none of above
- 45) How do you recover from emergency situations?
- a) Check yourself and others for injuries
 - b) Accidental plan
 - c) Hazop technique
 - d) None of above
- 46) Emergency action plan is a written document required by particular standards.
- a) SPCB
 - b) GPCB
 - c) OSHA
 - d) None of above
- 47) _____ is those activities that continue beyond the emergency period to restore lifelines.
- a) Reuse
 - b) Recycle
 - c) Rehabit
 - d) Recovery
- 48) _____ plan specifies procedures for handling sudden or unexpected situations.
- a) Emergency
 - b) Off site
 - c) Onsite
 - d) None of above
- 49) What are the stages of disaster management?
- a) Prevention, Mitigation, Preparedness
 - b) Measure, habit, prediction
 - c) Hazard, effect
 - d) None of above
- 50) What is a Level 1 emergency response?
- a) Discuss about event
 - b) Meeting of safety rules
 - c) Emergency advice given over the telephone
 - d) All of above

Unit 6

- 1) You have been given a dust mask to protect against hazardous fumes. What should you do?
- a) Do the job but work quickly

- b) Do not start work until you have the correct Respiratory Protective Equipment
 - c) Start work but take a break now and again
 - d) Wear a second dust mask on top of the first one
- 2) Look at these statements about anti-vibration gloves. Which one is true?
- a) They cut out all hand-ARM vibration
 - b) They only work against low frequency vibration
 - c) They give the most protection if they are worn over other gloves
 - d) They might not protect you against vibration
- 3) What should you do if you drop your safety helmet from an elevated area on to a hard surface?
- a) Make sure there are no cracks then carry on wearing it
 - b) Work without a safety helmet until you can get a new one
 - c) Stop work and get a new safety helmet
 - d) Repair any cracks then carry on wearing it
- 4) _____ is needed when there are hazards present.
- a) Personal protective equipment
 - b) Personal safety
 - c) Cloth
 - d) None of above
- 5) _____ Protective equipment used to protect the individual wearer against the inhalation of hazardous substances in the workplace air. a) Non respiratory
- b) Respiratory
 - c) Hazard mask
 - d) None of above

_____ કાયચસ્થળની હવામાં જોખમી પદાર્થોના ઇન્હલેશન સામે

વ્યક્તિગત પહેરે નારને સરુ બક્ષત કરવા માટેના રક્ષણાત્મક ઉપકરણો. એ)

બિન-શ્વસન િી) શ્વસન સી) હઝે ાડચ માસ્ક ડી) ઉપરોક્ત કાંઈ નહીં

- 6) _____ is example of respirator.
- a) Gas mask
 - b) Rubber mask
 - c) Inhalator
 - d) None of above
- 7) _____ agents can come into contact with the skin through direct contact with contaminated surfaces.
- a) Physical
 - b) Chemical

- c) Non-reactive
 - d) All of above
- 8) _____ are an essential item in providing skin protection.
- a) Gloves
 - b) Mask
 - c) Coat
 - d) None of above
- 9) _____ is serve to protect one's face from potential impact hazards, chemical splashes or possible infectious fluid.
- a) Face mask
 - b) Gloves
 - c) Face shield
 - d) Apron
- 10) _____ are effective in preventing eye injury from chemical splashes, impact, dusty environments and welding.
- a) Googles
 - b) Ear muff
 - c) Coat
 - d) Face guard
- 11) Who is responsible for providing you with Personal Protective Equipment?
- a) Your employer
 - b) Your supervisor
 - c) Your co-worker
 - d) Yourself
- 12) Personal Protective Equipment is required when –
- a) Employers suffer an injury
 - b) The employees suffer an injury
 - c) An employee asks for it
 - d) Engineering, work practice, and administrative controls do not provide sufficient protection against hazards
- 13) Who is responsible for maintaining PPE?
- a) Your employer
 - b) Yourself
 - c) Your co-worker
 - d) a and b both
- 14) What type of protection is needed when you are exposed to hazards from flying particles?
- a) Eye protection
 - b) Face protection
 - c) Head protection
 - d) Both a and b

- 15) When working in areas where there is a potential for head injury from falling objects, you should.
- a) Look to the sky every 2 minutes for flying and falling objects
 - b) Ask a colleague to give you a heads up when an object is about to fall
 - c) Wear head protection
 - d) Appoint yourself a personal superhero to whisk you away from falling objects
- 16) Eye protection is required for which of the following hazards?
- a) Flying particles
 - b) Molten metal
 - c) Liquid chemicals, acids or caustic liquids
 - d) All of above
- 17) Welding shields primarily protect against_____.
- a) Dust
 - b) Metal splatter
 - c) Splashes
 - d) Flying particles
- 18) Which of the classes of hard hats in the list below can save you from high voltage shocks as well as provide penetration and impact resistance?
- a) Class A
 - b) Class B
 - c) Class C
 - d) Both a and b
- 19) Workers must _____ PPE before each use.
- a) Categorize
 - b) Inspect
 - c) Tag out
 - d) Mark
- 20) Eye and face protection protect workers from hazards like _____.
- a) Crushing
 - b) Falling
 - c) Liquid chemicals
 - d) Rolling
- 21) _____ is(are) useful in protecting workers from flash fires, flames, and electrical arcs.
- a) Aprons
 - b) Cooling garments
 - c) Flame Retardant Clothing
 - d) Rubber gloves
- 22) Safety glasses should have approved _____.
- a) Nose pieces

- b) Side shields
- c) Straps
- d) Visors

23) Wearing the right _____ in the right way, at the right time could save a workers life.

- a) Emergency Shutdown Device (ESD)
- b) Globally Harmonized System (GHS)
- c) Job Safety Analysis (JSA)
- d) Personal Protective Equipment (PPE)

24) Which of the following should be true about proper clothing choices for the jobsite:

- a) Choose clothing that makes it easy to bend, stretch and move, in general.
- b) Choose clothing that protects your body and limbs from injury.
- c) Avoid loose and/or ripped clothing.
- d) All of the above

25) Which of the following must be true of your jobsite footwear:

- a) Work shoes or boots have light-coloured soles to keep from creating scuff marks on the wood.
- b) Work shoes or boots have slip- and puncture-resistant soles to best protect your feet.
- c) Work shoes or boots have Velcro closures instead of shoelaces.
- d) Work shoes or boots should match your outfit

26) What is PPE?

- a) anything someone can use or wear to mitigate the threats that workplace hazards pose to health and safety
- b) hazard analysis protection
- c) one type of plan event
- d) none of above

27) _____ is protect the scalp, face and neck from overhead spills of acid.

- a) Mask
- b) Safety helmet
- c) Gloves
- d) Goggles

28) chemical safety data sheets must be consulted for advice on relevant _____.

- a) PPE
- b) Hazard
- c) HAZOP
- d) FACE MASK

29) _____ are comfortable and give chemical and liquid protection.

- a) Mask
- b) Gloves

- c) Goggles
 - d) None of above
- 30) _____ is best protection against bases, oils and many solvents and animal fats.
- a) Rubber gloves
 - b) Nitrile gloves
 - c) Plastic gloves
 - d) All of above
- 31) _____ do not provide adequate physical protection from significant chemical splashes.
- a) Safety glasses
 - b) Safety head
 - c) Gloves
 - d) None of above
- 32) PPE is equipment that will _____ the user against health or safety risks at work.
- a) Hazard
 - b) Accident
 - c) Protect
 - d) None of above
- 33) Hair _____ should be of flame-retardant material for protection against sparks or hot metal.
- a) Mask
 - b) Cap
 - c) Gloves
 - d) Boot
- 34) Noise level above _____ is hazardous for exposure more than 8 hrs/day.
- a) 90 db
 - b) 70 db
 - c) 60 db
 - d) 67 db
- 35) Noise level can be measured by a _____ .
- a) Noise decibel
 - b) Noise average meter
 - c) Noise protection
 - d) All of above
- 36) _____ is made of plastic, rubber or polyurethane foam.
- a) Earplug
 - b) Ear heard
 - c) Ear burd
 - d) None of above

- 37) _____ injuries can be caused by mechanical, chemical, thermal and radiation hazards such as dust, flying particles.
- a) Ear
 - b) Eye
 - c) Nose
 - d) Hand
- 38) Natural _____ gloves are stretchable and highly resistant to punctures.
- a) Rubber
 - b) Plastic
 - c) PVC
 - d) Acrylic
- 39) Safety _____ may be conductive, non-conductive or spark resistant.
- a) Gloves
 - b) Shoes
 - c) Mask
 - d) None of above
- 40) _____ protectors are coats, waist, aprons, overalls, jackets and complete head to toe protective suits.
- a) Ear
 - b) Body
 - c) Nose
 - d) None of above
- 41) _____ of different materials are used for protection against blows, splashes, radiant heat, flying particles, etc.
- a) Aprons
 - b) Cloth
 - c) Body
 - d) Ear
- 42) wearer of the safety _____ should not tie off below the waist level.
- a) Belt
 - b) Ear
 - c) Gloves
 - d) None of above
- 43) _____ are designed to protect against injuries associated with regular eye hazards.
- a) Safety helmet
 - b) Safety goggles
 - c) Safety shoes
 - d) Safety mask
- 44) Companies are required to:
- a) Provide certain types of PPE at no cost to the employee
 - b) Train employees on the use of PPE

- c) Monitor and enforce the use of required PPE
 - d) All of the above.
- 45) Properly selected _____ protection can protect employees from burns electrical shock and chemical absorption.
- a) Hand
 - b) Ear
 - c) Eye
 - d) Leg
- 46) The primary objective of _____ is to protect employees by creating a barrier against work place hazards.
- a) Hazard
 - b) PPE
 - c) Protective
 - d) None of above
- 47) Safety glasses used in conjunction with a _____ provide the greatest level of protection when using grinding equipment. a) Face shield
- b) Face mask
 - c) Face guard
 - d) None of above
- 48) Foam ear plugs provide greater protection than _____ .
- a) Glass
 - b) Helmet
 - c) Ear muffs
 - d) None of above
- 49) Which of the following are considered PPE?
- a) Safety glasses
 - b) Ear plugs
 - c) Gloves
 - d) All of the above

- 50) Whose responsibility is it to provide the required PPE?
- a) Yours
 - b) The company
 - c) OSHA
 - d) b and C both

Unit 1:

32	b
33	a
34	c
35	a
36	a
37	c
38	a
39	b
40	a
41	b
42	a
43	b
44	a
45	b
46	a
47	b
48	a
49	b
50	b

UNIT 2:

1	a
2	a
3	a
4	c
5	a
6	a
7	c
8	b
9	a
10	b
11	a

1	a
2	c
3	b
4	a
5	b
6	a
7	d
8	b
9	a
10	c
11	a
12	b
13	a
14	a
15	b
16	b
17	a
18	a
19	a
20	b
21	a
22	b
23	a
24	c
25	b
26	a
27	a
28	b
29	a
30	b
31	a

45	a
46	c
47	a
48	c
49	a
50	b

Unit 4:

38	a
39	b
40	c
41	a
42	b
43	a
44	b
45	a
46	b
47	a
48	c
49	a
50	b

Unit 3:

12	a
13	b
14	a
15	b
16	a
17	a
18	a
19	b
20	b
21	a
22	b
23	c
24	a
25	b
26	b
27	c
28	a
29	d
30	a
31	a
32	b
33	a
34	c
35	a
36	b
37	a
38	b
39	c
40	a
41	c
42	a
43	b
44	c

1	a
2	c
3	a
4	b
5	c
6	a
7	b
8	b
9	b
10	b
11	a
12	b
13	d
14	c
15	d
16	c
17	A
18	d
19	d
20	b
21	c
22	a
23	d
24	a
25	b
26	d
27	a
28	b
29	d
30	B
31	c
32	b
33	b
34	a
35	C
36	a
37	b

Unit 5:

1	a
2	b
3	C
4	a
5	b
6	c
7	b
8	C
9	A
10	D
11	D
12	C
13	b
14	A
15	C
16	a
17	a
18	B
19	c
20	d
21	a
22	b
23	c
24	a
25	c
26	a
27	b
28	a
29	c
30	a

31	b
32	a
33	c
34	a
35	b
36	c
37	a
38	b
39	a
40	b
41	A
42	d
43	d
44	b
45	c
46	a
47	b
48	d
49	a
50	b

1	b
2	a
3	b
4	c
5	a
6	a
7	b
8	a
9	a
10	b
11	a
12	b
13	c
14	a
15	b
16	a
17	c
18	c
19	a
20	d
21	c
22	a
23	b

24	a
25	a
26	b
27	a
28	b
29	a
30	d
31	a
32	c
33	a
34	a
35	b
36	a
37	c
38	a
39	b
40	c
41	a
42	b
43	a
44	a
45	a
46	c
47	d
48	a
49	a
50	c

Unit 6:

1	b
2	d
3	c
4	a
5	b
6	a
7	b
8	a
9	c
10	a

11	a
12	d
13	d
14	d
15	c
16	d

17	b
18	d
19	b
20	c
21	c
22	b
23	d
24	d
25	b
26	a
27	b
28	a
29	b
30	b
31	a
32	c
33	b
34	a
35	b
36	a
37	b
38	a
39	a
40	b
41	a
42	a
43	b
44	d
45	a
46	b
47	a
48	c
49	d
50	b