

General Aptitude

Q. No.	Question	Option 1	Option 2	Option 3	Option 4
1	In the following sentence, substitute the italicized part with the correct option. Radha <i>was dressed with</i> a green and red saree.	was dressed up	was dressed in	was dressed of	No improvement
2	Fill in the blanks with appropriate options. _____ lecture made it difficult for the students to stay	irrelevant	recusant	monotonous	Arduous
3	Choose the word that best expresses the meaning opposite of the italicized word. It was <i>fortuitous</i> that I met Paul in that birthday party.	unlucky	abominable	distressing	fortunate
4	Fill in the blanks with appropriate options. Raju _____ very polite at the moment, because he wants to make a good impression in front of his colleagues.	is being	has been	has been behaving	was being
5	John starts from a point A and walks 8 km North, then turns left and walks 10 km, then turns left and walks 14 km up to the point B. What is the direction of John?	North	South	East	West
6	In a certain code language, if 'PLAYER' is written as QNDCJX, how 'DANCER' will be written in the same language?	ECOFJX	ECQFKX	ECQGKX	ECQGJX
7	J is sitting next to K and L is next to M. M is not sitting with N. N is on the extreme left of the bench and L is in 2nd position from right. J is on the right hand side of K and N. J and L are sitting next to each other. Who is sitting exactly in the middle?	N	K	J	M

8	Find the missing number in the given series. 1, 2, 9, ____, 65, 126, 217	28	37	46	19
9	Which of the following has characteristics of transactional leadership?	Believes success arises from leaders and staff working together	Seeks to involve staff in decision making process	Seeks to ensure staff understand issues facing the organization	Takes the view that rewards and punishment motivate staff
10	According to contingency theory, the ideal leader _____	Shapes the leadership style depending on the situation.	Provides clear instructions to the followers so that they know what they are doing.	Knows what their strengths are and makes the most out of them.	Spends time with their followers and therefore listens and responds to their needs.
11	Choose the three situational criteria identified in the fielder model.	Job requirements, position power and leadership ability	Charisma, influence and leader-member relations	Leader-member relations, task structure and position power	Task structure, leadership ability and group activity
12	Which of the following best describes leaders in high-power distance cultures?	Making decisions without input from employees.	Subordinates can challenge their leaders.	Seeking welfare of the organization.	Employees can address the leader by his name.
13	Who is a transactional leader?	Inspires people and has strong interactions with them.	Does deals with people in order to get them to do things the leader wants.	Someone who is involved in the organizational change.	A leader who inspires the workers to new levels by offering them a vision of a better future.

14	In which type of leadership does the superior enjoy more	Consultative Leadership	Autocratic Leadership	Free Rein	None of these
15	Which set of terms given below is associated with the SMART acronym related to MBO?	Specific, Management, Assignable, Relevant	Specific, Measurable, Achievable, Relevant	Synchronized, Matching, Attainable, Relevant	Supportive, Manageable, Achievable, Relevant
16	In MS PowerPoint presentations, the design regulate the layout and formatting for the slide. These are commonly known as.	Blueprints	Placeholders	Templates	Design Plates
17	What is the maximum zoom percentage in MS PowerPoint?	400	300	200	100
18	Which of these refers to the PowerPoint view used for displaying only the text (tile and bullets)?	Slide sorter show	slide view	outline view	notes page view
19	Formula in Excel starts with -----	*	/	?	=
20	Which of the following is a shortcut in excel to go to	ALT+M	ALT+N	ALT+W	ALT+H
21	Which of the following cybercrime involved a significant ransomware attack that disrupted the operations of a major U.S fuel pipeline in 2021?	WannaCry attack	Colonial attack	NotPetya attack	Equifax data breach

NATIONAL SAFETY COUNCIL OF INDIA

Occupational Safety and Health

Q. No.	Question	Option 1	Option 2	Option 3	Option 4
1	<p>Arrange the steps involved in the hierarchy of hazard controls in order:</p> <ol style="list-style-type: none"> 1. Administrative controls 2. Substitution 3. Engineering controls 4. PPE 5. Elimination 	5,1,2,3,4	4,3,1,2,5	4,1,2,3,5	5,2,3,1,4
2	<p>The LD50 of four different compounds (A, B, C, and D) are 1000 ppm, 100 ppm, 500 ppm, and 2000 ppm, respectively. Which of these compounds is more toxic?</p>	A	B	C	D
3	<p>Men are at work in a room with an ambient temperature of 33 degrees Celsius. Calculate the WBGT index there if the wet bulb temperature and globe temperature readings are 30 degrees Celsius and 31 degrees Celsius, respectively.</p>	30.5	30	30.8	30.3
4	<p>Which is the IS code for industrial lighting?</p>	IS 6665	IS 4142	IS 2189	IS 6271

5	Which of the following is an engineering control method for reducing noise exposure?	Earplugs	Enclosures or barriers	Employee training and education	Job rotation								
6	Match the occupational diseases with their causes: <table border="1" data-bbox="286 422 638 555"> <thead> <tr> <th>List I</th> <th>List II</th> </tr> </thead> <tbody> <tr> <td>1. Byssinosis</td> <td>a. Benzene</td> </tr> <tr> <td>2. Liver Cancer</td> <td>b. Cotton</td> </tr> <tr> <td>3. Leukaemia</td> <td>c. Vinyl chloride</td> </tr> </tbody> </table>	List I	List II	1. Byssinosis	a. Benzene	2. Liver Cancer	b. Cotton	3. Leukaemia	c. Vinyl chloride	1-c, 2-a, 3-b	1-b, 2-a, 3-c	1-b, 2-c, 3-a	1-a, 2-c, 3-b
List I	List II												
1. Byssinosis	a. Benzene												
2. Liver Cancer	b. Cotton												
3. Leukaemia	c. Vinyl chloride												
7	Which anthropometric measurement is crucial for designing office chairs? 1. Popliteal height 2. Body height 3. Sitting height	Only 2	Only 3	Only 2 and 3	1, 2, and 3								
8	Which among the following statements about the Total Loss Control (TLC) technique is wrong ?	Reviewing claim data is one of the steps in TLC	TLC minimizes interruptions of services provided to the public	TLC provides more insurance claims to the workers	TLC minimizes the frequency and severity of accidents								
9	As per the Factories Act, an internal examination of the pressure vessel needs to be conducted once a _____.	12 months	6 months	18 months	24 months								
10	Which among the following is not an example of Hot work?	Welding	Grinding	Brazing	Painting								

11	A manufacturing company operates for 240 days in a year. The total hours worked by all the employees in that year were 1,00,00,000. The total number of lost days in the same year is reported as 180. Calculate the severity rate.	36	12	9	18								
12	The lost-time injury incidence rate is calculated by the formula _____.	No. of lost-time injuries*1000/average number of persons employed	No. of lost-time injuries*1000/average number of persons injured	No. of lost-time injuries with total disablement*1000/average number of people employed	No. of lost-time injuries with total disablement*1000/average number of persons injured								
13	Which among the following has the least chance of being considered a work injury?	Loss of a toe finger	Amputation through the shoulder joint	Absolute deafness	Hypertensive disease								
14	Which country did the Seveso disaster occur in?	France	Germany	Italy	Spain								
15	Match the following disasters with the compounds resulting in the disaster: <table border="1" data-bbox="271 1093 674 1204"> <thead> <tr> <th>List I</th> <th>List II</th> </tr> </thead> <tbody> <tr> <td>1. Seveso Disaster</td> <td>a. Methyl Isocyanate</td> </tr> <tr> <td>2. Bhopal Gas Tragedy</td> <td>b. Dioxin</td> </tr> <tr> <td>3. Flixborough disaster</td> <td>c. Cyclohexane</td> </tr> </tbody> </table>	List I	List II	1. Seveso Disaster	a. Methyl Isocyanate	2. Bhopal Gas Tragedy	b. Dioxin	3. Flixborough disaster	c. Cyclohexane	1-c, 2-b, 3-a	1-b, 2-a, 3-c	1-c, 2-a, 3-b	1-a, 2-c, 3-b
List I	List II												
1. Seveso Disaster	a. Methyl Isocyanate												
2. Bhopal Gas Tragedy	b. Dioxin												
3. Flixborough disaster	c. Cyclohexane												

16	<p>Which among the following is/are the objective(s) of the National Policy on Safety, Health and Environment at Workplace?</p> <ol style="list-style-type: none"> 1. Continuous improvement of workers lifestyle and giving incentives 2. Continuous reduction in the incidence of work related injuries, fatalities, diseases, disasters and loss of national assets 3. Continually increasing community expectation of workplace health and safety standards 4. Continuous enhancement of community awareness regarding safety, health and environment at workplace related areas 	Only 2, 3 and 4	1, 2, 3 and 4	Only 1 and 2	Only 3 and 4
17	<p>Arrange the steps of Training Needs Assessment (TNA) in its order:</p> <ol style="list-style-type: none"> 1. Data Collection 2. Implementation Strategy 3. Analysis Phase 4. Identifying Goals 5. Developing Solution 	4-1-3-5-2	3-5-1-4-2	2-3-5-1-4	1-4-3-5-2

NATIONAL SAFETY COUNCIL OF INDIA

18	The general illumination in areas on the dock where dock workers have to pass, shall be at least _____ lux, and at places where dock workers are employed, the illumination shall be at least _____ lux.	25,50	10,25	20,40	50,75
19	As per IS 5572, which location given below comes under Zone 2 of the hazardous area classification?	Area with floating roof tanks of imperfectly fitting peripheral seals	Areas where the piping system is without valves. fittings, flanges	Areas in the immediate vicinity of vents and filling hatches	Area where the flammable vapours can be conducted through pipes, or ducts
20	If the HAZCHEM code of a substance is 4X, the type of medium to be employed by the fire services personnel is _____.	Water based foam	Dry agent	Solid streams of water	Water fog
21	As per IS 2379, the ground colour used for the pipelines carrying water is _____.	Sky blue	Canary Yellow	Sea Green	Dark Violet
22	The smothering technique affects the _____ component of the fire tetrahedron.	Fuel	Heat	Oxygen	Chemical Reaction
23	What is the fire load of 100 kg of paper kept in a 20 sq. m. room? Given that the calorific value of paper is 3732 kcal/kg.	373200	18660	37320	74640
24	The IS code used for the design of unfired pressure vessels is _____.	IS 2825	IS 2869	IS 10987	IS 3370

25	Which of the following is an example of an inherently safer design strategy?	Use of high-pressure equipment	Substitution with less hazardous materials	Installation of multiple safety relief valves	Use of a large inventory of hazardous materials
26	Which among the following statements is wrong about an explosive hazardous substance capable of high energy release but hard to initiate?	The heat of decomposition is greater than 0.7 kcal/g	The reaction can or cannot be exothermic	The substance is sensitive to impacts	The substance is insensitive to impacts
27	Which among the following techniques helps to standardize the operation for easy monitoring, controlling, comfort, safety, and simultaneously ensuring more productivity and profit?	One Point Lessons	Safety Kaizen	Tool Box Talks	None of these
28	Which of the following is NOT a benefit of implementing a behaviour-based safety program?	Increased employee engagement in safety	Reduced injury rates	Improved safety culture	Elimination of all workplace hazards
29	Which among the following is a major advantage of using Management Information System (MIS) in Safety, Health and Environment?	MIS facilitates the tracking of safety metrics and performance indicators	MIS facilitates quick access to critical information during emergencies	MIS facilitates organizations to identify potential hazards	All of these
30	As per Frank Bird's 1969 theory, out of the total 641 events, only _____ may result in minor injuries and _____ in major injuries.	100, 10	30, 1	50, 5	75, 25

31	Which of these is NOT a key principle of Heinrich's Theory?	Preventing minor injuries prevents major ones	Unsafe acts are the primary cause of injuries	Management has direct control over safety	Adequate safety training is essential
32	How many clauses are there in ISO 45001?	9	10	8	11
33	Which type of machine guard is suitable when there is stock movement?	Interlocked	Fixed	Adjustable	Self-adjusting
34	Identify the function of an interlocked machine guard from the following: 1. Allows to accommodate various sizes of stocks 2. Prevent the machine from starting unless the guard is closed 3. Provide a physical barrier against hazards 4. Allows access to the machine for removing jams easily as compared to the fixed barriers.	Only 2, 3, and 4	Only 1, 2, and 3	Only 2	1, 2, 3, and 4
35	What is the purpose of a counter-balance system on a power press?	To reduce operator fatigue	To prevent sudden die descent	To control the ram descent speed	To absorb energy during a malfunction
36	What is the purpose of a load backrest extension on an industrial truck?	To increase the load capacity	To prevent the load from shifting	To protect the operator from falling objects	To stabilize the truck during travel

37	Identify the elements of the '5S' system? 1. Support 2. Sort 3. Sustain 4. Standardize 5. Shine	2, 3, 4 and 5	1, 2, 3 and 4	Only 2, 3, and 4	Only 2 and 3
38	_____ is a painful condition that occurs when the median nerve in the wrist is compressed.	Lumbago	Thoracic pain	Myofascial pain syndrome	Carpal tunnel syndrome
39	Out of the following tests on equipment, which are all non-destructive testing methods? 1. Radiography 2. Tensile testing 3. Dye penetrant 4. Ultrasound	Only 1 and 4	1, 2, and 4	1, 3, and 4	Only 1
40	Which of the following are the common hazards in the steel industry? 1. Exposure to high temperatures 2. Exposure to toxic fumes 3. Exposure to loud noise 4. Exposure to radioactive materials	Only 1 and 2	Only 2 and 3	Only 1 and 4	All of these
41	As per Noise Pollution Rules 2000, the permissible noise levels in industrial areas are _____ dBA at daytime and _____ dBA at night-time.	90,85	75,70	85,75	75,65

42	Which of the following statements about JSA is WRONG ?	JSA is a proactive approach to identifying and mitigating workplace hazards	JSA can be used to develop safe work procedures and train employees	JSA needs to be conducted only for new or non-routine tasks	JSA is a qualitative technique
43	Which of the following is considered a major accident hazard as per MSIHC Rules? 1. Fire 2. Explosion 3. Release of toxic substances 4. Slip and fall accidents	Only 1 and 2	Only 2	1, 2, 3, and 4	Only 1, 2, and 3
44	Which of the following is NOT a typical component of an Onsite Emergency Plan?	Procedures for emergency medical response	Procedures for protective actions in nearby residential or non-residential areas	Procedures for evacuation	Key personnel and their responsibilities
45	As per IS 18001, if an event that is very unlikely to happen and that is slightly harmful in nature occurs, the associated risk is _____.	Trivial Risk	Moderate Risk	Tolerable Risk	Substantial Risk
46	Which of the following is NOT a step in the MORT analysis process?	Define the problem	Construct the event sequence diagram	Perform a quantitative risk assessment	Develop recommendations

47	<p>As per the Section 11 of The Factories Act, which of the following statement(s) is/are correct about the repainting of factory buildings?</p> <ol style="list-style-type: none"> 1. When they are painted with washable water-paint, be repainted at least once in every period of three years 2. The whitewashing or colour washing shall be carried out at least once in every period of fourteen months 3. When they are painted otherwise than with washable water-paint, be repainted at least once in every period of four years 	Only 1	1, 2, and 3	Only 2 and 3	Only 1 and 2
48	<p>Which of the following is/are covered under the Dock Workers (Safety, Health, and Welfare) Rules, 1990?</p> <ol style="list-style-type: none"> 1. Safe handling of goods 2. Canteen and other facilities for workers 3. Health of dock workers 	1, 2, and 3	Only 1	Only 2 and 3	Only 1 and 3
49	<p>What is the maximum penalty for violating the provisions under sections 24 & 25 of the Boilers Act, 1923?</p>	Rs. 50,000 fine	Imprisonment up to 6 months	Rs. 25,000 fine	Imprisonment up to 2 years or fine up to Rs. 1,00,000 or both

50	Which of the following statements is INCORRECT with respect to the storage of petroleum products as per the Petroleum Rules 2002 ?	Containers for petroleum Class A shall be constructed of tinned, galvanized or externally rustproofed sheet iron or steel	Normally the maximum capacity of a container storing Class A petroleum is 300 liters	Containers for petroleum Class B or petroleum Class C shall be constructed of steel or iron	An air space of not less than 3% of its capacity shall be kept in each container for petroleum Class A and B.
51	As per the Explosive Rules, 2008, Those explosives, which have a mass explosion risk and major missile effect, are categorized as _____.	Category ZZ	Category Z	Category Y	Category X
52	As per The Regulation 79 of The CEA Regulations 2023, the underground power cable meant for use exceeding 33 kV shall be laid with a minimum underground depth of _____ m and a minimum separation distance of _____ m with underground telecommunication cable.	1.2, 0.3	1.2, 0.6	1, 0.5	1.6, 0.5
53	The PLI Act provides for the establishment of which of the following?	Environment Relief Fund	Hazardous Substances Management Authority	National Green Tribunal	Both Hazardous Substances Management Authority and National Green Tribunal

54	Which of the following is NOT one of the four strategic objectives of the ILO?	Promote and realize standards and fundamental principles and rights at work	Create greater opportunities for women and men to secure decent employment	Enhance the coverage and effectiveness of social protection for all	Promote environmental sustainability
55	As per NBC 2016, the height of all rooms for human habitation shall not be less than _____ m.	3	2.5	2.75	3.5
56	Which of the following is NOT a requirement as per ISO 45001?	Consultation and participation of workers	Documented information management	Compliance with legal and other requirements	Periodic external audits by an accredited certification body
57	An equipment consists of three modules with constant failure rates of 0.002, 0.003 and 0.005. What is the mean time to failure of the equipment?	1033 operating hours	200 operating hours	500 operating hours	100 operating hours
58	Which of the following is a common anthropometric measurement?	Body mass index (BMI)	Heart rate	Blood pressure	Respiration rate
59	Which of the following is the correct order of airflow during inhalation?	Nose/mouth → pharynx → larynx → trachea → bronchi → bronchioles → alveoli	Nose/mouth → trachea → larynx → bronchi → bronchioles → alveoli → pharynx	Nose/mouth → pharynx → trachea → bronchi → alveoli → bronchioles → larynx	Nose/mouth → larynx → pharynx → trachea → bronchioles → bronchi → alveoli
60	What is the maximum time limit for filing a claim for compensation under the Workmen's Compensation Act,	1 year from the date of accident	2 years from the date of accident	3 years from the date of accident	No specific time limit is mentioned in the Act

	1923?				
61	Any claim for compensation under the Public Liability Insurance Act, 1991 should be filed within _____ years of the occurrence of the accident.	1	2	3	5
62	What is the purpose of a safety interlock?	To prevent machine operation if a guard is open	To override safety features in an emergency	To adjust machine settings	To clean and maintain the machine
63	Which type of safeguarding device is designed to prevent the operator from reaching into the danger zone during the press cycle?	Presence-sensing device	Safety interlock	Fixed barrier guard	Emergency stop control
64	What is the purpose of a Deadman switch on a portable power tool?	To prevent accidental startup	To increase the tool's speed	To adjust the tool's settings	To hold the workpiece in place
65	As per Indian standards 4082, the maximum height for stack of cement bags is _____.	15 bags	10 bags	20 bags	18 bags

66	Which of the following factors should be considered when determining the maximum height for stacking materials? 1. Type of material 2. Floor loading capacity 3. Size and weight of the stack	Only 2 and 3	Only 2	Only 1 and 3	1, 2 and 3
67	Which NDT method is used to detect surface-breaking defects in non-ferromagnetic materials?	Radiography	Dye penetrant testing	Magnetic particle testing	Ultrasonic testing
68	Which among the following are factors affecting SIL levels?	Consequence of failure	Probability of failure	Both consequence and probability of failure	None of these

NATIONAL SAFETY COUNCIL OF INDIA

	Fire and Explosion Index?				
72	Which technique is commonly used for maintenance work to prevent the formation of an explosive atmosphere in a confined space?	Venting	Explosion suppression	Flame arrestor	Purging and inerting
73	What is the primary purpose of conducting a pre-start review during a plant safety inspection?	Identify potential hazards before equipment is operated	Evaluate employee performance	Test emergency response procedures	Check compliance with regulations
74	Which technique aims to reduce the probability of a loss occurring?	Loss prevention	Loss reduction	Loss financing	Both Loss prevention and Loss reduction
75	What is the first step recommended by IS 14489 for conducting a safety and health audit?	Selecting the audit team	Defining the audit scope and criteria	Preparing the audit plan	Conducting the opening meeting
76	Which of the following is NOT a key component of an effective Management Oversight and Risk Tree method?	Established policies and procedures	Regular monitoring and reporting	Corrective action plans	Frequent changes in personnel

77	The primary goal of behaviour-based safety is to _____.	eliminate all workplace accidents	identify and correct unsafe behaviours	impose strict safety rules and regulations	provide safety training to employees
78	The Heinrich Theory suggests that by addressing _____.	unsafe acts/conditions more serious incidents can be prevented	serious injuries, near-misses will be reduced	property damage incidents, injuries will be eliminated	fatalities, all other incidents will be reduced
79	_____ is a Hazard Class 3 material	Corrosive material	Infectious substance	Flammable Liquid	Radioactive material
80	Radioactive Materials falls under which class of hazardous substances?	Class 7	Class 4	Class 8	Class 3
81	Which part of NFPA marking system implies flammability?	white	Blue	Yellow	Red
82	Oil and Paint fire comes under which class of fire _____.	Class B	Class A	Class C	Class D
83	In which method of hazard analysis a series of questions are asked?	HAZOP study	Checklist	What -if analysis	Failure mode & effect analysis
84	The written emergency information carried by the driver of all vehicles carrying hazardous substances is known as _____.	HAZCHEM	TREMCARD	Emergency Information Panel	None of the above
85	As per IS17889, how many sections are provided in MSDS?	8	9	10	16

86	As per IS 17893, the original copy of work permit shall be kept by the issuer for a period of at least _____ days from the closure of permit.	15	20	30	365
87	Time duration for TLV STEL is _____.	30 minutes	1 hours	15 minutes	None of these
88	Body Mass Index is calculated as _____.	Body weight in kg/Height in meter squared	Body weight in pounds/Height in inches squared	Body weight in kg/ Height in centimetres squared	None of these
89	Which color background on the hazard label signifies a substance that is water reactive according to UN Committee of Experts on the Transport of Dangerous Goods?	Orange	Red	Blue	Yellow
90	As per IS 9457, the shape of warning sign is _____.	Circular	Square	Triangular	Rectangluar

NATIONAL SAFETY COUNCIL OF INDIA

Environment

Q. No.	Question	Option 1	Option 2	Option 3	Option 4
1	Which component of an Environmental Management System (EMS) involves setting environmental objectives and targets?	Environmental policy	Environmental audit	Environmental planning	Environmental monitoring
2	Which authority is regulated the Air pollution control activity at union territory?	CPCB	SPCB	MoEF&CC	NDMA
3	What is the permissible noise level (in decibels) for residential areas during the daytime under the Noise Pollution Rules 2000?	45 dB	55 dB	65 dB	75 dB
4	Which of the following does NOT fall under the definition of "Trade Effluent" provided under the Water Act of 1974?	Liquid, gaseous or solid substance from any operation or process	Liquid, gaseous or solid substance from treatment and disposal system	Domestic sewage	Gaseous or solid substance from an industry
5	Which body can take punitive action with respect to illegal release of hazardous microorganism under the Environmental Protection Act at state level?	State Genetic Engineering approve committee	Institutional biosafety committee	Review committee on genetics manipulation	State Biotechnology Co-ordination Committee
6	According to the MSIHC Rules 1989, what is the primary objective of conducting a Hazard and Operability Study (HAZOP)?	Identifying potential safety hazards and risks associated with industrial processes	Developing emergency response plans for industrial accidents	Evaluating the financial implications of safety measures implementation	Determining the environmental impact of industrial operations

7	According to the MSIHC Rules 1989, what is the frequency of updating the safety report?	1	2	3	5
8	In accordance with Section 40 of the Air Act 1981, when an offence is committed by a company, _____ shall be deemed to be guilty of the offence and shall be liable to be against and punished accordingly.	Only the company	Depend on the facts and circumstances of the case	Every person, who at the time the offence was committed, was directly in charge of the company for the conduct of the business of the company and the company itself.	Only the person(s) who at the time offence was committed was directly in charge of the company or the conduct of the business of the company.
9	What is NOT a role of state pollution control boards (SPCBs) in contributing to air pollution control strategies under the Air Act, 1981?	Developing and implementing air quality management plans	Promoting public awareness campaigns on air pollution prevention	Monitoring ambient air quality through a network of monitoring stations	Administering financial incentives to industries for adopting cleaner technologies
10	Which component of a Sewage Treatment Plant (STP) is responsible for the removal of suspended solids and sediments from wastewater?	Clarifier	Aeration tank	Trickling filter	Pressure filter
11	Which one of the following is the white category of Biomedical Waste Management Rules, 2016 in India?	Microbiology, Biotechnology and other clinical laboratory waste	Contaminated Waste (Recyclable)	Glassware	Waste Sharps including metals

12	What is the main objective of implementing ISO 50001 in an organization?	To enhance product quality	To promote water conservation	To increase production	To reduce energy consumption and costs
13	What is the cause of bulking of sludge?	Growth of filamentous bacteria	Low pH levels	Bacteria in primary sludge tank	Uncontrolled growth of algae
14	Identify correct statement about the Centrifugal collector.	It can remove gaseous and particulate contaminants	Dynamic precipitator is a type of Centrifugal collector	It has higher efficiency in comparison to ESP	It need height electricity supply
15	Which among the following is the goal of solid waste incineration? (i) Volume increment (ii) Volume reduction (iii) Stabilization of waste (iv) Recovery of energy from waste (v) Sterilization of waste	Only (i) and (iv)	Only (iii) and (iv)	(ii), (iii), (iv) and (v)	Only (ii) and (iv)
16	Arrange the following environmental management concept in the descending order of their importance (most important to least important). (i) Waste Disposal (ii) Pollution Control (iii) Reuse (iv) Waste minimization	(i), (ii), (iii), (iv)	(iv), (iii), (ii), (i)	(iii), (iv), (ii), (i)	(iii), (iv), (i), (ii)

17	If a sewage sample incubated at 20°C for 5 days at 3% solution results in a 3 ppm depletion of oxygen, the BOD of sewer is _____.	250 ppm	170 ppm	70 ppm	100 ppm
18	Which air pollution control device is commonly used to reduce sulphur dioxide (SO ₂) emissions from coal-fired power plants?	Wet scrubber	Electrostatic precipitator	Baghouse filter	Catalytic converter
19	How many missions have been identified under the National Action Plan on Climate Change (NAPCC) by Govt of India released on 30th June 2008?	5	8	11	3
20	As per Rule 8 of Hazardous and Other Wastes Rules 2016, Small Quantity Generator (up to ten tonnes per annum) of Hazardous waste can store in its premises for how many days without special permission?	365 days	90 days	180 days	500 days
21	Name the special judicial body that was established by law passed in 2010 to hear environmental cases at national level?	National Appellate Authority	National Green Tribunal	Comptroller and Auditor General	None of these

NATIONAL SAFETY COUNCIL OF INDIA

Answer Key

General Aptitude: -

Q. No.	1	2	3	4	5	6	7	8	9	10
Correct Option	2	3	1	1	2	4	3	1	4	1

Q. No.	11	12	13	14	15	16	17	18	19	20	21
Correct Option	3	1	2	2	2	3	1	3	4	1	2

NATIONAL SAFETY COUNCIL OF INDIA

Occupational Safety and Health: -

Q. No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Correct Option	4	2	4	1	2	3	4	3	1	4	4	1	4	3	2	1	1	2	4	2	3	3	2	1	2

Q. No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Correct Option	3	2	4	4	2	3	2	4	1	2	3	1	4	3	4	2	3	4	2	3	3	4	1	4	4

Q. No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Correct Option	2	2	1	4	3	4	4	1	1	2	4	1	3	1	2	4	2	3	2	3	2	4	1	1	2

Q. No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Correct Option	4	2	1	3	1	4	1	3	2	4	3	3	1	3	3

Environment: -

Q. No.	1	2	3	4	5	6	7	8	9	10
Correct Option	3	1	2	3	4	1	3	3	4	1

Q. No.	11	12	13	14	15	16	17	18	19	20	21
Correct Option	4	4	1	2	3	2	4	1	2	2	2

NATIONAL SAFETY COUNCIL OF INDIA