

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 him 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

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General Safety

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	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
7	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
8	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
9	Which among the following is not an example of Hot work?	Welding	Grinding	Brazing	Painting

10	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								
11	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								
12	Which country did the Seveso disaster occur in?	France	Germany	Italy	Spain								
13	Match the following disasters with the compounds resulting in the disaster: <table border="1" data-bbox="280 1013 660 1117"> <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												
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14	<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
15	<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
16	<p>As per IS 2379, the ground colour used for the pipelines carrying water is _____.</p>	Sky blue	Canary Yellow	Sea Green	Dark Violet

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17	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
18	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
19	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
20	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
21	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

22	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
23	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
24	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
25	How many clauses are there in ISO 45001?	9	10	8	11
26	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

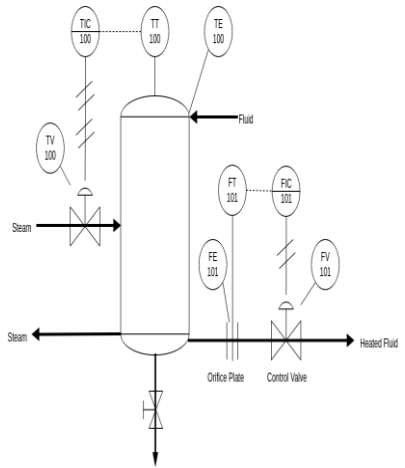
27	_____ is a painful condition that occurs when the median nerve in the wrist is compressed.	Lumbago	Thoracic pain	Myofascial pain syndrome	Carpal tunnel syndrome
28	Out of the following tests on equipment, which are all non-destructive testing methods? 1. Radiography 2. Tensile testing 3. Dye penetrant 4. Ultrasound	Only 1 and 4	1, 2, and 4	1, 3, and 4	Only 1
29	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

30	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
31	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.
32	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

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33	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
34	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
35	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

36	Which of the following is a common anthropometric measurement?	Body mass index (BMI)	Heart rate	Blood pressure	Respiration rate
37	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
38	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
39	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

40	Which among the following are factors affecting SIL levels?	Consequence of failure	Probability of failure	Both consequence and probability of failure	None of these
41	<p>Which among the following interpretations is wrong about the P & ID given image?</p> 	There is a temperature control system for the vessel	The temperature indicator control sends electrical signals to the temperature valve	Flow control system is also there for the vessel	Flow indicator control is an instrument mounted on main panel

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42	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
43	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
44	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

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45	_____ is a Hazard Class 3 material.	Corrosive material	Infectious substance	Flammable Liquid	Radioactive material
46	In which method of hazard analysis a series of questions are asked?	HAZOP study	Checklist	What -if analysis	Failure mode & effect analysis
47	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
48	As per IS 17889, how many sections are provided in MSDS?	8	9	10	16
49	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
50	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
51	As per IS 9457, the shape of warning sign is _____.	Circular	Square	Triangular	Rectangluar

Oil & Gas Safety

Q. No.	Question	Option 1	Option 2	Option 3	Option 4
1	What potential hazards are associated with tank cleaning in the context of crude oil storage?	Exposure to Heat	Risk of oxygen deficiency	Exposure to noise	Radiation hazard
2	How are potential hazards identified and recorded for each node in a HAZOP study?	Through detailed interviews with facility operators	Using Guidewords and Parameters systematically	By conducting random safety audits	By conducting random safety inspections
3	At what concentration of hydrogen sulphide (H ₂ S) does immediate loss of consciousness and respiratory distress occur, based on Indian standard IS4379:2021?	150-200 ppm	300-400 ppm	>1,000 ppm	>1,200 ppm
4	What is the ground colour of acetylene cylinder as per IS4379:2021?	Red	Blue	Maroon	Orange
5	How should pressure relief valves be set when multiple valves are used in parallel?	All valves should be set at the maximum allowable working pressure (MAWP)	One valve should be set at or below the MAWP, and others can be set up to 10% over the MAWP	One valve should be set at or below the MAWP, and others can be set up to 5% over the MAWP	All valves should be set at 5% over the MAWP
6	What does Location Specific Individual Risk (LSIR) measure in the context of the LPG Bottling Plant?	The total number of hazards present in the plant area.	The risk exposure of personnel continuously present in a specific area for the entire year.	The probability of specific events occurring in the plant.	The overall safety culture of the plant.

7	At what temperature is LNG (liquefied natural gas) typically produced for safe long-distance transportation?	-20 °C	-80 °C	-100 °C	-162 °C
8	Which safety equipment is required for barges or flats transporting petroleum in bulk as per Petroleum Rules 2016?	Two fire extinguishers and a covered sand box with 0.10 cubic meters of sand	A white flag and a non-metallic hammer	Four fire extinguishers and a covered sand box with 0.20 cubic meters of sand	Six fire extinguishers and a covered sand box with 0.40 cubic meters of sand
9	When does combustion terminate?	When all the combustible substance has been consumed	When equilibrium is achieved between the total heat energies of the reactants and products	When the pressure of the mixture reaches a point that doesn't allow combustion	When the ignition temperature decreases below a combustion temperature
10	Which gas mixture can be produced when attempting to control heating by spraying or injecting water onto hot carbon?	Oxygen and nitrogen	Carbon dioxide and nitrogen	Carbon monoxide and hydrogen	Methane and oxygen
11	Which method of fire extinguishment involves removing the fuel from the fire?	Smothering the fire	Cooling the fire	Interrupting the chemical chain reaction	Starving the fire
12	Which type of sprinkler system is designed to supply water to all sprinkler heads simultaneously upon activation?	Wet pipe	Dry pipe	Pre-action	Deluge

13	What are the key components of sprinkler and water spray systems?	Small water storage tanks and firefighting trucks	Low-pressure hoses and manual pumps	Reservoir, pump, distribution pipes, sprinklers/distributors, and a detector system	Water droplets and foam extinguishers
14	As per MSIHC Rules, which of the chemical comes under "flammable liquids" ?	Liquids having a flash point 50°C	Liquids having a flash point 23 °C	Liquids having a flash point 60.5 °C	Liquids with a flashpoint above 100 °C
15	Which ministry is responsible for coordinating activities related to chemical disasters in India?	Ministry of Civil Aviation	Ministry of Chemical and Fertilizers	Ministry of Environment, Forest and Climate Change	Ministry of Home Affairs
16	Who chairs the National Crisis Management Committee (NCMC)?	Secretary, Ministry of Home Affairs	Director of Intelligence Bureau	Cabinet Secretary	Prime Minister
17	Which of the following statements about pyrophoric substance is true?	They are not dangerous when stored properly	They can be controlled easily	They are highly reactive and can ignite spontaneously in air	They are only used in laboratory settings
18	As per OISD 214, the scrapper pig test for LPG pipelines need to be conducted once in every _____ .	year	5 years	6 months	2 years

19	The cooling water rate requirement for a floating roof tank as per OISD 116 is _____.	@3 lpm/sq. m of tank shell area	@5 lpm/sq. m of tank shell area	@10.2 lpm/sq. m of tank shell area	@12 lpm/sq. m of tank shell area
20	Calculate the cooling water requirement for a cone roof tank of diameter 50 m and height 10 m.	5100π	1500π	2500π	1875π
21	Which of the following is NOT listed as a degradation mechanism affecting aging assets and equipment in the oil and gas industry?	Corrosion-related mechanisms	Obsolescence of equipment	Rapid burn degradation mechanisms	Erosion, wear, fatigue, or cracking mechanisms
22	The question below consists of two statements 1 and 2, on Hydrogen sulphide toxicity. Read them and choose the correct option for selecting the correct answer: Statement 1: Hydrogen sulphide toxicity is easy to diagnose as it is a colourful gas with a rapidly sensitizing scent. Statement 2: The treatment for Hydrogen sulphide toxicity should begin promptly as hydrogen sulphide toxicity can be rapidly decompensating and ultimately ensue in death.	Only Statement 1 is correct.	Only Statement 2 is correct.	Both statements are correct.	Both statements are incorrect

23	Which statement accurately describes Class 6 substances according to UN Committee of Experts on the Transport of Dangerous Goods?	They include substances that emit dangerous radiations.	These substances cause severe damage by chemical action.	They are substances that reacts highly with oxygen present in the air.	They are substances liable to cause death or serious health injuries.
24	What is the fundamental characteristic of pool fire?	High initial momentum	Diffusion combustion above a vertical fuel surface	Explosive combustion process	Diffusion combustion above a horizontal fuel surface
25	Nitrogen/ inert gas or other compressed gases used for _____.	mixing	purging	draining	leaking
26	During Unit Start-up, all the air shall be purged with inert gas, steam, water etc. and the system should be tested _____ of oxygen.	mix	inert	free	contaminated
27	In a refinery _____ type safety shoes should be worn while gauging, sampling or taking temperatures.	Heat resistant	Light weight	water proof	conductive
28	In a refinery, sampling shall be carried out as per provisions of _____ Quality Control Manual.	Plant	Unit	Government	Industry
29	The capacity of Fire Engine Fuel Tank shall be designed for _____.	4 Hours Continuous Running at the Desired Head and discharge	6 Hours Continuous Running at the Desired Head and discharge	3 Hours Continuous Running at the Desired Head and discharge	2 Hours Continuous Running at the Desired Head and discharge

30	Minimum separation distance between mounded LPG storage vessel and firewater pump house and / or Firewater tank shall be _____ meters.	15	30	45	50
31	What is the frequency of physical testing of high level alarm on LPG storage vessel _____.	Quarterly	Six monthly	Yearly	Monthly
32	How many emergencies are classified under ERDMP regulations 2010?	1	2	3	4
33	As per ERDMP Regulation 2010, for Emergency Level 2, a duration of siren is for _____.	Depending upon complexity of installation	2 minutes wailing	2 minutes plus gap of 1 minute repeated 3 times	2 minutes straight run

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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

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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

General Safety: -

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

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

Q. No.	21	22	23	24	25	26	27	28	29	30
Correct Option	4	4	2	3	2	1	4	3	3	3

Q. No.	31	32	33	34	35	36	37	38	39	40
Correct Option	4	2	2	4	4	1	1	1	1	3

Q. No.	41	42	43	44	45	46	47	48	49	50	51
Correct Option	2	4	1	4	3	3	2	4	3	3	3

Oil & Gas Safety: -

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

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

Q. No.	21	22	23	24	25	26	27	28	29	30	31	32	33
Correct Option	3	2	4	4	2	3	4	4	2	2	3	3	2

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

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