



NSAT PREVIOUS YEAR QUESTION PAPER

Section 1 - General

1.	Our sir	teaches	Mathematics	English.
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- a. Across
- b. Besides
- c. Beside
- d. Both
- 2. Mark the option containing the word that has been used incorrectly in the sentence given below.

I have an elder brother, / who is pursue his diploma / from Kelley School of Business.

- a. I have an elder brother
- b. who is pursue his diploma
- c. from Kelley School of Business
- d. No Error
- 3. Mark the option which best expresses the sentence in Passive voice.

Montana offered her a seat.

- a. A seat was offered to her by Montana.
- b. Montana offer her seat.
- c. Seat was offered to her.
- d. Her seat offered by Montana
- 4. Mark the option which best expresses the given sentence in Indirect speech.

My boss said to me, "Complete the work by fortnight, or else you are out."

- a. My boss told me he'd completed the work for the fortnight, or else I was out.
- b. My boss told me to complete the work by the fortnight, or else I'd be out.
- c. My boss told me to complete the work by the fortnight, or else you are out.
- d. None of the mentioned options
- 5. Mark the option which best expresses the given sentence in Indirect speech.

"Where do my parents usually go on a holiday?", asked Robert.

- a. Robert asked where my parents usually goes on a holiday.
- b. Robert asked my parents where do they usually go on a holiday.
- c. Robert asked where does my parents usually go on a holiday.
- d. None of the mentioned options
- 6. Which MS office program can be used to carry out the accidents trend analysis?
 - a. Power Point
 - b. Word
 - c. Excel
 - d. Access





MOLE IY			National Safety Aptitude Test
Council ai	7.	Select the correct example for a connectionless network, a type of com	0.70 (1.70)
		communications network that groups and sends data in small packets.	•
		a. Internet	
		b. Protocol	
		c. Circuit	
		d. Cell	
	8.	Observe the given options and identify in which unit internet speed is m	neasured.
		a. Kbps	
		b. mhz	
		c. Megabyte	
		d. Gb	H
	9.	A web-based tool that enables users to locate information on the World	d Wide Web is called
		a search engine.	
		Identify which of the following are search engines.	
		A) Google	
		B) MSC	
		C) Yahoo	
		D) Orkut	
		E) Face Search	
		a. B,C	
		b. A,C	
		c. C,D	
		d. A,B	
	10.	The Internet Protocol is a set of rules for routing and addressing packets	s of data so that they
		can travel across networks and arrive at the correct destination.	
		Which of the following options is NOT an internet protocol?	
		a. FTP	
		b. RSA	
		c. IP	
		d. HTTP	
-			
	11.	Identify the process by which standards and traditions of behaviour, as	well as beliefs and
		other views, are passed down and propagated.	
		a. Individualism	

- b. Leadership
- c. Tactics
- d. Socialization





- 12. Authoritarian leaders make decisions without seeking input from anyone who reports to them, or none at all. Usually the style of authoritarian leaders' rule is referred to as _____.
 - a. Autocratic Style
 - b. Participative Style
 - c. Laissez-faire Style
 - d. Leadership Style
- 13. Identify the leadership style where everyone is given a chance to speak their minds at meetings and silent team members are specifically asked for their opinions to make sure all perspectives are heard.
 - a. Autocratic Style
 - b. Participative Style
 - c. Laissez-faire Style
 - d. Leadership Style
- 14. This theory of leadership focuses on the personality of a leader and suggests that certain inborn qualities make a leader. Identify the theory.
 - a. Trait Theory
 - b. Personality Theory
 - c. Group Theory
 - d. Inspiration Theory
- 15. For every student, teacher leaders are the perfect example to start learning about leadership skill.

Identify qualities that a teacher leader should demonstrate for student learning:

- A) Collaboration
- B) Empowerment
- C) Relationship
- D) Authoritative
- E) Ignorant
- a. A, B, C
- b. B, C, D
- c. C, D, E
- d. A, B, E
- 16. If the code assigned to 'ROSE' is 'ILHV', which of the following will be the correct code for the word 'TULIP'?
 - a. HGQSL
 - b. GFPRK
 - c. FEOQJ
 - d. KROEF





17. In a Family of 8 members (M, N, O, P, Q, R, S, T), there are 2 married couples and a widow. M is the Engineer and is married to a doctor. O is an architect and the wife of P. Q, a student who is the only child of O. S, the daughter of T, and the sister of R, who is the manager's niece. N, a teacher, is the mother of only M and P.

Who is the manager?

- a. T
- b. S
- c. P
- d. M
- 18. Find the missing term in given series:

167, 173, ____, 185, 191

- a. 177
- b. 175
- c. 179
- d. 180
- 19. Find the odd one out:

Introvert, Loner, Solitary, Extrovert

- a. Introvert
- b. Loner
- c. Solitary
- d. Extrovert
- 20. If in a certain code the word 'ZEBRA' is written as '2763182', then what would be the code for word 'LION'?
 - a. 13101615
 - b. 12915140
 - c. 1181413
 - d. 1491514





Section 2 - OHS

b. No fencing

c. Wrong layout of machineryd. Unguarded machinery

1.	As per IS- 9457, there are four safety colours i.e. Red, Yellow, Green and, to which a safety meaning is attributed. Which is the missing colour? a. Brown b. Blue c. Black d. Purple
2.	A company uses behavior-based safety to inform the management and employees about workplace safety. This would be done via a. Process Management b. Process Optimization c. Safety Operations d. Safety Observations
3.	Workers in a company are being provided safety training. Whom would this training benefit? a. Employees b. Employers c. Government d. Both A and B
4.	Which of the following assemblies is used to regulate the compressed air in a breathing apparatus? a. Face piece b. Cylinder assembly c. Regulator assembly d. Back piece assembly
5.	A firefighter is trying to control a fire accident. He is using a CO2-type extinguisher for the task. After the job, how will he find the discharge horn of the extinguisher? a. Warm b. Extremely Cold c. Cold d. Extremely Hot
6.	Which of the following is NOT related to mechanical hazard under occupational health hazards? a. No safety device





- 7. Ram is assigned to work at a particular height and due to this he has to use a ladder to complete the job. In this situation, how many point(s) of contact he should maintain with the ladder?
 - a. At least three
 - b. Four
 - c. One
 - d. At least two
- 8. A ladder should be turned so that its foundation is 1 foot far from the wall. What should be the ladder's height for every feet away from the wall?
 - a. 4
 - b. 2
 - c. 8
 - d. 10
- 9. Among the following options, on which type of fire, a Class B type fire extinguisher should NOT be used?
 - a. Paper
 - b. Paint
 - c. Grease
 - d. Oil
- 10. Which of the following correctly represents the properties of safety shoes necessary for maintaining the safety of feet?
 - a. The shoes should be close-toed, non-slip, and made of thick material.
 - b. The shoes should be made from rubber.
 - c. The shoes should be resistant to dirt.
 - d. The shoes should have spikes for better grip and quick movement.
- 11. In any industry, it is necessary to have a safety manager to protect the company and workers from common workplace hazards.

Which of the following are the key responsibilities of a safety manager?

- 1. Preparation and growth of the workers in the safety practices
- 2. Judgment of requirement of safety procedures
- 3. Modifying the work process to make it more inclined toward safety
- 4. Regular testing and monitoring of the working environment
- a. 1, 2 and 3
- b. 1, 2, 3 and 4
- c. 1, 2 and 4
- d. 1 and 2





- 12. "To achieve continuous improvement in safety efficiency, choose the correct option, which leads to the use of methods of applied behaviour analysis.
 - a. Strategic behavioral analysis (SBA)
 - b. Behavior-based safety (BBS)
 - c. Providing feedback
 - d. Observing to gather data on behaviors

13.	Where	or more workers are employed in a factory, there shall be a Safe	ety
	Committee in th	e factory.	

- a. 100
- b. 150
- c. 200
- d. 250
- 14. Who performs the joint site inspection before issuing the work permit?
 - a. Workers and permit receiver
 - b. Workers and permit issuer
 - c. Area manager along with workers
 - d. Permit issuer and receiver
- 15. Indian Standard for Accident Prevention tags is _____
 - a. IS: 3786
 - b. IS: 8095
 - c. IS: 8519
 - d. None of the above
- 16. Which of the following type of detector is NOT used as an actuator of fire protection system?
 - a. Line-type photoelectric smoke detectors
 - b. Rate-of-rise heat detectors
 - c. Flame detectors
 - d. Nitrogen sensors
- 17. According to Heinrich's theory, what percent of accidents occur at the workplace due to unsafe behaviour?
 - a. 85%-90%
 - b. 15%-20%
 - c. 25%-35%
 - d. 50%-60%
- 18. What are the hazards associated with machine operation?
 - a. Unguarded machine parts
 - b. Vibration





- c. Flying objects during chipping & cutting works
- d. All of the above
- 19. What is the purpose of machine guarding?
 - a. To provide the physical barrier
 - b. To prevent machines to breakdown
 - c. To prevent machines to damage mechanically
 - d. All of the above
- 20. The purpose of a lock-out/tag-out (LOTO) procedure is to _____
 - a. Improve productivity on the job
 - b. Secure harmful energy sources to prevent injury
 - c. Slow down work so technicians are less stressed
 - d. Identify personal items to avoid theft
- 21. Arc blast is caused by _____.
 - a. poor contact within electrical wire splices
 - b. radio frequency omissions from high-power transmitters
 - c. ionization of gases near high-voltage electrical conductors
 - d. discharge of high electrical current through open air
- 22. The minimum height of toe board should be _____
 - a. 1 cm or more
 - u. __ u... u. ... u...
 - b. 5 cm or more
 - c. 10 cm or more
 - d. None of the above
- 23. A job safety analysis is required to be followed in a company for better and safer working conditions.

Which of the following has to be checked?

- I) Work Area
- II) Men
- III) Tools
- a. I and II
- b. I and III
- c. II and III
- d. I, II and III
- 24. What type of hazard in the workplace represent noise greater than 85 dB?
 - a. Biological hazard
 - b. Chemical hazard
 - c. Physical hazard





- d. Ergonomic hazard
- 25. Which of the following is defined as a hazardous area created by two or more mechanical parts rotating in opposite direction within the same plane and in close interaction?
 - a. Pinch point
 - b. Nip points or bites
 - c. Point of operation
 - d. Power transmission
- 26. Which of the following device can be used as an appliance to estimate earthquakes?
 - a. Oscillograph
 - b. Seismograph
 - c. Bar graph
 - d. Telegraph
- 27. Under the Factory Act of 1948, in which section it is described regarding the safeguards of machinery?
 - a. Section 21 to 40
 - b. Section 1 to 20
 - c. Section 41 to 60
 - d. Section 61 to 80
- 28. Which of the following option correctly describes the term "PASS"?
 - a. Pick up, Aim, Squeeze, Squirt
 - b. Pull, Aim, Squeeze, Sweep
 - c. Push, Alarm, Swirl, Sweep
 - d. Pull, Aim, Swirl, Swat
- 29. Which among the following can affect the brain growth of children?
 - a. Nitrogen
 - b. Zinc
 - c. Boron
 - d. Lead
- 30. What is the test load of the lifting gear of having 25 tonnes of SWL?
 - a. 50 tonnes
 - b. 25 tonnes
 - c. 37 tonnes
 - d. 75 tonnes
- 31. How many notifiable diseases are listed in the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Central Rules, 1998?
 - a. 29





- b. 30
- c. 15
- d. 31
- 32. Among the following, which are the hazardous processes specified under the Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Central Rules, 1998?
 - a) Roof Work
 - b) Demolition
 - c) Work in confined Spaces
 - d) Steel erection
 - a. Only a and c
 - b. Only c
 - c. Only a and b
 - d. All of the above
- 33. John is a construction worker working at a height. He has been asked to fix the top of a tall building. For John's safety, what must be done?
 - a. Several People standing under for protection
 - b. Safety nets
 - c. Strong machinery
 - d. Both B and C
- 34. Due to the Bhopal gas tragedy, among the following given chemicals, identify the one that is liable for the lung disease.
 - a. Methylcyanate
 - b. Methylisocyanate
 - c. Methyl
 - d. Methylisocyanide
- 35. Duke is working in a foundry within a company and he is having a lung infection due to that.

 Among the given options, which substance's presence in the foundry may cause this infection?
 - a. Carbon
 - b. Dust
 - c. Methane
 - d. Slags
- 36. Which type of fire cannot be addressed with water?
 - a. Class A
 - b. Class D
 - c. Class B





- d. Class C
- 37. For carrying out a Process Hazard Analysis such as HAZOP, the team will need to have all of the following safety information, except:
 - a. A block flow diagram or simplified process flow diagram
 - b. Plant layout
 - c. Area electrical classification
 - d. Applicable design codes & standards
- 38. The catastrophic failure of a hydrocarbon storage tank due to intense heating from an external fire is commonly known as:
 - a. UCVCE
 - b. CE
 - c. Cascading effect
 - d. BLEVE
- 39. A hazardous chemical can be identified by which of the following number?
 - a. ID number
 - b. UN number
 - c. NFPA number
 - d. Hazard Index number
- 40. In risk estimation, a FN-Curve depicts which of the following risk?
 - a. Individual risk
 - b. Process risk
 - c. Societal risk
 - d. None of the above
- 41. Emergency Information Panel contains:
 - a. Class Label
 - b. UN number
 - c. HAZCHEM code
 - d. All of the above
- 42. The chemical involved in Flixborough disaster was _____.
 - a. Methyl isocynate (MIC)
 - b. Tetrachloro Dibenzatioxin (TZ DD)
 - c. Cyclohexane
 - d. None of the above
- 43. Transporting hazardous material by road require proper identification as per which statutes?
 - a. The Motor Vehicles Act, 1988
 - b. The Environment (Protection) Act, 1986,





- c. The Factories Act, 1948
- d. The Dangerous Machines (Regulation) Act, 1983
- 44. Among the following gases which one is flammable?
 - a. Carbon Dioxide
 - b. Carbon Monoxide
 - c. Chlorine
 - d. Nitrogen
- 45. Among the following words, which is not a guide word of HAZOP study?
 - a. NO
 - b. LESS
 - c. GOOD
 - d. MORE
- 46. Which colour is being used in a hazard class label for explosives substances?
 - a. Red
 - b. Green
 - c. White
 - d. Orange
- 47. IS 2825, the code for unfired pressure vessels, does NOT include which of the following?
 - 1. Pressure exceeding 200 kgf/cm2.
 - 2. When the ratio of outside to inside diameter of the shell is more than 1.5
 - 3. Vessels ID not more than 150 mm.
 - a. 1 only
 - b. 1 and 2 only
 - c. 2 and 3 only
 - d. All Three
- 48. In a HAZCHEM code, e.g. LPG HAZCHEM code is 2WE, what does the number 2 indicates?
 - a. Extinguishing medium
 - b. Hazard level
 - c. Serial No.
 - d. Molecular weight
- 49. What is the word used to describe a chemical reaction which absorbs heat?
 - a. Exothermic reaction
 - b. Continuous reaction
 - c. Endothermic Reaction
 - d. None of the above





50.		per IS: 3786, scheduled charges in days of earning capacity lost due to amputation
		ough shoulder joint upper limb (either arms) is
	a.	4200 days
	b.	3600 days
	C.	6000 days
	d.	5400 days
51.	Saf	ety performance is measured usually through
	a.	Leading indicators
	b.	Lagging indicators
	c.	Both a & b
	d.	None of the above
52.	In o	case of accident, if the worker does NOT report to the duty within tis known as
	Rei	portable accidents.
	a.	48 hrs
	b.	24 hrs
	c.	36 hrs
	d.	54 hrs
53.	Wł	ny should near miss be reported?
	a.	To ensure complete recovery
	b.	To meet legal requirement
	c.	To prevent occurrence of a more serious incident
	d.	To test the first aider
54.	Fre	quency Rate = ? X 1000000 / Total man-hours worked as per Indian Standard 3786. Find .
	a.	No. of persons employed
	b.	No. of days of absent from work
	c.	No. of injury(s)
	d.	No. of man-day(s) lost
	1	
55.	In a	particular factory, the number of injuries occurred per year are 6, the number of
	wo	rkers working in the factory are 600, and the average number of hours worked by a
	wo	rker per year is 1000. Determine the frequency rate of injury in the factory.
	a.	Frequency rate = 6
	b.	Frequency rate = 8
	c.	Frequency rate = 10
	d.	Frequency rate = 5

56. Suppose you are in the risk assessment control team in your plant, and you are given the

task of identifying why the problem occurred in the first place.





Which root cause tool is best suitable for finding potential causes?"

- a. Fault tree analysis
- b. Pareto chart
- c. Scatter plot diagram
- d. Fishbone diagram
- 57. As per the section 36-A of the Factories Act, 1948, ______ volts of electric light is permitted for working in a confined space.
 - a. 60
 - b. 220
 - c. 240
 - d. 24
- 58. In an industry, several machines are operating, the temperature at this location is very high, and the surroundings are hot. Which of the following would be true here?
 - a. More ventilation leading to more stress
 - b. More ventilation leading to health issues
 - c. Low ventilation leading to less stress
 - d. Low ventilation leading to health issues
- 59. Noise hazard is required to be avoided in an industry. The exposure of sound here is 85 dB (A). For how many hours at maximum can this sound be heard before causing issues?
 - a. 14
 - b. 8
 - c. 5
 - d. 3
- 60. A scientist is looking for a parameter that can be expressed by using candela. Among all the options, which one parameter could be suitable for him?
 - a. Frequency
 - b. Luminous flux
 - c. Luminous intensity
 - d. Wavelength
- 61. Elbert is looking for an earplug that possesses a fixing agent and silicon rubber. From the given options, which one could be used by him?
 - a. Prefabricated earplugs
 - b. Semi insert protectors
 - c. Canal caps
 - d. Custom moulded earplugs
- 62. What is the short term exposure time limit for certain chemicals/substances specified in the Section 41-F of the Factories Act, 1948?



d. I, II and III



	a.	60 minutes
	b.	15 minutes
	c.	10 minutes
	d.	8 hours
63.	In a	any factory, the air movement should be of at least meters per minute.
	a.	60
	b.	15
	c.	30
	d.	45
64.	The	e general illumination in a factory where people are regularly employed shall not be less
	tha	in lux measures in the horizontal plane at a level of 90 centimetres above the floor
	a.	65
	b.	85
	c.	105
	d.	45
65.	Wh	nich one of the given options can be implemented in a workplace to prevent hearing loss?
	a.	Always wear ear protection everywhere you go
	b.	Monitor noise levels through engineering and administrative controls to minimize over
		exposure
	c.	No need to wear PPEs
	d.	Monitor your hearing loss over time with a routine hearing test
66.	The	e safety of worker's life and person's property is to be maintained from the dangers of
	ste	am boiler explosion. In which year an act was passed for this?
	a.	1923
	b.	1935
	c.	1905
	d.	1915
	1	
67.	As	per the Petroleum act passed in 1934, which of the following is checked concerning
	pet	roleum?
	I) R	tefining
	II) I	Blending
	III)	Import
	a.	I and II
	b.	I and III
	c.	II and III





68.	The	government discovered the possession and importation of explosive goods by an
	_	anisation. According to which act does the government have the authority to prohibit the
	ma	nufacture of such substances?
	a.	The Explosives Act, 1984
	b.	Hazardous Explosives Act,1983
	c.	Hazardous Explosives Act,1883
	d.	The Explosives Act, 1884
69.	Am	ong the following, what should be the exceeding capacity of the container for a class C
	pet	roleum so that its type can be approved by the Chief controller of Explosives?
	a.	5 liters
	b.	1 liter
	c.	3 liters
	d.	2 liters
70.	As	per Rule 74 of the Petroleum Rules 2002, vehicles carrying petroleum by road, shall not
	be	parked at a place within meters of any source of fire.
	a.	11
	b.	8
	c.	9
	d.	10
71.	As	per model factory rules First-aid box is to be provided for every workers in a
	fac	tory.
	a.	50
	b.	160
	c.	135
	d.	125
72.		per the classification in the Petroleum Rules, 2002, the Petroleum Class "B" means
	a. •	Petroleum having a flash point of 23° C and above but below 65° C
•	b.	Petroleum having a flash point of 65° C and above but below 93° C
	C.	Petroleum having a flash point below 23 ^o C
	d.	Petroleum having a flash point above 93° C

- 73. Under the Provisions of which Act, the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 have been notified?
 - a. The Factories Act, 1948
 - b. The Explosive Substances Act, 1908
 - c. The Environmental (Protection) Act, 1986
 - d. None of the above





74.	Whether "National Policy on Safety, Health & Environment at workplace" is available in
	India?
	a. No
	b. Not sure
	c. Yes
	d. None of the above
75.	Under which section of the Factories Act, 1948 the notifiable diseases are listed?
	a. 89
	b. 95
	c. 106
	d. 42
76.	The maximum travel distance for fire exit specified in the model Factories Rule is
	a. 50 meters
	b. 40 meters
	c. 30 meters
	d. 20 meters
77.	The Health & Safety Policy to be signed by as per the Factory Model Rules under
	the Factories Act, 1948.
	a. Occupier
	b. Medical Officer
	c. Safety Officer
	d. Fire Officer
78.	Every wire rope of lifting appliances used at construction work is required to be inspected by
	a responsible person at least
	a. every 12 months
	b. every 36 months
	c. every 3 months
	d. every 60 months
79.	What is the frequency of testing of lifting appliances after erecting at construction site as per
	BOCW Rules, 1998?
	a. every 3 years
	b. every 5 years
	c. every 2 years
	d. every 1 year
80.	How many industries are categorised as hazardous processes under the section 2 (cb) of the
	Factories Act, 1948?
	a. 26





- 30 b.
- 40 c.
- 29 d.

WATIONAL SAFETY COUNCIL





Section 3 - Environment

- 1. As per Biomedical Waste Management Rules 2016, what is the colour of the baggage in which sharp types of medical waste must be packed?
 - a. Yellow
 - b. Red
 - c. White translucent
 - d. Blue
- 2. The diesel generators manufactured after 1st Jan 2005 need to adhere to the noise pollution standards. What is the maximum noise permitted for the DGs?
 - a. 50 dB for a DG capacity of above 1000 KVA
 - b. 75 dB for a DG capacity of upto 1000 KVA
 - c. 75 dB for a DG capacity of above 1000 KVA
 - d. 50 dB for a DG capacity of upto 1000 KVA
- 3. If the stack should be 3.5 m above the building height, what is the capacity of the Diesel Generator?
 - a. 250 to 300 KVA
 - b. 300 to 350 KVA
 - c. 100 to 150 KVA
 - d. 200 to 250 KVA
- 4. What is the standard for the TDS for the discharge of effluents from Tanneries as per the Central Pollution Control Board?
 - a. 2100 mg/L
 - b. 2200 mg/L
 - c. 2000 mg/L
 - d. 1900 mg/L
- 5. Name the card that must be carried by the people involved in transportation of hazardous wastes.
 - a. TREM Cards
 - b. OSHA cards
 - c. MSDS Cards
 - d. TRAM Cards"
- 6. As per pollution control index, CPCB have categorized industrial sectors in 4 categories. Among the following, which is not a part of the categories?
 - a. White
 - b. Green
 - c. Red
 - d. Brown





7.		Per the National Ambient Air Quanty Standards, the concentration of PM10 in ambient at Industrial area for 24 hours in microgram/m3 is
		60
	a.	
	b.	120
	C.	100
	d.	30
8.	In I	India, the limit of Ambient Air Quality Standards with respect to noise [dB(A) Leq] for
	res	sidential areas is
	a.	90
	b.	55
	c.	75
	d.	85
9.		nich of the following wastes can be recycled?
	1. (Glass bottles
	2. (Candy wrappers
	3. ا	Paper
	4. (Ceramic items
	a.	1, 2 and 3
	b.	1 and 2
	c.	3 and 4
	d.	1 and 3
10	\/F	R is a type of carbon credit that is represented by which of the given options?
10.	a.	Voluntary Emission Reduction certified by third party
	b.	Valued Emission Reduction certified by third party
	о. С.	Valued Emission Reduction
	d.	Voluntary Emission Reduction
	u.	voluntary Emission Reduction
11.	Wł	nat are the real-time air and water quality monitoring systems?
	a.	CEMS - Air, CEQMS – Water
	b.	CAAQMS - Air, CEMS – Water
	c.	CEMS - Air, CAAQMS – Water
	d.	CEQMS - Air, CEMS - Water
12	Oh	serve all the options and identify the option which is NOT a result of burning fossil fuels.
12.		Increased ethane levels
		Increased greenhouse gases
	C. Ł	Emission of carbon dioxide

d. Emission of hydrogen gas





- a. b and d
- b. a and d
- c. a and c
- d. a, c and d
- 13. Which option is incorrect regarding greenhouse impact?
 - a. Life on earth is possible due to the greenhouse effect.
 - b. More the emission of greenhouse gases, more the temperature of the earth's atmosphere.
 - c. Increased emission of greenhouse gases is a natural process.
 - d. The greenhouse effect is a natural process that maintains the earth's temperature.
- 14. Which is NOT correct for the comparative contribution of different greenhouse gases to complete global warming?
 - a. Methane 20%
 - b. CFCs 14%
 - c. Carbon dioxide 60%
 - d. $N_2O 12\%$
- 15. Among all the greenhouse gases, which one has the highest atmospheric lifetime?
 - a. Methane
 - b. Nitrous oxide
 - c. CFC
 - d. Carbon tetrafluoride
- 16. Observe the given options and identify the one which is correct regarding the half-life period of methane.
 - a. 10 years
 - b. 50-55 years
 - c. 28-36 years
 - d. 100 years
- 17. Among all the options, which option describes Carbon Sequestration?
 - a. Storage of CO2 by depositing it in the reservoir
 - b. Removal of CO2 from the atmosphere & storing it by depositing it in the reservoir
 - c. Storage of carbon dioxide by sedimentation
 - d. Removal of CO2 from the atmosphere
- 18. Observe and identify the one which is not a sink for carbon.
 - a. Living beings
 - b. Ocean
 - c. Soil





- d. Forest
- 19. Identify which among the following is NOT a renewable source of energy.
 - a. Hydro-power
 - b. Biomass energy
 - c. Solar energy
 - d. Geothermal energy
- 20. Identify the one which is a drawback of most renewable energy sources.
 - a. Unreliable supply
 - b. High waste disposal cost
 - c. Highly pollution inducing
 - d. High running cost





Answer Key

Section 1

Q No	1	2	3	4	5	6	7	8	9	10
Answer	b	b	а	b	d	С	а	а	b	b

Q No	11	12	13	14	15	16	17	18	19	20
Answer	d	а	b	а	а	b	С	С	d	а

Section 2

Q No	1	2	3	4	5	6	7	8	9	10
Answer	р	d	d	С	b	С	a	а	а	а

Q No	11	12	13	14	15	16	17	18	19	20
Answer	С	b	d	d	b	d	а	d	а	b

Q No	21	22	23	24	25	26	27	28	29	30
•										
Answer	d	С	b	C	b	b	a	b	d	a

Q No	31	32	33	34	35	36	37	38	39	40
Answer	С	d	b	b	b	b	b	d	b	С

Q No	41	42	43	44	45	46	47	48	49	50
Answer	d	С	а	b	С	d	d	а	С	d

Q No	51	52	53	54	55	56	57	58	59	60
Answer	С	а	С	С	С	d	d	d	b	С

Q No	61	62	63	64	65	66	67	68	69	70
Answer	d	b	С	а	b	а	d	d	а	С





Q No	71	72	73	74	75	76	77	78	79	80
Answer	а	а	С	С	а	С	а	С	b	d

Section 3

Q No	1	2	3	4	5	6	7	8	9	10
Answer	С	b	d	а	а	d	С	b	d	С

								11.		
Q No	11	12	13	14	15	16	17	18	19	20
Answer	a	b	С	d	d	С	b	a	b	а
				S						