		Reg. No.			
			E EXAM d to 8 th S		ATION, MAY 2019 ester
N. A					LYSIS IN PROCESS INDUSTRIES ic year 2015 – 2016 to 2017 – 2018)
Note: (i) (ii)	ove	 t - A should be answered in OMR t to hall invigilator at the end of 45 t - B and Part - C should be answered 	th minute.		first 45 minutes and OMR sheet should be handed booklet.
Time: T	hree l	Hours			Max. Marks: 100
			A (20 × ver ALL		20 Marks) estions
1.		y should regular inspections of To check whether the venyironment is safe			ace take place? To check that all employees are present
	(C)		ng their	(D)) To prepare for a visit from on HSE inspector
2.	(A)	v can you help to prevent accide Don't report them Report any unsafe conditions	ents?		Know how to get help quicklyKnow where the first aid kid is kept
3.	Who (A) (C)	o is responsible for signing a co Site manager Company secretary	ompany s	(B)	ty policy?) Company safety officer) Managing director
4.	-	osure to asbestos fibres many c Dermatitis Glandular fever	ause wh	(B)) Asthma
5.					any's written health and safety policy? Organization and arrangements in force for carrying out the health and safety policy
	(C)	Name of the health and adviser	safety	(D)) Company directors home address
6.	(A)	space.	working	(B)) Air in the space may be unbreathable due to poisonous gas
		may affect to worker			All of the hazardous mentioned
7.	(A)	Has the job been priced prope	rly	(B)	o carryout work in a confined space? Have the correct tools been arranged Can the work be done from the outside
8.		$_0$ absorbed orally in rats is a < 2	25 mg/kg		
	. ,	Very toxic		` ') Toxic) None of the above

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9.	Threshold limit value defined as the concentration to which the average worker could be exposed to
	(A) Day by day, for 8 hours a day, 5 days (B) One day a week, without suffering harm
	(C) 8 hours a day (D) One week
10.	How would you recognize a hazardous substance?
	 (A) By a symbol on the container (B) By its smell (C) The colour of the label on the (D) It will be in a suitable container container
11.	What action should you take if you discover a fire?
	(A) Leave it because you will get the (B) Raise the alarm blame
	(C) Carry on working if it is safe to do so (D) Extinguish the fire without raising the alarm
12.	What is a fire assembly point?
	(A) The place to go when the fire alarm (B) A place where the fire brigade goes to sounds
	(C) A place where fire extinguishers are (D) The place where the fire alarm is kept
13.	What should you do if you hear the fire alarm? (A) Ignore it because it might be (B) Leave work for the day someone playing around
	(C) Evacuate the premises to a (D) Go towards the sound to find out what is designated place of safety going on
14.	Why should a serious accident be reported to the enforcing authority? (A) It helps the site find out what caused (B) It is a legal requirement it
	(C) So that the site manager can see who (D) So that the company will be held is to be blame responsible
15.	What immediate action should you take if you suffer an injury through carrying a load? (A) Advise your doctor of your injury (B) Tell your supervisor or employer (C) Tell you working companion (D) Carry on working as best as you can
16.	In the context of a risk assessment, what do you understand by the term risk? (A) An unsafe act or condition (B) Something with the potential to cause
	injury (C) Any work activity that can be (D) The likelihood that harm from a particular described as dangerous hazard will occur
17.	What is a hazard? (A) Where an accident is likely to (B) An accident waiting to happen happen
	(C) Something with the potential to (D) The likelihood of something going wrong cause harm
18.	Why may young people be more at risk on SHE?
	(A) There to no specific legislation (B) They are usually left to work alone to gain applying to them experience
	(C) There is no requirement to provide (D) They are inexperienced and may not PPE to young people recognize danger

19.	What colours are fire exit signs? (A) Green and white (B) Red and yellow						
	(A) Green and white(B) Red and yellow(C) Red and white(D) Blue and white						
20	What is the main colour on a sofety size station that were most act to consthing?						
20.	What is the main colour on a safety sign stating that you must not do something? (A) Blue (B) Green						
	(C) Red (D) Yellow						
	$PART - B (5 \times 4 = 20 Marks)$						
	Answer ANY FIVE Questions						
21.	What are the duties of a safety officer?						
22.	What control measures are necessary in confined space?						
23.	What are the duties of a supervisor?						
24.	What is safety audit?						
25.	What are the advantages in good housekeeping?						
26.	What are advantages of job safety analysis?						
27.	What are the ways of control the occupational hazards?						
	$PART - C (5 \times 12 = 60 \text{ Marks})$ Answer ALL Questions						
28. a.	Discuss about importance of safety consciousness in Indian chemical industries?						
h	(OR) Discuss on the importance of training for workers?						
0.	Discuss on the importance of training for workers?						
29. a.	Explain the factors included during the design and construction of HP reactor.						
	(OR)						
Ъ.	Describe the methods by which dangerous toxic chemicals can be handled?						
30. a.	Investigate the Bhopal accident.						
	(OR)						
Ъ.	What are the fire fighting equipments used in are accident? Explain.						
31. a.	Write in detail about the procedure for calculation of the dow fire and explosion index.						
ъ.	(OR) Show that nitric acid plant is light hazard plant by applying fire and explosion index.						
32. a.	Explain in detail about environmental pollution control.						
	(OR)						
ъ.							

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