## P. P. SAVANI UNIVERSITY

Fourth Semester of B.Sc. fire & safety Examination December -2022

SSFS2080-Safety equipment and documentation

12.12.2022, Monday Time: 09:00 a.m. to 11:30 a.m. Maximum Marks: 60

## Instructions:

- 1. The question paper comprises of two sections.
- 2. Section I and II must be attempted in separate answer sheets.
- 3. Make suitable assumptions and draw neat figures wherever required.
- 4. Use of scientific calculator is allowed.

## Section-I (Total Marks - 30)

- Q.1 Short Questions
- 1.1 Objectives(10MCQ Compulsory-0.5 mark each)

[05]

[10]

- 1.1a Safety indications represent
  - A It is combustible
  - B Not flammable
  - C Both
  - D None of this
- 1.1b What should you do determine the best personal safety for the job?
  - A Conduct hazard analysis
  - B Find out what they wearing
  - C Use good common sense
  - D None of this
- 1.1c Which respirator requires more availability breathable air?
  - A Supplied air
  - B Mask-loose fitting
  - C Powered air supply
  - D Mechanical air supply
- 1.1d. Which respirator provide positive air supply over longer period?
  - A air purifying respirator
  - B Compressed air breathing apparatus
  - C Supplied air
  - D Non-powered air purifying respirator
- 1.1e Standard proof tested to 20000volts for helmet.
  - A Class a
  - B Class b
  - C Class c
  - D Class d

	1.1f PPE helmet required to be worn when there is a	
	1 Otential fall risk present	
	B Electrical hazard	
	C Danger being caught	
	D Possibility of crush	
1	1- W.D.	
1	.1g Welding protective shields protect from eye burn injury	
	True	
	B False	
	C May be possible	
	D None of this	
1	1b ppp	
1.	1h PPE consist of	
	A Respiratory protection equipment	,
	B Helmet	
	C Shoes	
	D All above	
1.1	li Whi-L	
1.	Which material used to make the cloth of fire fighters?	
	W001	
	- 550011	
	- maniq	
1.1	- 111 0000	
1.1	j Breathing tube shall be A Flexible	
	B rigid C Brittle	
	D All above	
	b An above	
1.2	Answer the Following Co.	
1.2	Answer the Following: (Definition-1 marks ) Hazards	[05]
1.21		[63]
1.20	Maintenance	
	Accident	
	Machine hazard	
	Tazaru	
Q.2	Short Notes (Attempt any two-3 mark each)	
A	Write down type of the lifting equipment.	[06]
В	Explain maintenance associate designment.	1001
С	Explain maintenance associated risk during maintenance operation  Write down maintenance properties	
	Write down maintenance preventive measure.	
Q.3	Explain in detail (Attempt any two-7 mark each)	
A	Write down the preventive massive (	[14]
В	Write down the preventive measure for the use of hand tools.	[]
C	Write down the preventive measures for the use of hand tools.  Explain mechanical and electrical hazards.	
	and electrical nazards.	

Q.1 1.1	Short Questions	[10]
	Objectives(10MCQ Compulsory-0.5 mark each)	[05]
1.1d	Company are required to  A Provide all types of PPES	
	B PPE training	
	C Both	
	D None of this	
	D Notic of this	
1.1b	Eye protection should be	
	A Durable	
	B Good fitting	
	C Lite weight	,
	D All above	
1.1c	Issuer must stop the work	
	A If job site found unsafe	
	B Issuer loose the copy	
	C Both	
	D None of this	
1.1d	If work permit is not issued during emergency	
	A All safety precautions must be taken	
	B Wear PPES	
	C Do site inspection	
	D All above	
1.1e	The receiver must stop the work	
	A If the worksite become unsafe	
	B Issuer leave the site	
	C Both	
	D None of this	
.1f	Which of the following is not a restricted area	
	A · Dump site	
	B Oil storage area	
	C Gas storage area	
	D All of the above	

1.:	tg Purpose of work permit system	
	A To authorized the specific work to be done at site	
	B Make document only	
	C To start the work quickly	
	D All of the above	
1.1	h What do you call an area where work permit required	
	A Restricted area	
	B Sensitive area	
	C Controlled area	
	D Dangerous area	
1.1	W	
1.1	to doe work per lift in nazardous area to identify	
	h Hazarus and precautions	,
	B Expired permit C Both	
	- 2011	
1.1j	- Mi of the above	
1.1,	Por mit dutifor ized for	
	position work at specific location	
	B Specific tools at general	
	D None of this	
	2 Note of this	
1.2	Answer the Following (Definite	
1.2a	Answer the Following: (Definition-1 mark each )  Mechanical hazard	[05]
1.2b		
1.2c		
1.2d	Personal protective equipment	
1.2e	Cost of accident	
Q.2	Short Notes (Attempt any two-3 mark each)	
A	explain personal protective equipment	[06]
В	write down maintenance and care of personal protection	
C	Define anemometer and its types.	
0		
Q.3	Explain in detail (Attempt any two-7 mark each)	
A	Explain hispection and write various types of in-	[14]
В		
C	Prepare accident reporting form and investigation form	
	and the state of t	