

## SRI BHARATHI

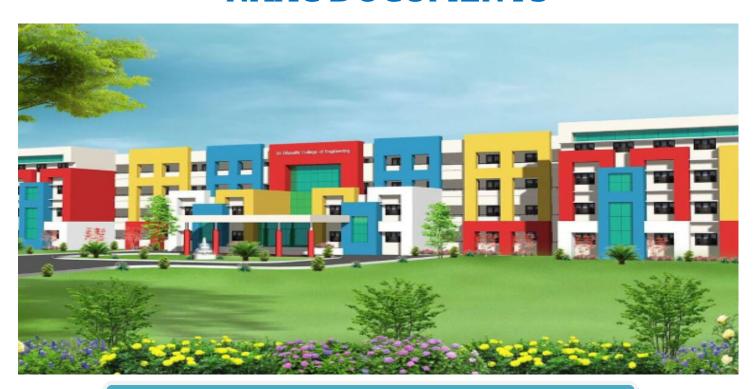
ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

### **NAAC DOCUMENTS**



Quality Indicator Frame Work

# Criterion – 1 CURRICULAR ASPECTS

Submitted by

IQAC
Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

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#### SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25 KAIKKURUCHI, PUDUKOTTAI – 622 303 DEPARTMENT OF CIVIL ENGINEERING

#### **ACADEMIC YEAR 2022-2023 / ODD SEMESTER**

### 1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

#### **AND**

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	CO	NSTRU	ISTRUCTION SAFETY AND PRACTICES									
	Er.S.Rawuther Appa B.E., M.Sc(Rev).,											
Resource Person: Senior Engineer,												
resource i ei	5011	Kama	al Consti	ructions,								
		Arant	hangi.									
Date of cond	uct fr	om:	03.08.202	22	To:	09.08	3.2022	<b>Duration:</b>	36 Hours	S		
Organized D	epartı	ment :	CIVIL E	NGINEERIN	G			<u>l</u>	1			
Participant		2/2/4		Comogton	OI	חר	N CC I I D		red: 25	-		
Year:		2/3/4 Semester: ODD No. of Students Registered:							reu: 25	,		
Venue: Fin	ue: First Floor - Lecture Hall : 30											

### TABLE OF CONTENTS

SNO	DOCUMENT	PAGE-NO
1	Certificate Course Circular	3-3
2	Certificate Course Schedule	4-4
3	List of students participants	5-6
4	Attendance Of Students	7-8
5	Certificate Course Report	9-9
6	Course Completion Certificates	10-12
7	Certificate Course Test Paper	13-16
8	Certificate Course Answer Key	17-17
9	Certificate Course Test Answer Sheet-Sample	18-29
10	Certificate Course Mark Statement	30-32

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### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Date: 29/06 /2022

### **DEPARTMENT CIRCULAR**

It is planned to conduct Value added course offered by the Department of Civil Engineering for all Second, Third & Final year Civil Engineering students on "Construction Safety and Practices" in association with Kamaal Constructions from 3.8.2022 to 9.8.2022. Certificates will be issued to the eligible participants at the end of the Course. The resource person details are shown in the following table.

S.No.	Name of the Course	Resource Person
1.	Construction Safety and Practices	Er.S.Rawuther Appa B.E., M.Sc(Rev)., Senior Engineer, Kamaal Constructions, Aranthangi.

Cc:

• Principal's Office

IQAC Coordinator

• Class In charges - II, III & IV-year of Civil Engineering

• II, III & IV-year Civil Engineering Students

Notice Board

HoD/Civil 16 HOD / CIVIL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
KAIKKURICHI,
PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

### Value Added Course on "Construction Safety and Practices"

### **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to construction industry and safety issues in construction	3	03.08.2022
2	Framing of contract conditions on safety and related matters	3	03.08.2022
3	Safety in various construction operations	3	04.08.2022
4	Familiarization with relevant Indian Standards and the National Building Code provisions on construction safety	3	04.08.2022
5	Material handling and equipment's-Safety in storage & stacking of construction materials	3	05.08.2022
6	Safety in temporary power supply and fire safety at construction site.	3	05.08.2022
7	Licensing of Contractors, Welfare and Health provisions in the Act and the Rules, Penalties, Rules regarding wages.	3	08.08.2022
8	Indian standard - trusses, girders and beams	3	08.08.2022
9	Code of Practices - Preventive measures against Hazards at work places Part 1 & 2	6	09.08.2022
10	Indian standard - Scaffolding	6	10.08.2022
	Total Hours	36	-

**VAC** Coordinator

HOD / CIVIL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI,

Dr. S.THILAGAVATHI M.E., Ph.D. PUDUKKOTTAI - 622 303 **PRINCIPAL** 

SRI BHARATHI ENGINEERING **COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.



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### DEPARTMENT OF CIVIL ENGINEERING

# ACADEMIC YEAR 2022-2023 (ODD SEM) STUDENTS PARTICIPATION LIST-VAC PROGRAM CONSTRUCTION SAFETY AND PRACTICES

ANCIVIE.		SELECTION STATES	e e
S.NO	REG.NO	NAME OF THE STUDENT	YEAR/BRANCH
1	912621103001	AKILA G	II/CIVIL
2	912621103002	GAYATHRI G	II/CIVIL
3	912621103003	JAYABHARATHI R	II/CIVIL
4	912621103004	JAYA MANOHARI B	II/CIVIL
5	912621103005	PRIYADHARSHINI A	II/CIVIL
6	912621103006	RABIA BANU M	II/CIVIL
7	912621103007	SHERLIN KAVYA B	II/CIVIL
8	912621103301	JENIFAR A	II/CIVIL
9 0	912621103302	KALAIARASI G	II/CIVIL
10 30	912620103001	ASWINI T	III/CIVIL
11	912620103002	<b>GEETHA M</b>	III/CIVIL
12	912620103003	KEERTHI S	III/CIVIL
13	912620103004	SUBATHRA S	III/CIŲIL
14	912620103301	BHAVANI S	III/CIVIL
15	912620103302	MEGALA V	III/CIVIL
16	912619103001	AJITHA T	IV/CIVIL
17	912619103002	ARULJENIFAR C	IV/CIVIL
18	912619103003	DIVYA V	IV/CIVIL

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PRINCIPAL
SRI BHARATHI ENGINEERING

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt.

19	912619103004	MANGAIYARKARASI G	IV/CIVIL
20	912619103005	MUTHULAKSHMI S	IV/CIVIL
21	912619103006	PRAVEENA S	IV/CIVIL
22	912619103007	PRIYADHARSHINI K	IV/CIVIL
23	912619103009	RAGAVI V	IV/CIVIL
24	912619103301	LILLY JOHN J	IV/CIVIL
25	912619103302	BHUVANI S	IV/CIVIL

VAC Coordinator

HoD/Civil

HOD / CIVIL
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## DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023 (ODD SEM)

### ATTENDANCE SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY AND PRACTICES

S.NO	REG.NO	NAME OF THE	YEAR/	DATE: 03.08.22		DATE: 04.08.22		DATE: 05.08.22		DATE: 06.08.22		DATE: 08.08.22		DATE: 09.08.22		NO OF SESSIONS	SIGNATURE OF THE
	Harseraforou	STUDENT	BRANCH	FN	AN	FN	AN	FN	AN .	FN	AN	FN	AN	FN	AN	ATTENDED	STUDENT
1	912621103001	AKILA G	II/CIVIL	1	1	1	1	1	1	1	./	1	1	1	1	12	Cy Akih
2	912621103002	GAYATHRI G	II/CIVIL	1	a	1	1	1	1	1	a	,	1	1	1	10	G. Gaspthin
3	912621103003	JAYABHARATHI R	II/CIVIL	1	1	1	1	1	1	1	1	,	1	1	1	12	R. Tayabh
4	912621103004	JAYA MANOHARI B	II/CIVIL	1	1	1	1	1	1	1	1	1	,	1	1	12	B. Juli GayHly
5	912621103005	PRIYADHARSHINI A	II/CIVIL	1	1	1	1	1	a	1	1	1	,	1	1	11	June 2001 A.
6	912621103006	RABIA BANU M	II/CIVIL	1	1	1	1	1	1	1	a	1	1	1	1	ii ii	M. RaBury
7	912621103007	SHERLIN KAVYA B	II/CIVIL	1	1	1	1	1	1	1	1	1	,	1	1	12	B. shil.
8	912621103301	JENIFAR A	II/CIVIL	1	a	1	1	1	1	1	1	1	a	1	1		A. Fart
9	912621103302	KALAIARASI'G	II/CIVIL	1	,	1	1	1	1	1	1	,	1	1	a		61. Kalajares)
10	912620103001	ASWINI T	III/CIVIL	1	1	1	a	1	1	1	1	1	1	1	1	1)	T. Aswin
11.	912620103002	GEETHA M	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	M. Gantha

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12	912620103003	KEERTHI S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	a		3. Karthi
13	912620103004	SUBATHRA S	III/CIVIL	1	1	1	1	1	1	1	1	1	1	1	^	12	3. Subatha
14	912620103301	BHAVANI S	III/CIVIL	1	a	1	1	1	1	1	1	1	1	1	1	1)	3
15	912620103302	MEGALA V	III/CIVIL	1	1	1	1	1	1	1	1	1	a	1	1	()	v. negl
16	912619103001	АЈІТНА Т	IV/CIVIL	1	1	1	1	1	1	1	a	1	1	1	1	11	Afetha
17	912619103002	ARULJENIFAR C	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	Pi
18	912619103003	DIVYA V	IV/CIVIL	1	1	1	1	1	a	1	a	1	1	1	1	10	Duya
19	912619103004	MANGAIYARKARASI G	IV/CIVIL	1	1	1	1	1	1	1	1	1	a	1	a	10	Markoujar
20	912619103005	MUTHULAKSHMI S	IV/CIVIL	1	i	1	1	1	1	1	1	1	1	1	1	12	Mens
21	912619103006	PRAVEENA S	IV/CIVIL	1	,	1	a	1	1	1	1	1	1	1	1	(1	Dercueens
22	912619103007	PRIYADHARSHINI K	IV/CIVIL	1	1	1	1	1	1	1	1	1	1_	1	1	12	Porceja
23	912619103009	RAGAVI V	IV/CIVIL	1	1	1	1	1	1	1	1	1	1	1	1	12	Ragari
24	912619103301	LILLY JOHN J	IV/CIVIL	1	1	1	a	010	1	1	1	1	)	1	1	11	4mm
25	912619103302	BHUVANI S	IV/CIVIL	1	1	1	1	1	a	1	1	1	1	1	a	10	Been

VAC Coordinator

HoD/Civil HOD / CIVIL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

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(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

### **Report on Value Added Course**

Title:

Construction Safety and Practices

Resource Person:

Er.S.Rawuther Appa B.E., M.Sc(Rev).,

Senior Engineer,

Kamaal Constructions,

Aranthangi.

Date of conduct from:

03.08.2022

To: 09.08.2022 Duration: 36 Hours

Organized Department:

CIVIL ENGINEERING

Participant Year:

2, 3, 4

Semester:

**ODD** 

No. of Students Registered:

25

Venue:

First Floor - Lecture Hall: 30

#### Outcome of Value Added Course (VAC): At the end of the Course, Students can able to

- Know real-world examples of on-the-job safety and health issues
- protect themselves and others from accidental deaths and injuries.
- understand hazards in the workplace can be controlled.
- learn and practice the skills they will need in the workplace.
- receive required training on equipment they will use, and work processes they will perform
- Develop a foundational understanding of safety systems.

No. of students successfully completed the VAC course is 25 students based on the following assessment process.

#### **Assessment Process**

- Students securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in VAC out of 100 marks)

Coordinator

COLLEGE FOR WOMEN SRIBHARATH

KAIKKURICHI. PUDUKKOTTAI - 622 303 Principal

COLLEGE FOR WOMEN KAIKKURICHI - 622 303.

PUDUKKOTTAI DISTRICT

Dr. S. THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGIN**EERING** COLLEGE FOR WOMEN Kalkkurchi - 622 303, Pudukkottai Dt.



### KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

### CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Ajitha T of IV Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



### KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

### CERTIFICATE OF PARTICIPATION

This is to certify that Ms. Aswini T of III Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S. THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Signature

Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



### KAMAAL CONSTRUCTION

24/4, Athippa Complex, Bharathidasan Street, Aranthangi-614616

Er. S. Rawuther Appa B. E., M. Sc. (REV)

Licensed Building Surveyor

### CERTIFICATE OF PARTICIPATION

This is to certify that Ms.Jayabharathi R of II Year B.E-Civil Engineering, Sri Bharathi Engineering College for Women, Pudukkottai has successfully completed the Value Added course on "Construction Safety and Practices" conducted from 03.08.2022 to 09.08.2022 (6days) during the Academic year 2022-2023.

Dr. S.THILAGAVATHI M.E.,Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. Signature

Er. S. Rawuther Appa B. E., M. Sc. (REV) Licensed Building Surveyor



Name of the Student:

### SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu - 622 303, India

#### DEPARTMENT OF CIVIL ENGINEERING

### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Na	ame of the Student:	Year/Sem:
Αl	U Register Number:	S. Which of the following cause of an a
	Value Added Course on "Constr	ruction Safety and Practices"
	MCQ QUESTIONS	25X4 = 100  Marks)
1.	While using ladder one should not lean sideways a) 40 cms	s more than c) 30 cms
	b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding a) Wearing safety equipment	accident? c) Performing with highly skilled working practice
	b) Doing things in one s own way	d) Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed ba) As it is more stable	
	b) As it looks better	d) All of the above
4.	Which cost is not included in direct accidents cos a) Medical care expenses for injured	ts? c) Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
5.	Carelessness is the cause of an accident that can be a) Planning, organization	be attributed to  c) Management
	b) Execution of work	d) None of the above
6.	The reason for considering safety include	any activity is defined as the difference as the difference at Lowerside.
	a) Humanitarian concern	c) Laws and Regulations
	b) Economic reasons	d) All the above
	O 49 3 M HOTAVADA HIM AG	Dr. S.THILAGAVATHIME DED

PRINCIPAL

**COLLEGE FOR WOMEN** Kaikkurchi - 622 303, Pudukkottai Dt.

7.	From the following, which one is not an act and	regulations for health and safety?.
	a) Building and other construction workers Act, 1996	c) The Delhi Building and other construction workers Act, 2000
	b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
0	Will of the College o	
8.	Which of the following cause of an accident car a) Use of unsuitable material	c) Unsuitable equipment
	b) Defective supervision of work	d) Unskilled operators
		MEDOUES
9.	is provided to safeguard scaffolding	against overturning,
	a) Standards	c) Put-logs
	b) Inclined rackers	d) Rails
10.	Which one of the following is not an important	element for maintaining safety in construction?
	a) Membership of trade union	c) Design methodology
	b) Management	d) Safety codes
11	. What is class D fire?	
	a) Oil and fats	c) Combustible metals
	b) Flammable liquids	d) Energized electrical equipment
12	. Pick up the incorrect statement from the following the law in	ng for various duties of a safety occurs stipulated
	in the law is: a) To advice the building workers for effective control of injuries	c) To check and evaluate effectiveness of action
	b) To carry out safety inspections of buildings	d) To comply with requirement of rules
13	. For work at height one should use	
	a) Safety belt	c) Both A and B
	b) Full body harness	d) None of these
14	. When the work is over the scaffolding should be any activity is defined as the difference between	1
	<ul><li>a) Lower side</li><li>b) Middle part</li></ul>	c) Upper side d) None of the above
	b) Widdle part	a) None of the above
		h) Economic reasons
Ph,	Dr. S.THILAGAVATHI M.E.	PRINCIPAL
	SRIBHARATHI ENGINEERI	SRI BHARATHI ENGINEERING

Kelkkorchi - 622 303, Pudukkonel Ot.

**COLLEGE FOR WOMEN** 

Kaikkurchi - 622 303, Pudukkottai Dt.

15. Which is the most accepted method of avoiding	accident?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d) Observing safety precautions related to job, machine and working place
<ul><li>16. For repair works at high level of multi storeyed</li><li>a) As it is more stable</li></ul>	
b) As it looks better	d) None of the above
<ol> <li>The key functions of safety management system</li> <li>Planning for safety,</li> <li>Organizing for safety,</li> <li>Scheduling for safety,</li> <li>Controlling for safety</li> </ol>	The field of the f
a) 1, 3 and 4 are correct	c) 1, 2 and 3 are correct
b) 2, 3 and 4 are correct	d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents cost	ts?
<ul><li>a) Medical care expenses for injured</li><li>b) Replacement cost of equipment and material damaged in accidents</li></ul>	c) Decrease in moral which affects productivity d) Fees for legal counsel
O. S.THILAGAVATHI M.E. Ph.D.	
19. How occupational disease caused in industrial er	nvironment?
a) Negligence	c) Improper handling of machines
b) Lack of knowledge	d) Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in	India in
a) 1956	c) 1986
b) 1976	D 1000
0) 1970	d) 1966
21. Whenever workmen have to excavate in trenches	
in depth, the trenches should be secure a) 2 m	
b) 1.5 m	c) 3 m d) 2.1 m
	) 2.1 m
Dr.	S.THILAGAVATHI M.E.,Ph.D.,
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22. If work of piling is to be carried out at night, used.	minimum lux luminae lights should be
a) 60 b) 200	c) 150 d) 100
23. As per the Heinrich theory, 88 % of accidents	
<ul><li>a) Unsafe physical condition</li><li>b) Unsafe mechanical condition</li></ul>	c) Unsafe act d) Natural calamities
24. How can frame designers contribute most eff a) By having a dialogue with those responsible planning and undertaking the work on site b) By a comprehensive series of notes on the drawings issued for construction	ele for c) By designing to keep the weight of each steel member as low as possible
going on?	n centering is in position and concreting of slab is
a) Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
bung qualis di anie le toname acasanya.  Leaning la gale al le consultation de la consult	S.THILAGAVATHI M.E., Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING
ондригования в серей в под при при под при	COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukköttai Dt.

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#### DEPARTMENT OF CIVIL ENGINEERING

#### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Value Added Course on "Construction Safety and Practices"

#### **ANSWER KEY**

1	ь	6	d	11	С	16	С	21	a
2	d	7	С	12	d	17	d	22	d
3	d	8	b	13	b	18	С	23	С
4	С	9	, b	14	С	19	d	24	С
5	d	10	a	15	d	20	d	25	a

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(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25). Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

### DEPARTMENT OF CIVIL ENGINEERING

### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Year/Sem: 11

PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kalkkurchi - 622 303, Pudukkottai Dt.

Name of the Student : Jaya Manokani

Kalkkurchi - 822 303, Pudukkoffal Dt.

Al	J Register Number: 912621 10300	from the second garageoff objects for the state of the second garageoff of the
	Value Added Course on "Constr	uction Safety and Practices"
	MCQ QUESTIONS	(25X4 = 100  Marks)
1.	While using ladder one should not lean sideways a) 40 cms	s more than c) 30 cms
	(b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding a) Wearing safety equipment	accident?  (c) Performing with highly skilled working practice
	b) Doing things in one s own way	d)Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed la. As it is more stable	ouildings needle scaffolding is preferred  c) As it will not obstruct traffic at ground level
	b) As it looks better	d) All of the above
4.	Which cost is not included in direct accidents cos a) Medical care expenses for injured	sts? © Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
	Carelessness is the cause of an accident that can ba) Planning, organization	c) Management
	b) Execution of work	d)None of the above
6.	The reason for considering safety include  A Humanitarian concern	c) Laws and Regulations
O d	b) Economic reasons	d) All the above  Dr. S:THILAGAVATHI M.E., Rh.D.,

	(Approved by AJC Tily, New, De
7. From the following, which one is not an act and a) Building and other construction workers Act, 1996	
b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8. Which of the following cause of an accident can	
a) Use of unsuitable material  Defective supervision of work	<ul><li>c) Unsuitable equipment</li><li>d) Unskilled operators</li></ul>
9 is provided to safeguard scaffolding	against overfurning.
a) Standards	c) Put-logs
(b) Inclined rackers	d) Rails
10. Which one of the following is not an important	element for maintaining safety in construction?
(a) Membership of trade union	c) Design methodology
b) Management	d) Safety codes
11. What is class D fire?	
<ul><li>a) Oil and fats</li><li>b) Flammable liquids</li></ul>	© Combustible metals d) Energized electrical equipment
12. Pick up the incorrect statement from the followi	ng for various duties of a safety occurs stipulated
<ul><li>in the law is:</li><li>a) To advice the building workers for effective control of injuries</li></ul>	c) To check and evaluate effectiveness of action
b) To carry out safety inspections of buildings	d) To comply with requirement of rules
13. For work at height one should use	
a) Safety belt	c) Both A and B
(b) Full body harness	d) None of these
14. When the work is over the scaffolding should be any activity is defined as the difference between	
a) Lower side	C Upper side
b) Middle part	d) None of the above
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O MS . THIS AGAVATHI M.E. Ph.D	Dr. S.THILAGAVATHI M.E.,Ph.D.,
SRIBHARATHI ENGINEERING	PRINCIPAL SRI BHARATHI ENGINEERING
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might, minimum - lux lummak lights should	22. If work of piling is to be carried out at
<ul><li>15. Which is the most accepted method of avoiding</li><li>a) Wearing safety equipment</li></ul>	g accident?  c) Performing with highly skilled working practice
b) Doing things in one's own way	d)Observing safety precautions related to job, machine and working place
	b) Unsafe mechanical condition
<ul><li>16. For repair works at high level of multi storeye</li><li>a) As it is more stable</li></ul>	ed buildings needle scaffolding is preferred c) As it will not obstruct traffic at ground level
b) As it looks better	(d) None of the above
<ol> <li>The key functions of safety management system</li> <li>Planning for safety,</li> <li>Organizing for safety,</li> <li>Scheduling for safety,</li> <li>Controlling for safety</li> </ol>	m are:  Otherwines issued for construction of below in the world be allowed to go below should be allowed to go below in the sound of the world below in the world be
<ul><li>a) 1, 3 and 4 are correct</li><li>b) 2, 3 and 4 are correct</li></ul>	c) 1, 2 and 3 are correct d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents co	sts?
<ul><li>a) Medical care expenses for injured</li><li>b) Replacement cost of equipment and material damaged in accidents</li></ul>	© Decrease in moral which affects productivity
19. How occupational disease caused in industrial e	environment?
a) Negligence b) Lack of knowledge	c) Improper handling of machines  Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) ir	India in
a) 1956	c) 1986
b) 1976	(d) 1966
21. Whenever workmen have to excavate in trenche in depth, the trenches should be secured.	
(a) 2 m	c) 3 m
b) 1.5 m	d) 2.1 m
	Dr. S.THILAGAVATHI M.E., Ph.D.,
	PRINCIPAL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
	Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at nig	ght, minimum lux luminae lights should be
used.	
a) 60 de aldest diese generalies (o	c) 150 mamquipa Vistas 2nnso W (n
b) 200	<b>(1)</b> 100
23. As per the Heinrich theory, 88 % of accid	dents were attributable to
a) Unsafe physical condition	Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
24. How can frame designers contribute mos	t effectivelyto ensuring steelwork is erected safely?
a) By having a dialogue with those respo	onsible for (c) By designing to keep the weight of
planning and undertaking the work on sit	te each steel member as low as possible
b) By a comprehensive series of notes or	n the d) By specifying that steel erectors should
drawings issued for construction	never exit the basket of a MEWP at height
25. Who should be allowed to go below slab	when centering is in position and concreting of slab is
going on?	4. Controlling for safety
(a) Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
Costs?	18. Which cost is not included by accident
Decrease in moral which affects produ	a) Medical care expens long night
a) Fees for legal counsel	b) Replacement costs
	Dr. S.THILAGAVATHI M.E.,Ph.D.,
	PRINCIPAL
	SRI BHARATHI ENGINEERING
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) in India in	
	a) 1956

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### DEPARTMENT OF CIVIL ENGINEERING

### ACADEMIC YEAR 2022-2023 / ODD SEMESTER

Name of the Student: And Jenifar. c	Year/Sem: IV/VII
AU Register Number: 9/26/9/03002	

Value Added Course on "Construction Safety and Practices"

	MCQ QUESTIONS	(25X4 = 100 Marks)
1.		
	a) 40 cms	c) 30 cms
	(b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding	accident?
	a) Wearing safety equipment	c) Performing with highly skilled working practice
	b) Doing things in one s own way	d Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed a) As it is more stable	buildings needle scaffolding is preferred  c) As it will not obstruct traffic at ground level
	b) As it looks better	d All of the above
4.	Which cost is not included in direct accidents coa a) Medical care expenses for injured	sts?  C Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
5.	Carelessness is the cause of an accident that can	be attributed to
	a) Planning, organization	c) Management
	b) Execution of work	d None of the above
6.	The reason for considering safety include	
	a) Humanitarian concern	c) Laws and Regulations
	b) Economic reasons	d) All the above
	THE TAVABLE HUT 3 30 L	Dr. S.THILAGAVATHI M.E., Ph.D.,

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INERECTOR COLLECT FOR 3YOAFE w Dollni, Allihated to Anna University, Channel 25)	
7. From the following, which one is not an act and a) Building and other construction workers Act, 1996	
b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8. Which of the following cause of an accident car a) Use of unsuitable material Defective supervision of work	n be attributed to organization?  (c) Unsuitable equipment (d) Unskilled operators
9is provided to safeguard scaffolding	g against overturning,
a) Standards	c) Put-logs
(b) Inclined rackers	d) Rails
10. Which one of the following is not an important a Membership of trade union	element for maintaining safety in construction? c) Design methodology
b) Management	d) Safety codes
11. What is class D fire?	(b) Doing things in one s own way
<ul><li>a) Oil and fats</li><li>b) Flammable liquids</li></ul>	C) Combustible metals d) Energized electrical equipment
<ul><li>12. Pick up the incorrect statement from the following in the law is:</li><li>a) To advice the building workers for effective control of injuries</li></ul>	ing for various duties of a safety occurs stipulated  c) To check and evaluate effectiveness of action
b) To carry out safety inspections of buildings	d To comply with requirement of rules
13. For work at height one should use	
a) Safety belt	c) Both A and B
(b) Full body harness	d) None of these
14. When the work is over the scaffolding should be any activity is defined as the difference between a) Lower side b) Middle part	
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15. Which is the most accepted method of avoi	ding assidant?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d) Observing safety precautions related to job, machine and working place
Cify description at the form	
<ul><li>16. For repair works at high level of multi stor</li><li>a) As it is more stable</li></ul>	reyed buildings needle scaffolding is preferred  (c) As it will not obstruct traffic at ground level
b) As it looks better	d) None of the above
<ol> <li>The key functions of safety management sy</li> <li>Planning for safety,</li> <li>Organizing for safety,</li> <li>Scheduling for safety,</li> <li>Controlling for safety</li> </ol>	stem are:
O SELECTION OF THE SECOND OF T	and the approximate deposition of the Control of th
(a) 1, 3 and 4 are correct b) 2, 3 and 4 are correct	c) 1, 2 and 3 are correct
b) 2, 3 and 4 are correct	(d) 1, 2 and 4 are correct
<ul><li>18. Which cost is not include in direct accidents</li><li>a) Medical care expenses for injured</li><li>b) Replacement cost of equipment and mater damaged in accidents</li></ul>	(c) Decrease in moral which affects productivity
10 How accounting discounting	
<ul><li>19. How occupational disease caused in industri</li><li>a) Negligence</li></ul>	
b Lack of knowledge	c) Improper handling of machines  Persons exposed to substance or process
	N. 1. I.
<ul><li>20. Setting up of National Safety Council (NSC a) 1956</li></ul>	c) 1986
b) 1976	
0) 1970	(d) 1966
21. Whenever workmen have to excavate in trem in depth, the trenches should be seen as 2 m b) 1.5 m	ches in soil, soft rock or hard soil exceeding ecurely shored and timbered.  c) 3 m  d) 2.1 m
	S. T. His a Carra
Or.	S:THILAGAVATHI M.E., Ph.D., PRINCIPAL
	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
	Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at night,	minimum lux luminae lights should be
used.	topourage chilop-granes Wife a
a) 60	c) 150
b) 200	(d) 100
	Sura was superins a sunda suitable to a
23. As per the Heinrich theory, 88 % of accident	
a) Unsafe physical condition	(c) Unsafe act
b) Unsafe mechanical condition	d) Natural calamities
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24. How can frame designers contribute most ef	
	ble for (c) By designing to keep the weight of
planning and undertaking the work on site	each steel member as low as possible
b) By a comprehensive series of notes on the	
drawings issued for construction	never exit the basket of a MEWP at height
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25. Who should be allowed to go below slab who	en centering is in position and concreting of slab is
going on?	A Differ for A distriction as a
(a) Only head carpenter	c) Nobody
Total 1900 Billion D. 19	Continuous Public Carlos
b) Every worker	d) Only safety officer
Company tropics	
(response title minimum in the service)	
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	PRINCIPAL
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#### DEPARTMENT OF CIVIL ENGINEERING

### **ACADEMIC YEAR 2022-2023 / ODD SEMESTER**

Name of the Student: S. Subathya Year/Sem: 111 / V

AU Register Number: 91262010 30 04

Value Added Course on "Construction Safety and Practices"

### MCQ QUESTIONS (25X4 = 100 Marks)

		Tell 100 Man App
1.	While using ladder one should not lean sideways	s more than
	a) 40 cms	c) 30 cms
	(b) 50 cms	d) 45 cms
2.	Which is the most accepted method of avoiding a) Wearing safety equipment	accident?  c) Performing with highly skilled working practice
	b) Doing things in one s own way	d) Observing safety precautions related to job, machine and working place
3.	For repair works at high level of multi storeyed la) As it is more stable	buildings needle scaffolding is preferred  c) As it will not obstruct traffic at ground level
	b) As it looks better	d All of the above
4.	Which cost is not included in direct accidents cos a) Medical care expenses for injured	sts?  © Decrease in moral which affects productivity
	b) Replacement cost of equipment and material damaged in accidents	d) Fees for legal counsel
5.	Carelessness is the cause of an accident that can ba) Planning, organization	c) Management
	b) Execution of work	(d) None of the above
6.	The reason for considering safety include	and the second state of th
	a) Humanitarian concern	c) Laws and Regulations
	b) Economic reasons	All the above

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7.	From the following, which one is not an act and a) Building and other construction workers Act, 1996	
	b) Building and other construction workers central rules, 1998	d) The Delhi Building and other construction workers rules, 2002
8.	Which of the following cause of an accident car a) Use of unsuitable material Defective supervision of work	n be attributed to organization? c) Unsuitable equipment d) Unskilled operators
	CHARLE TO LEAD TO SERVE SERVERS AND LEADING TO SERVERS AND LEADING T	
9.	is provided to safeguard scaffolding a) Standards	g against overturning,
	and the contract of the contra	(C) di-logs
-	b) Inclined rackers	d) Rails
10	W/L:-L C(L - C-11 - ': - ': - ': - ':	
	Which one of the following is not an important	
(	a Membership of trade union	c) Design methodology
	b) Management	d) Safety codes
11.	What is class D fire?	
	a) Oil and fats	C Combustible metals
	b) Flammable liquids	d) Energized electrical equipment
12.	Pick up the incorrect statement from the followi in the law is:	ng for various duties of a safety occurs stipulated
	a) To advice the building workers for effective control of injuries	c) To check and evaluate effectiveness of action
	b) To carry out safety inspections of buildings	(d) To comply with requirement of rules
13.	For work at height one should use	eng ingroduupa to kep mangabugan galaginab.
	a) Safety belt	c) Both A and B
	extincted that is a supplied to	reshipping are to assume orbital aconsections. It is a
(	b) Full body harness	d) None of these
14.	When the work is over the scaffolding should be any activity is defined as the difference between	
	a) Lower side	(c) Upper side
6	b) Middle part	d) None of the above
	a remaining of this land	A TYLIST STREET, STREE
	2/2	asaman aliquidad al
n	.10 Dr. S.THILAGAVATHI M.E. Ph	STHILAGAVATHI M.E., Ph.D.,
1000	PRINCIPAL	PRINCIPAL
	COLLEGE FOR WOMEN	SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN
		College FOR WOMEN  Calkkurchi - 622 303, Pudukkottai Dt.
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15. Which is the most accepted method of avoiding	accident?
a) Wearing safety equipment	c) Performing with highly skilled working practice
b) Doing things in one's own way	d) Observing safety precautions related to job, machine and working place
d) Natural calamities . ,	
<ul><li>16. For repair works at high level of multi storeyed</li><li>a) As it is more stable</li></ul>	d buildings needle scaffolding is preferred  (E) As it will not obstruct traffic at ground level
b) As it looks better	d) None of the above
<ol> <li>The key functions of safety management system</li> <li>Planning for safety,</li> <li>Organizing for safety,</li> <li>Scheduling for safety,</li> <li>Controlling for safety</li> </ol>	drawings issued for construction:  23: What should be allowed to go below si going on?
<ul><li>a) 1, 3 and 4 are correct</li><li>b) 2, 3 and 4 are correct</li></ul>	c) 1, 2 and 3 are correct (d) 1, 2 and 4 are correct
18. Which cost is not include in direct accidents cos	te?
a) Medical care expenses for injured     b) Replacement cost of equipment and material damaged in accidents	c)Decrease in moral which affects productivity d) Fees for legal counsel
O. S. THILAGAYATHI M. E. PILOL	
<ol> <li>How occupational disease caused in industrial er</li> <li>Negligence</li> </ol>	
b) Lack of knowledge	c) Improper handling of machines d) Persons exposed to substance or process
20. Setting up of National Safety Council (NSC) in	India in
a) 1956	c) 1986
b) 1976	d) 1966
21. Whenever workmen have to excavate in trenches in depth, the trenches should be secure	
(a) 2 m	c) 3 m
b) 15 m	4) 21

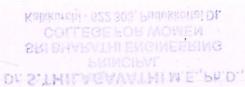
Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303, Pudukkottai Dt.

22. If work of piling is to be carried out at night, mused.	inimum lux luminae lights should be
a) 60 (b) 200	c) 150 (d) 100
23. As per the Heinrich theory, 88 % of accidents values a) Unsafe physical condition	(c) Unsafe act
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24. How can frame designers contribute most effect a) By having a dialogue with those responsible planning and undertaking the work on site b) By a comprehensive series of notes on the drawings issued for construction	
25. Who should be allowed to go below slab when going on?	centering is in position and concreting of slab is
(a) Only head carpenter	c) Nobody
b) Every worker	d) Only safety officer
don costs?  (a)Decrease in moral which affects produced to legal counsel.	MM

Dr. S.THILAGAVATHI M.E.,Ph.D., PRINCIPAL SRI BHARATHI ENGINEERING

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## DEPARTMENT OF CIVIL ENGINEERING ACADEMIC YEAR 2022-2023 (ODD SEM)

#### MARK SHEET FOR VALUE ADDED COURSE- CONSTRUCTION SAFETY & PRACTICES

16	REG.NO	NAME OF THE STUDENT	TAXCIAIF	ATTENDANCE DETAILS		VAC-MCQ TEST		OVERALL
S.NO			YEAR/ BRANCH	No of Sessions	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A +
11	912620103301	BHAVAMS	- HE/CIAIT	Attended	(A)	Answers	(B)	50% of B)
13	912621103001	AKILA G	II/CIVIL	12	100	20	80	90
2	912621103002	GAYATHRI G	II/CIVIL	10	83	15	60	72
3	912621103003	JAYABHARATHI R	II/CIVIL	12	100	19	76	88
4	912621103004	JAYA MANOHARI B	II/CIVIL	12	100	22	88	94
5	912621103005	PRIYADHARSHINI A	II/CIVIL	11	92	18	72	82
6	912621103006	RABIA BANU M	II/CIVIL	11	92	17	68	80
7 *	912621103007	SHERLIN KAVYA B	II/CIVIL	12	100	18	72	86

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		TSHEKEIN KAVYAB	. TACLARE		1.60			Y.
8	912621103301	JENIFAR A	II/CIVIL	10	83	17	68	76
9	912621103302	KALAIARASI G	II/CIVIL	11	92	16	64	78
10	912620103001	ASWINI T	III/CIVIL	11	92	16	64	78
11	912620103002	<b>GEETHA M</b>	III/CIVIL	12	100	20	80	90
12	912620103003	KEERTHI S	III/CIVIL	11	92	20	80	86
13	912620103004	SUBATHRA S	III/CIVIL	12	100	22	88	94
14	912620103301	BHAVANI S	III/CIVIL	Att11ded	92	17	68	80
15	912620103302	MEGALA V	III/CIVIL	11 26,530,03	92	19	76	84
16	912619103001	AJITHA T	IV/CIVIL	VERTIEER	92	19	76	84
17	912619103002	ARULJENIFAR C	IV/CIVIL	12	100	20	80	90
18	912619103003	DIVYA V	IV/CIVIL	10	83	16	64	74
19	912619103004	MANGAIYARKARASI G	IV/CIVIL	10	83	16	64	74
20	912619103005	MUTHULAKSHMI S	IV/CIVIL	12	100	22	88	94
21	912619103006	PRAVEENA S	IV/CIVIL	11	92	18	72	82

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22	912619103007	PRIYADHARSHINI K	IV/CIVIL	12	100	22	88	94
23	912619103009	RAGAVI V	IV/CIVIL	12	100	22	88	94
24	912619103301	LILLY JOHN J	IV/CIVIL	11	92	20	80	86
25	912619103302	BHUVANI S	IV/CIVIL	10	83	16	64	74

**VAC** Coordinator

HOD / CIVIL SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303

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