



SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING



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:	GREEN BUILDINGS				
Resource Person:	Er.S.Sankar Prasath, Managing Director, Venkateshwara Constructions, Tirupur – 641604.		Er.R.Mohan, CEO, Venkateshwara Constructions, Tirupur – 641604.		
Date of conduct from:	30.11.2020	To:	5.12.2020	Duration:	30 Hours
Organized Department:	ELECTRICAL AND ELECTRONICS ENGINEERING				
Participant Year:	2/3/4	Semester:	ODD	No. of Students Registered:	33
Venue:	Online Gmeet link - “https://meet.google.com/rxo-ewnw-pyu”				

TABLE OF CONTENT

SNO	DOCUMENT	PAGE-NO
1	Value added Course Circular	3-3
2	Value added Course Schedule	4-4
3	List of students participants	5-6
4	Attendance of Students	7-9
5	Value added Course Report	10-10
6	Value added Course Completion Certificates	11-14
7	Value added Course Test Paper	15-18
8	Value added Course Answer Key	19-19
9	Value added Course Test Answer Sheet-Sample	20-23
10	Value added Course Mark Statement	24-26

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: SCE / EEE / Students / VAC / 2020 – 2021 / ODD

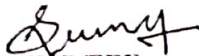
23.11.2020

CIRCULAR

In order to bridge the curricular gap between the Academic Syllabus and Industry requirements, Department of Electrical and Electronics Engineering and IQAC of our Institution in association with Venkateshwara Constructions, is organizing a Value Added Course (VAC) for the students of II, III and IV year of EEE & CIVIL on the title “Green Buildings” from 30.11.2020 to 05.12.2020. At the end of the VAC, course completion certificates will be issued to the eligible participants as per the following norms.

- Students, who are securing more than 70% on total score in the VAC test and secured more than 75% in VAC attendance is eligible to receive the course completion certificate for the VAC attended.

Resource Person Details	Er.S.Sankar Prasath, Managing Director, Venkateshwara Constructions, Tirupur – 641604.	Er.R.Mohan, CEO, Venkateshwara Constructions, Tirupur – 641604.
Venue	Online Gmeet link - “ https://meet.google.com/rxo-ewnw-pyu ”	


HoD/EEE


PRINCIPAL

Copy to:

1. Chairman & Secretary for information
2. Principal office
3. IQAC Co-Ordinator
4. Class In charges - II, III & IV-Year EEE & CIVIL
5. II, III & IV-Year EEE & CIVIL Students
6. EEE & CIVIL Notice Board
7. Department File



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: SCE / EEE / Students / VAC / 2020 – 2021 / ODD

23.11.2020

SYLLABUS - VALUE ADDED COURSE

“Green Buildings”


From 30.11.2020 to 05.12.2020 (6 days)

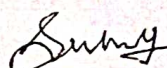
Duration : 36 Hours

Academic Year : 2020 -2021 / ODD

S.No.	Topics Covered	Duration (In Hours)	Date
1	Introduction to Green Building Concepts	3	30.11.2020
2	Energy-Efficient Design	3	30.11.2020
3	Water Conservation in Green Buildings	3	01.12.2020
4	Sustainable Materials	3	01.12.2020
5	Indoor Air Quality	3	02.12.2020
6	Green Building Certifications	3	02.12.2020
7	Smart Building Technologies	3	03.12.2020
8	Waste Management in Construction	3	03.12.2020
9	Urban Planning and Green Infrastructure	3	04.12.2020
10	Financial Benefits of Green Buildings	3	04.12.2020
11	Case Studies and Best Practices	3	05.12.2020
12	Community Engagement and Education	3	05.12.2020
Total Hours		36	

After successful completion of 36 Hours VAC, the assessment test for the VAC titled “Green Buildings” will be conducted on 05.12.2020.


 VAC Coordinator


 HoD/EEE


Dr.M.VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL


SASURIE COLLEGE OF ENGINEERING,
 Vijayamangalam - 638 059, Tirupur (Dt).

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
STUDENTS PARTICIPATION LIST - VALUE ADDED COURSE

“Green Buildings”

From 30.11.2020 to 05.12.2020 (6 days)

Duration : 36 Hours


Academic Year : 2020 -2021 / ODD

S.No.	Reg No.	Name of the Student	Year / Branch
1.	732419105001	AJITH KUMAR S	II/EEE
2.	732419105002	DINESH M	II/EEE
3.	732419105003	MOHAN S	II/EEE
4.	732419105004	NAVEENKUMAR A	II/EEE
5.	732419105005	PRAVEEN KUMAR M	II/EEE
6.	732418105002	JAYAPRIYA R	III/EEE
7.	732417105002	ANJANA S	IV/EEE
8.	732417105004	BARANIDHARAN P	IV/EEE
9.	732417105006	KALLESWARAN P	IV/EEE
10.	732417105007	KEERTHANA G	IV/EEE
11.	732417105008	MALATHI S R	IV/EEE
12.	732417105009	MARIA AROCKIYAM D	IV/EEE
13.	732417105010	PRAKASH M	IV/EEE
14.	732417105011	RAMESH KUMAR T	IV/EEE
15.	732417105012	SATHISHKUMAR R	IV/EEE
16.	732417105013	SEDHUMADHAVAN A	IV/EEE
17.	732417105014	SHANMUGAM S	IV/EEE
18.	732417105015	SOUNDARYA T	IV/EEE
19.	732417105016	SREEVENI S	IV/EEE
20.	732417105019	VIGNESH S	IV/EEE
21.	732419103001	PRAKASH V	II/CIVIL
22.	732419103002	VIPIN H	II/CIVIL
23.	732417103001	BASKARAN K	IV/CIVIL
24.	732417103002	GAYATHRI N	IV/CIVIL
25.	732417103003	GOWTHAM P	IV/CIVIL
26.	732417103004	LAVANYA M	IV/CIVIL
27.	732417103005	NAVEENA S	IV/CIVIL
28.	732417103006	NIVETHA S	IV/CIVIL


Dr.M.VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL

STUDENTS PARTICIPATION LIST - VALUE ADDED COURSE

S.No.	Reg No.	Name of the Student	Year / Branch
29.	732417103007	SANGAR G	IV/CIVIL
30.	732417103008	SURYA N	IV/CIVIL
31.	732417103009	THARUNKUMAR J	IV/CIVIL
32.	732417103010	VAISHNAVI P	IV/CIVIL
33.	732417103011	VALLARASU M	IV/CIVIL


Dr.M.VIJAYAKUMAR ME., Ph.D.,
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Vijayamangalam - 633 030, Tirupur (Dt).


VAC Coordinator


HOD/EEE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STUDENTS ATTENDANCE LIST-VALUE ADDED COURSE

“Green Buildings ”

From 30.11.2020 to 05.12.2020 (6 days)

Duration: 36 Hours

Academic Year: 2020-2021 / ODD

S.No	RegNo.	NameoftheStudent	Year/ Branch	30.11.2020		01.12.2020		02.12.2020		03.12.2020		04.12.2020		05.12.2020		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1.	732419105001	AJITHKUMARS	II/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
2.	732419105002	DINESHM	II/EEE	/	a	/	/	/	/	/	/	/	/	/	/	27
3.	732419105003	MOHANS	II/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
4.	732419105004	NAVEENKUMARA	II/EEE	/	/	a	/	/	/	/	/	/	/	/	/	27
5.	732419105005	PRAVEENKUMARM	II/EEE	/	/	a	a	/	/	/	/	/	/	/	/	24
6.	732418105002	JAYAPRIYAR	III/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
7.	732417105002	ANJANAS	IV/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
8.	732417105004	BARANIDHARANP	IV/EEE	/	/	a	a	/	/	/	/	/	/	/	/	24
9.	732417105006	KALEESWARANP	IV/EEE	/	/	/	/	/	/	/	a	/	/	/	/	27
10.	732417105007	KEERTHANAG	IV/EEE	/	/	/	/	/	a	/	/	/	/	/	/	27
11.	732417105008	MALATHISR	IV/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
12.	732417105009	MARIAAROCKIYAMD	IV/EEE	/	/	a	a	/	/	/	/	/	/	/	/	24
13.	732417105010	PRAKASH M	IV/EEE	a	/	/	/	/	/	/	/	/	/	/	/	27

Dr.M.VIJAYAKUMAR, M.Tech, Ph.D

PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 636 056, Tirupur (Ct).

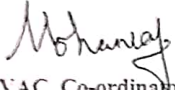
STUDENTS ATTENDANCE LIST- VALUE ADDED COURSE


S.No	RegNo.	NameoftheStudent	Year/ Branch	30.11.2020		01.12.2020		02.12.2020		03.12.2020		04.12.2020		05.12.2020		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
14.	732417105011	RAMESHKUMART	IV/EEE	/	a	/	/	/	/	/	/	/	/	/	/	27
15.	732417105012	SATHISHKUMARR	IV/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
16.	732417105013	SEDHUMADILAVANA	IV/EEE	/	/	/	/	/	/	a	/	/	/	/	/	27
17.	732417105014	SHANMUGAM S	IV/EEE	/	/	/	/	/	a	a	/	/	/	/	/	24
18.	732417105015	SOUNDARYAT	IV/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
19.	732417105016	SREEVENIS	IV/EEE	/	/	/	/	a	/	/	/	/	/	/	/	27
20.	732417105019	VIGNESH S	IV/EEE	/	/	/	/	/	/	/	/	/	/	/	/	30
21.	732419103001	PRAKASH V	II/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	30
22.	732419103002	VIPINH	II/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	30
23.	732417103001	BASKARANK	IV/CIVIL	/	/	/	/	a	/	/	/	/	/	/	/	27
24.	732417103002	GAYATHRIN	IV/CIVIL	/	/	/	/	/	a	/	/	/	/	/	/	27
25.	732417103003	GOWTHAMP	IV/CIVIL	/	/	/	/	a	a	/	/	/	/	/	/	24
26.	732417103004	LAVANYAM	IV/CIVIL	/	/	/	/	/	/	/	/	a	/	/	/	27
27.	732417103005	NAVEENAS	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	30
28.	732417103006	NIVETHAS	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	27
29.	732417103007	SANGARG	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	30
30.	732417103008	SURYAN	IV/CIVIL	/	/	/	/	a	/	/	/	/	/	/	/	27




Dr.M.VIJAYAKUMAR ME, Ph.D
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SASURIE COLLEGE OF ENGINEERING
Vijayamangala - 601 304

STUDENTS ATTENDANCE LIST- VALUE ADDED COURSE

S.No	RegNo.	NameoftheStudent	Year/ Branch	30.11.2020		01.12.2020		02.12.2020		03.12.2020		04.12.2020		05.12.2020		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
31	732417103009	THARUNKUMARJ	IV/CIVIL	/	a	/	/	/	/	/	/	/	/	/	/	27
32	732417103010	VAISHNAVIP	IV/CIVIL	/	/	/	/	/	/	a	/	/	/	/	/	27
33	732417103011	VALLARASUM	IV/CIVIL	/	/	/	/	/	/	/	/	/	/	/	/	30


 VAC Co-ordinator


 HoD/EEE


 Dr. M. VIJAYAKUMAR M.E., Ph.D
 PRINCIPAL

 SASURIE COLLEGE OF ENGINEERING.
 Vijayamangalam - 633 059, Tirupur (Dt)

Report on Value Added Course

Title:	Green Buildings		
Resource Person:	Er.S.Sankar Prasath, Managing Director, Venkateshwara Constructions, Tirupur – 641604.	Er.R.Mohan, CEO, Venkateshwara Constructions, Tirupur – 641604.	
Date of conduct from :	30.11.2020	To:	05.12.2020
		Duration:	36 Hours
Organized by :	ELECTRICAL AND ELECTRONICS ENGINEERING and IQAC in association with Venkateshwara Constructions		
Academic Year:	2020 – 2021	Semester:	ODD
Participant Year:	II, III, IV Year EEE	No. of Students Participated :	33
Venue:	Online Gmeet link - “https://meet.google.com/rxo-ewnw-pyu”		

Outcome of Value Added Course (VAC)

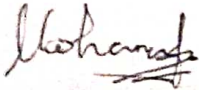
At the end of the Course, Students can be able to

- Define and explain the principles of green buildings.
- Design and implement water conservation strategies in construction projects.
- Understand the requirements of major green building certifications.
- Develop a waste management plan for construction projects.
- Design educational programs to raise awareness about green building practices.


Assessment Process

- Students, who are securing **more than 70% on total score in the VAC test** and secured more than 75% in VAC attendance is eligible to receive the course completion certificate for the VAC attended
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

No. of students successfully completed the VAC course is **33 Students** based on the above assessment process.


 VAC Co-ordinator


 HoD/ EEE


 Principal

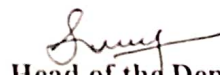


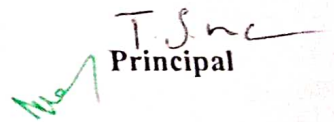
DEPARTMENT OF OF ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that Mr./Ms ANJANA.S. IV/EEE has successfully completed the Value Added Course titled "Green buildings" Organized by the *Department of Electrical and Electronics Engineering* in association with IQAC of Sasurie College of Engineering and venkateshwara construction from 30.11.2020 to 05.12.2020 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr.M.VIJAYAKUMAR ME, Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
Vijayamangalam - 638 056, Tirupur (Dt).

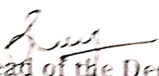


DEPARTMENT OF OF ELECTRICAL AND ELECTRONICS ENGINEERING


Certificate of Participation

This is to certify that Mr./Mrs. JAYAPRIYAR III/EEE has successfully completed the Value Added Course titled "Green buildings Organized by the Department of Electrical and Electronics Engineering in association with IQAC of Sasurie College of Engineering and Venkateshwara construction from 30.11.2020 to 05.12.2020 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr. M. VIJAYAKUMAR M.E., Ph.D.
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
K. JAYAPRIYAR - 631 056, Tripur (Dt.)

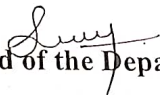


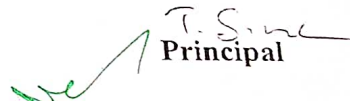
DEPARTMENT OF OF ELECTRICAL AND ELECTRONICS ENGINEERING

Certificate of Participation

This is to certify that Mr./Ms. DINESH.M II/EEE has successfully completed the Value Added Course titled "Green Buildings" Organized by the *Department of Electrical and Electronics Engineering* in association with IQAC of Sasurie College of Engineering and Venkateshwara Constructions, Tiruppur from 30.11.2020 to 05.12.2020 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
Vijayamangalam - 638 056, Tirupur (Dt).



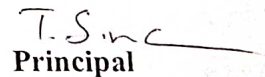
DEPARTMENT OF OF ELECTRICAL AND ELECTRONICS ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms. **AJITHKUMAR.S** **II EEE** has successfully completed the Value Added Course titled "Green Buildings" Organized by the *Department of Electrical and Electronics Engineering* in association with IQAC of Sasurie College of Engineering and Venkateshwara Constructions, Tiruppur from 30.11.2020 to 05.12.2020 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tiruppur (Dt).

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TEST QUESTION PAPER - VALUE ADDED COURSE

“Green Buildings”

From 30.11.2020 to 05.12.2020 (6 days)

Duration : 36 Hours

Academic Year : 2020 -2021 / ODD

Date of Test : 05.12.2020

MULTIPLE CHOICE QUESTIONS (25 X 1 = 25 Marks)

Name of the Student:

Year/Sem:

AU Register Number:

Answer all the questions:

1. What are the fundamental principles of green buildings?
 - a) Cost-effectiveness
 - b) Sustainability and energy efficiency
 - c) Aesthetic appeal
 - d) Historical significance

2. Which renewable energy source is commonly integrated into green building designs?
 - a) Nuclear power
 - b) Coal
 - c) Solar energy
 - d) Natural gas

3. What is the primary goal of water conservation techniques in green buildings?
 - a) Increasing water consumption
 - b) Reducing water usage
 - c) Ignoring water conservation
 - d) Promoting water pollution

4. Why is the life cycle assessment of building materials important in green construction?
 - a) To increase material cost
 - b) To ensure faster construction
 - c) To evaluate environmental impact
 - d) To minimize architectural design



Dr.M. VIJAYARAJINIKAR M.E., Ph.D.,
PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

5. What is a key consideration for maintaining indoor air quality in green buildings?
- Sealing buildings completely
 - Promoting poor ventilation
 - Using air-polluting materials
 - Adequate ventilation and air purification
6. Which certification is widely recognized for green buildings?
- ISO 9001
 - LEED
 - OSHA
 - ANSI
7. What role do smart building technologies play in sustainable construction?
- Increase energy consumption
 - Decrease building efficiency
 - Enhance energy management and monitoring
 - Have no impact on sustainability
8. What is an essential aspect of waste management in green construction?
- Excessive landfill disposal
 - Recycling and waste reduction
 - Ignoring waste disposal
 - Promoting illegal dumping
9. What is the purpose of green roofs in urban planning?
- Increase energy consumption
 - Enhance biodiversity
 - Decrease building insulation
 - Minimize outdoor green spaces
10. Which financial benefit is associated with green buildings?
- Increased energy costs
 - Higher market value and cost savings
 - Unpredictable financial outcomes
 - No financial benefits
11. What is the first step in achieving green building certification?
- Submitting a fee
 - Completing construction quickly
 - Understanding certification requirements
 - Ignoring certification processes

Me

12. How can technology contribute to energy efficiency in green buildings?
- a) By promoting wasteful practices
 - b) Through smart building technologies and automation
 - c) By using outdated equipment
 - d) Without any impact on energy consumption
13. What is the primary goal of rainwater harvesting in green buildings?
- a) Increasing water consumption
 - b) Reducing dependence on municipal water supply
 - c) Ignoring water scarcity issues
 - d) Promoting water pollution
14. Which sustainable construction practice involves planting vegetation on vertical surfaces?
- a) Green roofs
 - b) Rainwater harvesting
 - c) Energy-efficient HVAC systems
 - d) Smart building technologies
15. What is the focus of a life cycle assessment for building materials?
- a) Only the initial cost
 - b) The entire life span of the material
 - c) The popularity of the material
 - d) Ignoring environmental impact
16. How does green building contribute to community engagement?
- a) By excluding communities from the planning process
 - b) Through educational programs and involving communities in sustainable practices
 - c) Ignoring the role of communities in sustainable development
 - d) Promoting unsustainable construction practices
17. Which term refers to the ability of a building to generate its own energy on-site?
- a) Energy inefficiency
 - b) Energy dependence
 - c) Net-zero energy
 - d) Non-renewable energy
18. What is a common feature of green building designs to enhance natural lighting?
- a) Small windows
 - b) Dim lighting fixtures
 - c) Large windows and skylights
 - d) No consideration for natural lighting

19. What is the primary purpose of LEED certification?
- Ignoring sustainability practices
 - Increasing construction costs
 - Providing guidelines for sustainable building practices
 - Excluding renewable energy sources
20. How can green buildings contribute to reducing the urban heat island effect?
- By increasing pavement and dark surfaces
 - By promoting heat-absorbing materials
 - Through the use of cool roofs and green spaces
 - Ignoring the urban heat island effect
21. Which factor is crucial for selecting eco-friendly building materials?
- Only cost
 - Only appearance
 - Both sustainability and environmental impact
 - Ignoring environmental considerations
22. What is the purpose of a green roof in sustainable urban planning?
- Increase energy consumption
 - Minimize outdoor green spaces
 - Enhance biodiversity and reduce stormwater runoff
 - Ignore environmental impact
23. What is the significance of community engagement in green building projects?
- To exclude communities from the planning process
 - To promote unsustainable construction practices
 - To gain community support and involvement in sustainable practices
 - Ignoring the role of communities in sustainable development
24. Why is the selection of sustainable materials essential in green construction?
- To increase material cost
 - To minimize environmental impact and promote long-term sustainability
 - To encourage the use of non-renewable resources
 - To prioritize aesthetics over sustainability
25. What is the primary purpose of a waste management plan in construction projects?
- Promoting excessive landfill disposal
 - Encouraging illegal dumping
 - Minimizing waste and promoting recycling
 - Ignoring waste disposal practices

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TEST QUESTION ANSWER KEY - VALUE ADDED COURSE

“Green Buildings”

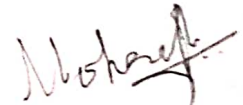
From 30.11.2020 to 05.12.2020 (6 days)

Duration : 36 Hours

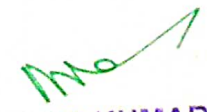
Academic Year : 2020 -2021 / ODD

Date of Test : 05.12.2020

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



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TEST QUESTION PAPER - VALUE ADDED COURSE

“Green Buildings”

From 30.11.2020 to 05.12.2020 (6 days)

Duration : 36 Hours

Academic Year : 2020 -2021 / ODD

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MULTIPLE CHOICE QUESTIONS (25 X 1 – 25 Marks)

Name of the Student: NAVEENKUMAR.A Year/Sem: II / 3rd

AU Register Number: 732419105004

Answer all the questions:

1. What are the fundamental principles of green buildings?
 - a) Cost-effectiveness
 - b) Sustainability and energy efficiency
 - c) Aesthetic appeal
 - d) Historical significance

2. Which renewable energy source is commonly integrated into green building designs?
 - a) Nuclear power
 - b) Coal
 - c) Solar energy
 - d) Natural gas

3. What is the primary goal of water conservation techniques in green buildings?
 - a) Increasing water consumption
 - b) Reducing water usage
 - c) Ignoring water conservation
 - d) Promoting water pollution

4. Why is the life cycle assessment of building materials important in green construction?
 - a) To increase material cost
 - b) To ensure faster construction
 - c) To evaluate environmental impact
 - d) To minimize architectural design

5. What is a key consideration for maintaining indoor air quality in green buildings?
 - a) Sealing buildings completely
 - b) Promoting poor ventilation
 - c) Using air-polluting materials
 - d) Adequate ventilation and air purification

6. Which certification is widely recognized for green buildings?
 - a) ISO 9001
 - b) LEED
 - c) OSHA
 - d) ANSI

7. What role do smart building technologies play in sustainable construction?
 - a) Increase energy consumption
 - b) Decrease building efficiency
 - c) Enhance energy management and monitoring
 - d) Have no impact on sustainability

8. What is an essential aspect of waste management in green construction?
 - a) Excessive landfill disposal
 - b) Recycling and waste reduction
 - c) Ignoring waste disposal
 - d) Promoting illegal dumping

9. What is the purpose of green roofs in urban planning?
 - a) Increase energy consumption
 - b) Enhance biodiversity
 - c) Decrease building insulation
 - d) Minimize outdoor green spaces

10. Which financial benefit is associated with green buildings?
 - a) Increased energy costs
 - b) Higher market value and cost savings
 - c) Unpredictable financial outcomes
 - d) No financial benefits

11. What is the first step in achieving green building certification?
 - a) Submitting a fee
 - b) Completing construction quickly
 - c) Understanding certification requirements
 - d) Ignoring certification processes

12. How can technology contribute to energy efficiency in green buildings?
- By promoting wasteful practices
 - Through smart building technologies and automation
 - By using outdated equipment
 - Without any impact on energy consumption
13. What is the primary goal of rainwater harvesting in green buildings?
- Increasing water consumption
 - Reducing dependence on municipal water supply
 - Ignoring water scarcity issues
 - Promoting water pollution
14. Which sustainable construction practice involves planting vegetation on vertical surfaces?
- Green roofs
 - Rainwater harvesting
 - Energy-efficient HVAC systems
 - Smart building technologies
15. What is the focus of a life cycle assessment for building materials?
- Only the initial cost
 - The entire life span of the material
 - The popularity of the material
 - Ignoring environmental impact
16. How does green building contribute to community engagement?
- By excluding communities from the planning process
 - Through educational programs and involving communities in sustainable practices
 - Ignoring the role of communities in sustainable development
 - Promoting unsustainable construction practices
17. Which term refers to the ability of a building to generate its own energy on-site?
- Energy inefficiency
 - Energy dependence
 - Net-zero energy
 - Non-renewable energy
18. What is a common feature of green building designs to enhance natural lighting?
- Small windows
 - Dim lighting fixtures
 - Large windows and skylights
 - No consideration for natural lighting

19. What is the primary purpose of LEED certification?
- a) Ignoring sustainability practices
 - b) Increasing construction costs
 - c) Providing guidelines for sustainable building practices
 - d) Excluding renewable energy sources
20. How can green buildings contribute to reducing the urban heat island effect?
- a) By increasing pavement and dark surfaces
 - b) By promoting heat-absorbing materials
 - c) Through the use of cool roofs and green spaces
 - d) Ignoring the urban heat island effect
21. Which factor is crucial for selecting eco-friendly building materials?
- a) Only cost
 - b) Only appearance
 - c) Both sustainability and environmental impact
 - d) Ignoring environmental considerations
22. What is the purpose of a green roof in sustainable urban planning?
- a) Increase energy consumption
 - b) Minimize outdoor green spaces
 - c) Enhance biodiversity and reduce stormwater runoff
 - d) Ignore environmental impact
23. What is the significance of community engagement in green building projects?
- a) To exclude communities from the planning process
 - b) To promote unsustainable construction practices
 - c) To gain community support and involvement in sustainable practices
 - d) Ignoring the role of communities in sustainable development
24. Why is the selection of sustainable materials essential in green construction?
- a) To increase material cost
 - b) To minimize environmental impact and promote long-term sustainability
 - c) To encourage the use of non-renewable resources
 - d) To prioritize aesthetics over sustainability
25. What is the primary purpose of a waste management plan in construction projects?
- a) Promoting excessive landfill disposal
 - b) Encouraging illegal dumping
 - c) Minimizing waste and promoting recycling
 - d) Ignoring waste disposal practices

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ASSESMENT SHEET - VALUE ADDED COURSE

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S.No	Reg No.	Name of the Student	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL Score (100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Score (100) (A)	No. of Correct Answers	MCQ Score (100) (B)	
1.	732419105001	AJITH KUMAR S	II/EEE	30	100	21	84	92
2.	732419105002	DINESH M	II/EEE	27	90	19	76	83
3.	732419105003	MOHAN S	II/EEE	30	100	19	76	88
4.	732419105004	NAVEENKUMAR A	II/EEE	27	90	21	84	87
5.	732419105005	PRAVEEN KUMAR M	II/EEE	24	80	20	80	80
6.	732418105002	JAYAPRIYA R	III/EEE	30	100	18	72	86
7.	732417105002	ANJANA S	IV/EEE	30	100	19	76	88
8.	732417105004	BARANIDHARAN P	IV/EEE	24	80	20	80	80
9.	732417105006	KALEESWARAN P	IV/EEE	27	90	21	84	87
10.	732417105007	KEERTHANA G	IV/EEE	27	90	19	76	83
11.	732417105008	MALATHI S R	IV/EEE	30	100	19	76	88
12.	732417105009	MARIA AROCKIYAM D	IV/EEE	24	80	20	80	80
13.	732417105010	PRAKASH M	IV/EEE	27	90	18	72	81

Dr.M.VIJAYAKUMAR (M.E., Ph.D.)
 PRINCIPAL


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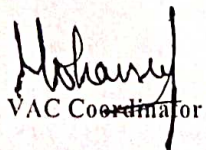
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14.	732417105011	RAMESH KUMAR T	IV/EEE	27	90	19	76	83
15.	732417105012	SATHISHKUMAR R	IV/EEE	30	100	20	80	90
16.	732417105013	SEDHUMADHAVAN A	IV/EEE	27	90	19	76	83
17.	732417105014	SHANMUGAM S	IV/EEE	24	80	21	84	82
18.	732417105015	SOUNDARYA T	IV/EEE	30	100	21	84	92
19.	732417105016	SREEVENI S	IV/EEE	27	90	19	76	83
20.	732417105019	VIGNESH S	IV/EEE	30	100	19	76	88
21.	732419103001	PRAKASH V	II/CIVIL	30	100	19	76	88
22.	732419103002	VIPIN H	II/CIVIL	30	100	21	84	92
23.	732417103001	BASKARAN K	IV/CIVIL	27	90	21	84	87
24.	732417103002	GAYATHRI N	IV/CIVIL	27	90	21	84	87
25.	732417103003	GOWTHAM P	IV/CIVIL	24	80	20	80	80
26.	732417103004	LAVANYA M	IV/CIVIL	27	90	21	84	87
27.	732417103005	NAVEENA S	IV/CIVIL	30	100	20	80	90
28.	732417103006	NIVETHA S	IV/CIVIL	27	90	19	76	83
29.	732417103007	SANGAR G	IV/CIVIL	30	100	19	76	88
30.	732417103008	SURYA N	IV/CIVIL	27	90	18	72	81

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				No. of Hours Attended	Attendance Score (100) (A)	No. of Correct Answers	MCQScore (100) (B)	
31	732417103009	THARUNKUMAR J	IV/CIVIL	27	90	19	76	83
32	732417103010	VAISHNAVI P	IV/CIVIL	27	90	19	76	83
33	732417103011	VALLARASU M	IV/CIVIL	30	100	19	76	88


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