



Indra Ganesan

COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Accredited by NAAC with 'B+' Grade, 2(F) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 2

TEACHING-LEARNING AND EVALUATION

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

INDRA GANESAN COLLEGE OF ENGINEERING





Criteria2

Teaching-Learning and Evaluation

350

KeyIndicator-2.3.Teaching-Learning Process(40)

2021-2022

PARTICIPATIVE LEARNING
CIVIL ENGINEERING

Activity	Number of Students Attended	Page No.
Value Added Course(VAC)	50	3
TOTAL STUDENTS ATTENDED	50	-



Criteria2

Teaching-Learning and Evaluation

350

KeyIndicator-2.3.Teaching-Learning Process (40)

2022-2023

CIVIL ENGINEERING

PARTICIPATIVE LEARNING

VALUE ADDED COURSE



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Ref: IGCE/CIVIL/2021-22/VAC/01

DATE: 04.08.2020

Department Of Civil Engineering
Academic Year 2021-2022 Odd Semester

DEPARTMENT CIRCULAR

Department of Civil Engineering and IQAC of IGCE in association with **Kalam Constructions** is going to organize Value Added Course for all second, third, and final year students on **“Project Management in PRIMAVERA”** from 10.08.2021 to 14.08.2021. certificates will be issued to the eligible participants at the end of the course. This training is to be provided in our campus.


Resource person Details:	1.Mr.M.Bhuvana Selvam 2.Mr.B.Ramesh Trainers Kalam Constructions Trichy
Venue	Civil Seminar Hall


HoD/CIVIL


Principal

Cc:

- Principal Table
- IQAC Co-Ordinator
- HoD/ civil
- Class In charges - II, III & IV-Year
- II, III & IV-Year CIVIL Students
- Office File
- NoticeBoard


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Value Added Course on “Project Management in PRIMAVERA”

SYLLABUS

S.NO	TOPIC COVERED	DURATI ON (in hours)	DATE
1	Introduction of primavera	3	10.08.2021
2	calendar creation and assign calendar using for EPS	3	10.08.2021
3	currency creation and assign	3	11.08.2021
4	EPS creation and assign the project OBS creation	3	11.08.2021
5	Assign WBS Activity creation Resource, Resource code, Role creation and to assign	3	12.08.2021
6	Activities Relationship creation: Predecessor and Successor to assign Activities	3	12.08.2021
7	Thresholds ,Expense Creation and Assign Risk creation and Assign	3	13.08.2021
8	Issues creation and Assign Maintain Baseline and Assign Baseline	3	13.08.2021
9	Leveling of resources & Scheduling of project S-	3	14.08.2021
10	Curve chart and Gent Chart checking Result And Report verification	3	14.08.2021
	EXAM	1	14.08.2021
	Total Hours	30 (Excluding Test)	-

K. Gayathri
VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Sivaram
HoD/CIVIL



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



VAC PROGRAM-Project Management in PRIMAVERA

STUDENTS PARTICIPATION LIST

S.No.	Reg.No	Student's Name	Year/ Branch
IV-YEAR			
1.	811218103001	Akash J	IV/CIVIL
2.	811218103002	Mahendran M	IV/CIVIL
3.	811218103003	Musarf Ali S	IV/CIVIL
4.	811218103004	Prabu JJ	IV/CIVIL
5.	811219103002	Vignesh R	III/CIVIL
6.	811220103011	Dharun Kumar R	II/CIVIL
7.	811220103020	Gunaseelan G	II/CIVIL
8.	811220103024	Iyyapan Mani A	II/CIVIL
9.	811220103025	KalanchiyaMuniyaraj B	II/CIVIL
10.	811220103029	ManiKandan M	II/CIVIL
11.	811220103030	Mohanapriya S	II/CIVIL
12.	811220103032	MuthuSelvam A	II/CIVIL
13.	811220103041	Sudhakar R	II/CIVIL
14.	811220103046	Vishwa S	II/CIVIL
15.	811220103303	EvanjalineJoycy S	II/CIVIL
16.	811220103306	Vishva P	II/CIVIL
17.	811220103307	Thulasimani S	II/CIVIL

K. Gayathri
VAC Coordinator

S. Vasanth
HoD/CIVIL

(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Name of the Student :

Year/Sem:

AU Register Number:

Value Added Course on “Project Management in PRIMAVERA”

MCQ QUESTIONS (25X1= 25 Marks)

1. Identify one project intense industries where Primavera has a significant presence.
 - a) Oil and Gas
 - b) Communications
 - c) Health Sciences
 - d) Tax
2. What is the significance of assigning the Responsible Manager to an EPS Node
 - a) It assigns a generic resource to the EPS
 - b) It assigns a named resource to the EPS
 - c) It links the EPS to an OBS element
 - d) It links the EPS to management reports
3. Identify the field that must be unique in Primavera.
 - a) Project Name
 - b) Project Description
 - c) Project ID
 - d) Project Manager
4. Identify a relevant use case for applying a Must Finish By date to a project.
 - a) Compare Scheduled Finish to Must Finish By dates to negotiate realistic Finish dates
 - b) Apply Must Finish By dates to shorten the duration of the schedule
 - c) Apply Must Finish By dates to build case for requesting resources
 - d) Compare Must Finish By date to Actual Finish Date to negotiate realistic Finish dates
5. Identify one example of Enterprise specific data.
 - a) Enterprise Project Structure
 - b) Activities
 - c) Baselines
 - d) Expenses
6. What takes the highest precedence during Resource Leveling?

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- c) Enterprise breakdown system
d) Every broken system
14. How many controlling capability in primavera
a) 5
b) 3
c) 7
d) 2
15. Where are tolerances set in Primavera P6 EPPM?
a) in Global Preferences
b) In Performance Thresholds
c) In Performance Status tab
d) In Portfolios
16. Select the true statement regarding Global Change.
a) Global change can modify Global Codes.
b) Global Change can replace existing project data with new data.
c) Global change can be executed by any user.
d) Global change can modify Global Security Profiles.
17. The two global profiles that are hard-coded In the system and cannot be deleted or changed are and
a. No Global Privileges
b. IT Administrator
c. Admin Super User
d. System Administrator
e. Project Manager
18. In the client application, Timescale relationships are shown by selecting which value from the Layout Options bar?
a) Group and Sort
b) Timescale
c) Bar Chart Options
d) Bars
19. Select two true statements regarding Calendars.
a) Global Calendars are available to a subset of projects.
b) Only a limited number of calendars can be created
c) Project Calendars are available for the current project only.
d) Activity Calendars are managed by individual Resources.
e) Activity type determines whether the activity uses Resource Calendars for scheduling

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchireppalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- a) Leveling priority
 - b) Mandatory constraint
 - c) Topological sequent
 - d) Resource Calendar
7. Cost Variance is calculated as _____
- a) Earned Value Cost - Actual Cost
 - b) the Actual Cost of Work Performed
 - c) the Budgeted Cost of Work Scheduled
 - d) Budget at Completion - Earned Value Cost
8. You are a Portfolio Manager looking for a new portfolio that you manually created for you have clicked the Group by drop-down list in Portfolios. Which option should you select to quickly find your portfolio?
- a) Global Portfolio
 - b) Global Filtered Portfolio
 - c) User Portfolio
 - d) User Filtered Portfolio
9. Where "User Defined Fields" are typically maintained?
- a) in the Web interface, in the preferences section
 - b) in the Client interface by the system administrator
 - c) in the Web interface, on the Activities tab
 - d) in the Client interface under Admin Preferences
10. An activity has an Original Duration of 10, and a Remaining Duration of 10. The Actual Start is assigned to the activity. Physical % is updated to equal 80%. What is the Remaining Duration for this activity?
- a) 80
 - b) 10
 - c) 2
 - d) 8
11. Stands for WBS
- a) Work breakdown structure
 - b) Work breakup structure
 - c) World breakdown structure
 - d) World breakup structure
12. Full form of OBS
- a) Orgazational breakdown structure
 - b) Optional breakdown structure
 - c) Official breakdown structure
 - d) Orgazational broken system.
13. Full form of EPS
- a) Entertainment breakdown structure
 - b) Enterprise breakdown structure

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappelli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



20. Which program must be run to create sales Invoices in the Accounts Receivable system?
- the Invoice Print program (R03B305)
 - the Sales Update program (R42800)
21. What should you do to change the method of allocation for an existing recurring journal entry from amount to percent?
- Change the recurring frequency of the allocation journal.
 - Change the method on the remaining number of recurring journals.
 - Delete the recurring journal and add a new one.
 - Create different versions of the Recurring JE Compute & Print program.
22. Which two statements are true regarding the address book audit log feature?
- You can set it up to record new records only.
 - You can set it up to record new records that have been entered and changes to existing records.
 - You can set it up to record changes to existing records.
 - It is a user preference.
 - You can set it up to record deleted records only.
23. Which field or fields make up the unique key(s) that link the Receipt Header table (F03B13) to the Receipt Detail (F03BI4) table?
- G/L Date (DGJ), Receipt Number (CKNU) and Company (CO)
 - Receipt Number (CKNU)
 - Payment ID (PYID)
 - Payment ID (PYID) and Receipt Number (CKNU)
24. Which two are Regional resources in Oracle Cloud Infrastructure?
- A. Ephemeral public IPs
 - Compartments
 - Compute images
 - Dynamic groups
 - Block volume backups
25. An Oracle Cloud Infrastructure tenancy administrator is not able to delete a user in the tenancy. What can cause this issue?
- User has multi-factor authentication (MFA) enabled.
 - User is member of an Identity and Access Management (IAM) group.
 - Users can be blocked but not deleted.
 - User needs to be deleted from federation Identity Provider (IdP) before deleting from

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Value Added Course

Project Management in PRIMAVERA

ANSWER KEY

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


K. Grayson
VAC coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(P) Status Institution by UGC




Department of CIVIL ENGINEERING

Academic Year 2020 -2021 ODD Semester

STUDENTS PARTICIPATION LIST

VAC PROGRAM-PROJECT MANAGEMENT IN PRIMAVERA

S.No.	Reg.No	Student's Name	Year/ Branch	DATE: 10.08.21		DATE: 11.08.21		DATE: 12.08.21		DATE: 13.08.21		DATE: 14.08.21		NO OF SESSION S ATTEND ED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1.	811218103001	Akash J	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	J. Ak
2.	811218103002	Mahendran M	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	n Mahend
3.	811218103003	Musarf Ali S	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Musarf
4.	811218103004	Prabu JJ	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	J. Prabu
5.	811219103002	Vignesh R	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	R. Vignesh
6.	811220103011	Dharun Kumar R	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	R. Dharun
7.	811220103020	Gunaseelan G	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	G. Gunaseelan
8.	811220103024	Iyyapan Mani A	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	A. Iyyapan


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(P) Status Institution by UGC



Department of CIVIL ENGINEERING

Academic Year 2021 -2022 ODD Semester

9.	811220103025	KalanchiyaMuniyaraj B	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	D. Lakshmi
10.	811220103029	ManiKandan M	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	M. Mani
11.	811220103030	Mohanapriya S	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	P. Mohan
12.	811220103032	MuthuSelvam A	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	A. Muthu
13.	811220103041	Sudhakar R	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	R. Sudhakar
14.	811220103046	Vishwa S	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Vishwa
15.	811220103303	EvanjalineJoycy S	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Joycy
16.	811220103306	Vishva P	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	P. Vishva
17.	811220103307	Thulasimani S	II/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Thulasimani


VAC Coordinator




HoD/CIVIL

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Department of CIVIL ENGINEERING

Academic Year 2021 –2022 ODD Semester

STUDENTS PARTICIPATION LIST

VAC PROGRAM–Project Management in PRIMAVERA

MARK SHEET FOR VALUE ADDED COURSE PROGRAM

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Medurai main Road
Manikandam, Trichy-620 012.

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1.	811218103001	Akash J	IV/CIVIL	30	100	18	72	86
2.	811218103002	Mahendran M	IV/CIVIL	30	100	20	80	90
3.	811218103003	Musarf Ali S	IV/CIVIL	30	100	18	72	86
4.	811218103004	Prabu JJ	IV/CIVIL	30	100	20	80	90
5.	811219103002	Vignesh R	III/CIVIL	30	100	18	72	86
6.	811220103011	Dharun Kumar R	II/CIVIL	30	100	20	80	90
7.	811220103020	Gunaseelan G	II/CIVIL	30	100	18	72	86



Indra Ganesan

COLLEGE OF ENGINEERING


Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Department of CIVIL ENGINEERING

Academic Year 2021 –2022 ODD Semester

8.	811220103024	Iyyapan Mani A	II/CIVIL	30	100	20	80	90
9.	811220103025	KalanchiyaMuniyaraj B	II/CIVIL	30	100	20	80	90
10.	811220103029	ManiKandan M	II/CIVIL	30	100	20	80	90
11.	811220103030	Mohanapriya S	II/CIVIL	30	100	18	72	86
12.	811220103032	MuthuSelvam A	II/CIVIL	30	100	20	80	90
13.	811220103041	Sudhakar R	II/CIVIL	30	100	18	72	86
14.	811220103046	Vishwa S	II/CIVIL	30	100	20	80	90
15.	811220103303	EvanjalineJoycy S	II/CIVIL	30	100	18	72	86
16.	811220103306	Vishva P	II/CIVIL	30	100	20	80	90
17.	811220103307	Thulasimani S	II/CIVIL	30	100	18	72	86


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



REPORT ON VALUE ADDED COURSE					
Title:	PROJECT MANAGEMENT IN PRIMAVERA				
Resource Person:	Mr.M.Bhuvana Selavam ,Technical Head N.Ramesh,Trainer Kalam constructions				
Date of conduct from :	10.08.2021	To:	14.08.2021	Duration:	30 Hours
Organized Department :	Civil Engineering				
Participant Year:	2, 3, 4	No. of Students Registered :	17		
Venue:	Civil Seminar Hall				
Outcome of Value Added Course (VAC): At the end of the Course, Students can able to					
<ul style="list-style-type: none">• Know real-world importance of software in civil engineering• Know how to perform in civil software in industries.• Study about importance of civil engineering software's.• Students are expected to learn and practice the skills they will need in the workplace.• Develop a foundational understanding of civil software's.					
Assessment Process					
<ul style="list-style-type: none">• Students, who are securing more than 70% 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)					
<p><i>K. Gayathri</i> VAC coordinator</p> <p><i>Sivaram</i> HoD/CIVIL</p> <p><i>[Signature]</i> Principal</p>					

[Signature]
Dr. G. Balakrishnan, M.E., P.E.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2021 Status Institution by UGC



REPORT ON VALUE ADDED COURSE

PHOTO OF THE SESSION



K. Gayathri

VAC coordinator

V. Srinivasan

HoD/CIVIL

[Signature]
Principal

[Signature]

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Name of the Student : *Thyagarani*

Year/Sem: *2nd / 1st*

AU Register Number: *81122010320*

20

25

Value Added Course on "Project Management in PRIMAVERA"

MCO QUESTIONS (25X1= 25 Marks)

1. Identify one project intense industries where Primavera has a significant presence.
 a) Oil and Gas
 b) Communications
 c) Health Sciences
 d) Tax
2. What is the significance of assigning the Responsible Manager to an EPS Node
 a) It assigns a generic resource to the EPS
 b) It assigns a named resource to the EPS
 c) It links the EPS to an OBS element
 d) It links the EPS to management reports
3. Identify the field that must be unique in Primavera.
 a) Project Name
 b) Project Description
 c) Project ID
 d) Project Manager
4. Identify a relevant use case for applying a Must Finish By date to a project.
 a) Compare Scheduled Finish to Must Finish By dates to negotiate realistic Finish dates
 b) Apply Must Finish By dates to shorten the duration of the schedule
 c) Apply Must Finish By dates to build case for requesting resources
 d) Compare Must Finish By date to Actual Finish Date to negotiate realistic Finish dates
5. Identify one example of Enterprise specific data.
 a) Enterprise Project Structure
 b) Activities
 c) Baselines
 d) Expenses
6. What takes the highest precedence during Resource Leveling?
 a) Leveling priority
 b) Mandatory constraint

(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Menikandam, Tiruchirappalli - 620 012.
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- ✓ c) Topological sequent
④ .Resource Calendar
7. Cost Variance is calculated as _____
a) Earned Value Cost - Actual Cost
② (b) the Actual Cost of Work Performed
c) the Budgeted Cost of Work Scheduled
d) Budget at Completion - Earned Value Cost
8. You are a Portfolio Manager looking for a new portfolio that you manually created for you have clicked the Group by drop-down list in Portfolios. Which option should you select to quickly find your portfolio?
② (b) Global Filtered Portfolio
c) User Portfolio
d) User Filtered Portfolio
9. Where "User Defined Fields" are typically maintained?
a) in the Web interface, in the preferences section
④ (b) in the Client interface by the system administrator
c) in the Web interface, on the Activities tab
d) in the Client interface under Admin Preferences
10. An activity has an Original Duration of 10, and a Remaining Duration of 10. The Actual Start is assigned to the activity. Physical % is updated to equal 80%. What is the Remaining Duration for this activity?
a) 80
④ (b) 10
c) 2
d) 8
11. Stands for WBS
④ (a) Work breakdown structure
b) Work breakup structure
c) World breakdown structure
d) World breakup structure
12. Full form of OBS
④ (a) Orgazational breakdown structure
b) Optional breakdown structure
c) Official breakdown structure
d) Orgazational broken system.
13. Full form of EPS
a) Entertainment breakdown structure
④ (b) Enterprise breakdown structure
c) Enterprise breakdown system
d) Enery broken system


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Menikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. How many controlling capability in primavera

- a) 5
- b) 3
- c) 7
- d) 2

15. Where are tolerances set in Primavera P6 EPPM?

- a) in Global Preferences
- b) In Performance Thresholds
- c) In Performance Status tab
- d) In Portfolios


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

16. Select the true statement regarding Global Change.

- a) Global change can modify Global Codes.
- b) Global Change can replace existing project data with new data.
- c) Global change can be executed by any user.
- d) Global change can modify Global Security Profiles.

17. The two global profiles that are hard-coded In the system and cannot be deleted or changed are and

- a) No Global Privileges
- b. IT Administrator
- c. Admin Super User
- d. System Administrator
- e. Project Manager

18. In the client application, Timescale relationships are shown by selecting which value from the Layout Options bar?

- a) Group and Sort
- b) Timescale
- c) Bar Chart Options
- d) Bars

19. Select two true statements regarding Calendars.

- a) Global Calendars are available to a subset of projects.
- b) Only a limited number of calendars can be created
- c) Project Calendars are available for the current project only.
- d) Activity Calendars are managed by individual Resources.
- e) Activity type determines whether the activity uses Resource Calendars for scheduling

20. Which program must be run to create sales Invoices in the Accounts Receivable system?

- a) the Invoice Print program (R03B305)



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- b) the Sales Update program (R42800)
21. What should you do to change the method of allocation for an existing recurring journal entry from amount to percent?
- a) Change the recurring frequency of the allocation journal.
 - b) Change the method on the remaining number of recurring journals.
 - c) Delete the recurring journal and add a new one.
 - d) Create different versions of the Recurring JE Compute & Print program.
22. Which two statements are true regarding the address book audit log feature?
- a) You can set it up to record new records only.
 - b) You can set it up to record new records that have been entered and changes to existing records.
 - c) You can set it up to record changes to existing records.
 - d) It is a user preference.
 - e) You can set it up to record deleted records only.
23. Which field or fields make up the unique key(s) that link the Receipt Header table (F03B13) to the Receipt Detail (F03B14) table?
- a) G/L Date (DGJ), Receipt Number (CKNU) and Company (CO)
 - b) Receipt Number (CKNU)
 - c) Payment ID (PYID)
 - d) Payment ID (PYID) and Receipt Number (CKNU)
24. Which two are Regional resources in Oracle Cloud Infrastructure?
- a) A. Ephemeral public IPs
 - b) Compartments
 - c) Compute images
 - d) Dynamic groups
 - e) Block volume backups
25. An Oracle Cloud Infrastructure tenancy administrator is not able to delete a user in the tenancy. What can cause this issue?
- a) User has multi-factor authentication (MFA) enabled.
 - b) User is member of an Identity and Access Management (IAM) group.
 - c) Users can be blocked but not deleted.
 - d) User needs to be deleted from federation Identity Provider (IdP) before deleting from

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Name of the Student : Mahendran . M

Year/Sem: 2nd level

AU Register Number: 811218103002


Value Added Course on "Project Management in PRIMAVERA"

MCO QUESTIONS (25X1= 25 Marks)

20

25

1. Identify one project intense industries where Primavera has a significant presence.
 - a) Oil and Gas
 - b) Communications
 - c) Health Sciences
 - d) Tax
2. What is the significance of assigning the Responsible Manager to an EPS Node
 - a) It assigns a generic resource to the EPS
 - b) It assigns a named resource to the EPS
 - c) It links the EPS to an OBS element
 - d) It links the EPS to management reports
3. Identify the field that must be unique in Primavera.
 - a) Project Name
 - b) Project Description
 - c) Project ID
 - d) Project Manager
4. Identify a relevant use case for applying a Must Finish By date to a project.
 - a) Compare Scheduled Finish to Must Finish By dates to negotiate realistic Finish dates
 - b) Apply Must Finish By dates to shorten the duration of the schedule
 - c) Apply Must Finish By dates to build case for requesting resources
 - d) Compare Must Finish By date to Actual Finish Date to negotiate realistic Finish dates
5. Identify one example of Enterprise specific data.
 - a) Enterprise Project Structure
 - b) Activities
 - c) Baselines
 - d) Expenses
6. What takes the highest precedence during Resource Leveling?
 - a) Leveling priority
 - b) Mandatory constraint


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- c) Topological sequent
d) .Resource Calendar
7. Cost Variance is calculated as _____
a) Earned Value Cost - Actual Cost
b) the Actual Cost of Work Performed
c) the Budgeted Cost of Work Scheduled
d) Budget at Completion - Earned Value Cost
8. You are a Portfolio Manager looking for a new portfolio that you manually created for you have clicked the Group by drop-down list in Portfolios. Which option should you select to quickly find your portfolio?
a) Global Portfolio
b) Global Filtered Portfolio
c) User Portfolio
d) User Filtered Portfolio
9. Where "User Defined Fields" are typically maintained?
a) in the Web interface, in the preferences section
b) in the Client interface by the system administrator
c) in the Web interface, on the Activities tab
d) in the Client interface under Admin Preferences
10. An activity has an Original Duration of 10, and a Remaining Duration of 10. The Actual Start is assigned to the activity. Physical % is updated to equal 80%. What is the Remaining Duration for this activity?
a) 80
b) 10
c) 2
d) 8
11. Stands for WBS
a) Work breakdown structure
b) Work breakup structure
c) World breakdown structure
d) World breakup structure
12. Full form of OBS
a) Orgazational breakdown structure
b) Optional breakdown structure
c) Official breakdown structure
d) Orgazational broken system.
13. Full form of EPS
a) Entertainment breakdown structure
b) Enterprise breakdown structure
c) Enterprise breakdown system
d) Enery broken system

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.




Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. How many controlling capability in primavera
- a) 5
 - b) 3
 - c) 7
 - d) 2
15. Where are tolerances set in Primavera P6 EPPM?
- a) in Global Preferences
 - b) In Performance Thresholds
 - c) In Performance Status tab
 - d) In Portfolios
16. Select the true statement regarding Global Change.
- a) Global change can modify Global Codes.
 - b) Global Change can replace existing project data with new data.
 - c) Global change can be executed by any user.
 - d) Global change can modify Global Security Profiles.
17. The two global profiles that are hard-coded In the system and cannot be deleted or changed are and
- a. No Global Privileges
 - b) IT Administrator
 - c. Admin Super User
 - d. System Administrator
 - e. Project Manager
18. In the client application, Timescale relationships are shown by selecting which value from the Layout Options bar?
- a) Group and Sort
 - b) Timescale
 - c) Bar Chart Options
 - d) Bars
19. Select two true statements regarding Calendars.
- a) Global Calendars are available to a subset of projects.
 - b) Only a limited number of calendars can be created
 - c) Project Calendars are available for the current project only.
 - d) Activity Calendars are managed by individual Resources.
 - e) Activity type determines whether the activity uses Resource Calendars for scheduling
20. Which program must be run to create sales Invoices in the Accounts Receivable system?
- a) the Invoice Print program (R03B305)


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- (b) the Sales Update program (R42800)
21. What should you do to change the method of allocation for an existing recurring journal entry from amount to percent?
- (a) Change the recurring frequency of the allocation journal.
 - b) Change the method on the remaining number of recurring journals.
 - c) Delete the recurring journal and add a new one.
 - d) Create different versions of the Recurring JE Compute & Print program.
22. Which two statements are true regarding the address book audit log feature?
- (a) You can set it up to record new records only.
 - b) You can set it up to record new records that have been entered and changes to existing records.
 - c) You can set it up to record changes to existing records.
 - d) It is a user preference.
 - e) You can set it up to record deleted records only.
23. Which field or fields make up the unique key(s) that link the Receipt Header table (F03B13) to the Receipt Detail (F03BI4) table?
- (a) G/L Date (DGJ), Receipt Number (CKNU) and Company (CO)
 - b) Receipt Number (CKNU)
 - c) Payment ID (PYID)
 - d) Payment ID (PYID) and Receipt Number (CKNU)
24. Which two are Regional resources in Oracle Cloud Infrastructure?
- a) A. Ephemeral public IPs
 - (b) Compartments
 - c) Compute images
 - (d) Dynamic groups
 - e) Block volume backups
25. An Oracle Cloud Infrastructure tenancy administrator is not able to delete a user in the tenancy. What can cause this issue?
- (a) User has multi-factor authentication (MFA) enabled.
 - b) User is member of an Identity and Access Management (IAM) group.
 - c) Users can be blocked but not deleted.
 - d) User needs to be deleted from federation Identity Provider (IdP) before deleting from

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Name of the Student : VIGNESH . R.

Year/Sem: 4th LEVEL

AU Register Number: 811219103002


Value Added Course on "Project Management in PRIMAVERA"

MCO QUESTIONS (25X1= 25 Marks)

- Identify one project intense industries where Primavera has a significant presence.
 - Oil and Gas
 - Communications
 - Health Sciences
 - Tax
- What is the significance of assigning the Responsible Manager to an EPS Node
 - It assigns a generic resource to the EPS
 - It assigns a named resource to the EPS
 - It links the EPS to an OBS element
 - It links the EPS to management reports
- Identify the field that must be unique in Primavera.
 - Project Name
 - Project Description
 - Project ID
 - Project Manager
- Identify a relevant use case for applying a Must Finish By date to a project.
 - Compare Scheduled Finish to Must Finish By dates to negotiate realistic Finish dates
 - Apply Must Finish By dates to shorten the duration of the schedule
 - Apply Must Finish By dates to build case for requesting resources
 - Compare Must Finish By date to Actual Finish Date to negotiate realistic Finish dates
- Identify one example of Enterprise specific data.
 - Enterprise Project Structure
 - Activities
 - Baselines
 - Expenses
- What takes the highest precedence during Resource Leveling?
 - Leveling priority
 - Mandatory constraint

18

25


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
Manikandam, Madurai - 620 012



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- ✓ c) Topological sequent
ⓓ .Resource Calendar
7. Cost Variance is calculated as _____
ⓐ Earned Value Cost - Actual Cost
b) the Actual Cost of Work Performed
c) the Budgeted Cost of Work Scheduled
d) Budget at Completion - Earned Value Cost
8. You are a Portfolio Manager looking for a new portfolio that you manually created for you have clicked the Group by drop-down list in Portfolios. Which option should you select to quickly find your portfolio?
a) Global Portfolio
b) Global Filtered Portfolio
ⓓ User Portfolio
ⓐ User Filtered Portfolio
9. Where "User Defined Fields" are typically maintained?
a) in the Web interface, in the preferences section
✓ ⓓ in the Client interface by the system administrator
c) in the Web interface, on the Activities tab
d) in the Client interface under Admin Preferences
10. An activity has an Original Duration of 10, and a Remaining Duration of 10. The Actual Start is assigned to the activity. Physical % is updated to equal 80%. What is the Remaining Duration for this activity?
✓ a) 80
✓ ⓓ 10
+ ⓐ 2
d) 8
11. Stands for WBS
ⓐ Work breakdown structure
✓ b) Work breakup structure
c) World breakdown structure
d) World breakup structure
12. Full form of OBS
ⓐ Organizational breakdown structure
✓ b) Optional breakdown structure
c) Official breakdown structure
d) Orgazational broken system.
13. Full form of EPS
a) Entertainment breakdown structure
✓ ⓓ Enterprise breakdown structure
c) Enterprise breakdown system
d) Enery broken system

Dr. G. Balakrishnan M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering
IG Valley, Medurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. How many controlling capability in primavera

- a) 5
- b) 3
- c) 7
- d) 2

15. Where are tolerances set in Primavera P6 EPPM?

- a) in Global Preferences
- b) In Performance Thresholds
- c) In Performance Status tab
- d) In Portfolios


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012

16. Select the true statement regarding Global Change.

- a) Global change can modify Global Codes.
- b) Global Change can replace existing project data with new data.
- c) Global change can be executed by any user.
- d) Global change can modify Global Security Profiles.

17. The two global profiles that are hard-coded In the system and cannot be deleted or changed are and

- a) No Global Privileges
- b. IT Administrator
- c. Admin Super User
- d. System Administrator
- e. Project Manager

18. In the client application, Timescale relationships are shown by selecting which value from the Layout Options bar?

- a) Group and Sort
- b) Timescale
- c) Bar Chart Options
- d) Bars

19. Select two true statements regarding Calendars.

- a) Global Calendars are available to a subset of projects.
- b) Only a limited number of calendars can be created
- c) Project Calendars are available for the current project only.
- d) Activity Calendars are managed by individual Resources.
- e) Activity type determines whether the activity uses Resource Calendars for scheduling

20. Which program must be run to create sales Invoices in the Accounts Receivable system?

- a) the Invoice Print program (R03B305)



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



- b) the Sales Update program (R42800)
21. What should you do to change the method of allocation for an existing recurring journal entry from amount to percent?
- a) Change the recurring frequency of the allocation journal.
 - b) Change the method on the remaining number of recurring journals.
 - c) Delete the recurring journal and add a new one.
 - d) Create different versions of the Recurring JE Compute & Print program.
22. Which two statements are true regarding the address book audit log feature?
- a) You can set it up to record new records only.
 - b) You can set it up to record new records that have been entered and changes to existing records.
 - c) You can set it up to record changes to existing records.
 - d) It is a user preference.
 - e) You can set it up to record deleted records only.
23. Which field or fields make up the unique key(s) that link the Receipt Header table (F03B13) to the Receipt Detail (F03BI4) table?
- a) G/L Date (DGJ), Receipt Number (CKNU) and Company (CO)
 - b) Receipt Number (CKNU)
 - c) Payment ID (PYID)
 - d) Payment ID (PYID) and Receipt Number (CKNU)
24. Which two are Regional resources in Oracle Cloud Infrastructure?
- a) A. Ephemeral public IPs
 - b) Compartments
 - c) Compute images
 - d) Dynamic groups
 - e) Block volume backups
25. An Oracle Cloud Infrastructure tenancy administrator is not able to delete a user in the tenancy. What can cause this issue?
- a) User has multi-factor authentication (MFA) enabled.
 - b) User is member of an Identity and Access Management (IAM) group.
 - c) Users can be blocked but not deleted.
 - d) User needs to be deleted from federation Identity Provider (IdP) before deleting from

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

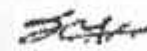
Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2017 Status Excellence by FGC




CERTIFICATE OF PARTICIPATION

This is to certify that Mr.VISHVA.P of II Year B.E- CIVIL Indra Ganesan College of Engineering has successfully completed the Value Added course "Project Management in PRIMAVERA"organised By Department Of Civil Engineering in association with KALAM CONSTRUCTIONS conducted from 10.08.2021 to 14.08.2021.(5days) during Academic year 2021- 2022


Managing Director
Kalam constructions


Principal
Indra Ganesan Engineering college


Principal, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING


Madurai Main Road (NH-46B), Manikandam, Tiruchinappalli - 620 012
Approved by AICTE, New Delhi & Affiliated by Anna University, Chennai
NAAC Accredited, ISO 9001:2015 Certified by IIGI



CERTIFICATE OF PARTICIPATION

This is to certify that Mr.VIGNESH.R of III Year B.E- CIVIL Indra Ganesan College of Engineering has successfully completed the Value Added course "Project Management in PRIMAVERA"organised By Department Of Civil Engineering in association with KALAM CONSTRUCTIONS conducted from 10.08.2021 to 14.08.2021.(5days) during Academic year 2021- 2022


Managing Director
Kalam constructions


Principal
Indra Ganesan Engineering college


Dr. G. Balakrishnan, M.E.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medikal Main Road (NH-45B), Manikandan, Trichy - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, (F) Status Institution by UGC



CERTIFICATE OF PARTICIPATION

This is to certify that Mr. AKASH J of IV Year B.E- CIVIL Indra Ganesan College of Engineering has successfully completed the Value Added course "Project Management in PRIMAVERA" organised By Department Of Civil Engineering in association with KALAM CONSTRUCTIONS conducted from 10.08.2021 to 14.08.2021. (5 days) during Academic year 2021- 2022


Managing Director
Kalam constructions


Principal
Indra Ganesan Engineering college


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Medikal Main Road
Manikandan, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Ref: IGCE/CIVIL/2021-22 VAC/01

03.03.2021

Department Of Civil Engineering

Academic Year 2021-2022 Even Semester

DEPARTMENT CIRCULAR

Department of Civil Engineering and IQAC of IGCE in association with **5D Architects & Constructions**. Is going to organize Value Added Course for all second, third and final year students on "STAAD.Pro" from 07.03.2021 to 11.03.2021. Certificates will be issued to the eligible Participants at the end of the course. This training is to be provided in our campus.

Resource Person Details:	Ms.R.Sheela, Ms.Swetha Trainers 5D Architects & Constructions Trichy
Session Taken from:	Civil Seminar Hall

Sivasamy
HoD/CIVIL

[Signature]
Principal

Cc:

- PRINCIPAL OFFICE
- HOD/CIVIL & Faculty Members
- All II,III and IV Year B.E CIVIL Classes
- IQAC Coordinator
- Notice Board
- Office File

[Signature]
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC




Value Added Course on "STAAD.PRO"

SYLLABUS

S.NO	TOPIC COVERED	DURATI ON (in hours)	DATE
1	Introduction to staad pro modeling of 2d rc frames,	3	07.03.2021
2	Node creation adding beams, member property and loading analysis & view results	3	07.03.2021
3	Introduction to 3d structures, node creation(theory & practical) types of loading, load cases for rc building	3	08.03.2021
4	types of loading, load cases for rc building	3	08.03.2021
5	Calculation for wind and seismic analysis and view output files.	3	09.03.2021
6	results normal design for rc building interactive design RC	3	09.03.2021
7	Modeling of 2d steel structures analysis	3	10.03.2021
8	view results introduction to structure wizard model type steel 3d	3	10.03.2021
9	Normal design for steel structures interactive design	3	11.03.2021
10	steel modeling of plates load cases for plates water tank design, analysis and view output files results	3	11.03.2021
11	Exam	1	11.03.2021
Total Hours		30 (Excluding Test)	-


VAC Coordinator


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.


HoD/CIVIL



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC




STUDENTS PARTICIPATION LIST

VAC PROGRAM-STAAD.PRO

S.No.	Reg.No	Student's Name	Year/ Branch
1.	811218103001	Akash J	IV/CIVIL
2.	811218103002	Mahendran M	IV/CIVIL
3.	811218103003	Musarf Ali S	IV/CIVIL
4.	811218103004	Prabu JJ	IV/CIVIL
5.	811219103002	Vignesh R	III/CIVIL
6.	811220103011	Dharun Kumar R	II/CIVIL
7.	811220103020	Gunaseelan G	II/CIVIL
8.	811220103024	Iyyapan Mani A	II/CIVIL
9.	811220103025	KalanchiyaMuniyaraj B	II/CIVIL
10.	811220103029	ManiKandan M	II/CIVIL
11.	811220103030	Mohanapriya S	II/CIVIL
12.	811220103032	MuthuSelvam A	II/CIVIL
13.	811220103041	Sudhakar R	II/CIVIL
14.	811220103046	Vishwa S	II/CIVIL
15.	811220103303	EvanjalineJoycy S	II/CIVIL
16.	811220103306	Vishva P	II/CIVIL
17.	811220103307	Thulasimani S	II/CIVIL


VAC Coordinator


HoD/CIVIL


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, J(F) Status Institution by UGC



Name of the Student :

Year/Sem:

AU Register Number:

Value Added Course on "STAAD.PRO"

MULTIPLE CHOICE QUESTIONS (25X1=25 MARKS)

1. Which of the following structural loads are not applied commonly to a building?
 - a) Environmental load
 - b) Live load
 - c) Dead load
 - d) Rain load
2. Which of the following is statically determinate structure?
 - a) Two hinged arch
 - b) Fixed beam
 - c) Double overhanging
 - d) Continuous beam
3. Which of the following material is not used in making trusses?
 - a) Metal bars
 - b) Concrete
 - c) Wooden struts
 - d) Channel
4. Why base plate is provided in short roof trusses?
 - a) For rigidity
 - b) As provision for temperature related expansion/contraction
 - c) To transmit load effectively
 - d) For stability
5. Which of the following is false for deflection of a point nearby a fixed support?
 - a) Displacement and slope is zero
 - b) Displacement as well as slope is non-zero
 - c) Displacement is zero
 - d) Slope is zero
6. Which structure will perform better during earthquake?
 - a) Statically determinate and indeterminate
 - b) Depends upon magnitude of earthquake
 - c) Statically indeterminate
 - d) Statically determinate


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
G. Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



7. Which type of structure would cost less in terms of materials?
- Statically indeterminate
 - Both will cost equally
 - Depends upon loading
 - Statically determinate
8. Which of the following is carried by truss members?
- flexural load
 - bending load
 - axial load
 - shear load
9. When a structural member of the uniform section is subjected to a moment at one end only, then the moment required so as to rotate that end to produce a unit slope, is called _____
- Stiffness of member
 - Capacity of member
 - Potential of member
 - Resistance of member
10. If in an interior beam, adjacent structures are exactly similar then the tributary area is:-
- Obtuse triangle
 - Right angled triangle
 - Acute triangle
 - Trapezium
11. Which of the following methods for solving indeterminate structures are easiest for computational purposes?
- Displacement method
 - Method of consistent deformation
 - Moment area method
 - Force method
12. Which of the following methods of structural analysis is a force method?
- three moment equation
 - slope deflection method
 - column analogy method
 - moment distribution method
13. Force-displacement requirement of statically indeterminate structures depend upon which factor?
- supports
 - material's response
 - position of load applied
 - magnitude of load applied

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.




Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. To draw qualitative ILD of indeterminate structure, which of the following concept is used.
- MullersBreslou's Principle
 - Kani's Method
 - Unit Load Method
 - Castigilano's First energy theorem
15. Which of the following material will have the highest value of response modification factor?
- Structural steel frames
 - Reinforced concrete shear walls
 - Wood
 - Reinforced concrete frames with flexible joints
16. Live loads, with time can vary in:-
- Magnitude
 - Position
 - Neither position nor magnitude
 - Position as well as magnitude
17. Most of the loads applied to a building are environmental load. State whether this statement is true or false.
- True
 - False
18. Building codes require the partition load to be considered even without partition if live load is less than
- 60 psf
 - 70 psf
 - 80 psf
 - 90 psf
19. In the method used to establish the magnitude of live load, what is the reference time period?
- 30 years
 - 35 years
 - 50 years
 - 60 years
20. Impact load results from which type of effects of loads applied?
- Static
 - Dynamic
 - Static and dynamic
 - Neither static nor dynamic


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai, Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchireppalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(F) Status Institution by UGC



21. How an increase in the pitch of the roof does affects the amount of load that can be placed on it?
- It increases
 - It decreases
 - Remains constant
 - Depends upon case
22. Which type of drainage system will collect the rainwater?
- Primary
 - Secondary
 - Tertiary
 - Primary and tertiary
23. In which of the following cases is ASCE procedure not applied?
- Enclosed structure
 - Regular shape grid
 - High rise structure
 - Roof with 60 ft. height
24. For the validity of principle of superposition, materials should behave in whichmanner?
- linear-elastic
 - non-linear-elastic
 - Non-linear- inelastic
 - Linear- inelastic
25. If in a planar system, only 2 reaction forces are acting, then the system is:-
- Essentially unstable
 - Essentially stable
 - Can't say
 - None of the mentioned

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchireppalli - 620 012
Approved by: AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(F) Status Institution by UGC



Value Added Course on "STAAD.PRO"

ANSWER KEY

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

VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.






Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



REPORT ON VALUE ADDED COURSE					
Title:		STAAD.PRO			
Resource Person:		Ms.R.SHEELA, Ms.SWETHA, SD ARCHITECTS & CONSTRUCTIONS,TRICHY			
Date of conduct from :	07.03.2021	To:	11.03.2021	Duration:	30 Hours
Organized Department :	Civil Engineering				
Participant Year:	2, 3, 4			No. of Students Registered :	17
Venue:	Online Google meet				
Outcome of Value Added Course (VAC): At the end of the Course, Students can able to					
<ul style="list-style-type: none">• Know real-world importance of software in Civil Engineering• Know how to perform in civil software in industries.• Study about Staad pro of civil engineering software's.• Students are expected to learn and practice the skills they will need in the workplace.• Develop a foundational understanding of civil software's.					
Assessment Process					
<ul style="list-style-type: none">• Students, who are securing more than 70% 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)					
 VAC Coordinator		 HoD/CIVIL		 PRINCIPAL	

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



REPORT ON VALUE ADDED COURSE

PHOTO OF THE SESSION:



Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

VAC Coordinator

HoD/CIVIL

PRINCIPAL



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Academic Year 2021 -2022 EVEN Semester

STUDENTS PARTICIPATION LIST

MARK SHEET VALUE ADDED COURSE PROGRAM - STAAD.PRO

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

S.No.	Reg.No	Student's Name	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL MARK(100) (50% of A + 50% of B)
				No. of Session Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	
1.	811218103001	Akash J	IV/CIVIL	27	90	18	72	81
2.	811218103002	Mahendran M	IV/CIVIL	30	100	20	80	90
3.	811218103003	Musarf Ali S	IV/CIVIL	30	100	18	72	86
4.	811218103004	Prabu JJ	IV/CIVIL	30	100	20	80	90
5.	811219103002	Vignesh R	III/CIVIL	27	90	18	72	81
6.	811220103011	Dharun Kumar R	II/CIVIL	30	100	17	68	84
7.	811220103020	Gunaseelan G	II/CIVIL	30	100	18	72	86
8.	811220103024	Iyyapan Mani A	II/CIVIL	27	90	18	72	81
9.	811220103025	KalanchiyaMuniyaraj B	II/CIVIL	27	90	18	72	81
10.	811220103029	ManiKandan M	II/CIVIL	30	100	20	80	90



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Academic Year 2021 –2022 EVEN Semester

STUDENTS PARTICIPATION LIST

MARK SHEET VALUE ADDED COURSE PROGRAM – STAAD.PRO

11.	811220103030	Mohanapriya S	II/CIVIL	30	100	17	68	84
12.	811220103032	MuthuSelvam A	II/CIVIL	30	100	18	72	86
13.	811220103041	Sudhakar R	II/CIVIL	30	100	22	88	94
14.	811220103046	Vishwa S	II/CIVIL	30	100	20	80	90
15.	811220103303	EvanjalineJoycy S	II/CIVIL	27	90	18	72	81
16.	811220103306	Vishva P	II/CIVIL	27	90	18	72	81
17.	811220103307	Thulasimani S	II/CIVIL	30	100	20	80	90


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IS Valley, Medurai Main Road
Manikandam, Trichy-620 012



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Department of CIVIL ENGINEERING

Academic Year 2021-2022 EVEN Semester

STUDENTS PARTICIPATION LIST

VAC PROGRAM-STAAD.PRO

S.No.	Reg.No	Student's Name	Year/ Branch	DATE: 07.03.21		DATE: 08.03.21		DATE: 09.03.21		DATE: 10.03.21		DATE: 11.03.21		NO OF SESSION & ATTEND ED	SIGNATURE OF THE STUDENT
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN		
1.	811218103001	Akath J	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	<i>[Signature]</i>
2.	811218103002	Mabendran M	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	<i>[Signature]</i>
3.	811218103003	Musarf Ali S	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	<i>[Signature]</i>
4.	811218103004	Prabu J	IV/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	<i>[Signature]</i>
5.	811219103002	Vignesh R	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	<i>[Signature]</i>
6.	811220103011	Dharun Kumar R	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	<i>[Signature]</i>
7.	811220103020	Gunaseelan G	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	<i>[Signature]</i>
8.	811220103024	Iyyapan Mani A	III/CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9	<i>[Signature]</i>

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

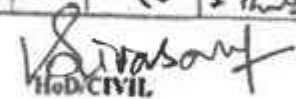
COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



9.	811220103025	Kalanchiyamuniaraj B	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09	S. S. S.
10.	811220103029	Manikandan M	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	M. Manikandan
11.	811220103030	Mohanapriya S	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Mohanapriya
12.	811220103032	MuthuSelvam A	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	M. MuthuSelvam
13.	811220103041	Sudhakar R	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	R. Sudhakar
14.	811220103046	Vishwa S	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Vishwa
15.	811220103303	EvanjalineJoycy S	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09	S. Evanjaline
16.	811220103306	Vishva P	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	09	P. Vishva
17.	811220103307	Thulasimani S	II CIVIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10	S. Thulasimani


QAC Coordinator


HoD CIVIL



Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Medurai Main Road
Manikandam, Tiruchy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(F) Status Institution by DGC



Name of the Student : *Sudhakar . R.*

AU Register Number: *011220103041*

Year/Sem: *1st / 1st*

Value Added Course on "STAAD.PRO" ✓

MULTIPLE CHOICE QUESTIONS (25X1=25 MARKS)

- Which of the following structural loads are not applied commonly to a building?
 - Environmental load
 - Live load
 - Dead load
 - Rain load
- Which of the following is statically determinate structure?
 - Two hinged arch
 - Fixed beam
 - Double overhanging
 - Continuous beam
- Which of the following material is not used in making trusses?
 - Metal bars
 - Concrete
 - Wooden struts
 - Channel
- Why base plate is provided in short roof trusses?
 - For rigidity
 - As provision for temperature related expansion/contraction
 - To transmit load effectively
 - For stability
- Which of the following is false for deflection of a point nearby a fixed support?
 - Displacement and slope is zero
 - Displacement as well as slope is non-zero
 - Displacement is zero
 - Slope is zero
- Which structure will perform better during earthquake?
 - Statically determinate and indeterminate
 - Depends upon magnitude of earthquake
 - Statically indeterminate
 - Statically determinate

(Signature)
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Medurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(F) Status Institution by UGC



7. Which type of structure would cost less in terms of materials?
- a) Statically indeterminate
 - b) Both will cost equally
 - c) Depends upon loading
 - d) Statically determinate
8. Which of the following is carried by truss members?
- a) flexural load
 - b) bending load
 - c) axial load
 - d) shear load
9. When a structural member of the uniform section is subjected to a moment at one end only, then the moment required so as to rotate that end to produce a unit slope, is called _____
- a) Stiffness of member
 - b) Capacity of member
 - c) Potential of member
 - d) Resistance of member
10. If in an interior beam, adjacent structures are exactly similar then the tributary area is:-
- a) Obtuse triangle
 - b) Right angled triangle
 - c) Acute triangle
 - d) Trapezium
11. Which of the following methods for solving indeterminate structures are easiest for computational purposes?
- a) Displacement method
 - b) Method of consistent deformation
 - c) Moment area method
 - d) Force method
12. Which of the following methods of structural analysis is a force method?
- a) three moment equation
 - b) slope deflection method
 - c) column analogy method
 - d) moment distribution method
13. Force-displacement requirement of statically indeterminate structures depend upon which factor?
- a) supports
 - b) material's response
 - c) position of load applied
 - d) magnitude of load applied

Dr. G. Balakrishnan, M.E., Ph.D.
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Tiruchy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(F) Status Institution by UGC



14. To draw qualitative ILD of indeterminate structure, which of the following concept is used.
- a) MullersBreslou's Principle
 - b) Kani's Method
 - c) Unit Load Method
 - d) Castigilano's First energy theorem
15. Which of the following material will have the highest value of response modification factor?
- a) Structural steel frames
 - b) Reinforced concrete shear walls
 - c) Wood
 - d) Reinforced concrete frames with flexible joints
16. Live loads, with time can vary in:-
- a) Magnitude
 - b) Position
 - c) Neither position nor magnitude
 - d) Position as well as magnitude
17. Most of the loads applied to a building are environmental load.
State whether this statement is true or false.
- a) True
 - b) False
18. Building codes require the partition load to be considered even without partition if live load is less than
- a) 60 psf
 - b) 70 psf
 - c) 80 psf
 - d) 90 psf
19. In the method used to establish the magnitude of live load, what is the reference time period?
- a) 30 years
 - b) 35 years
 - c) 50 years
 - d) 60 years
20. Impact load results from which type of effects of loads applied?
- a) Static
 - b) Dynamic
 - c) Static and dynamic
 - d) Neither static nor dynamic


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Medurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



21. How an increase in the pitch of the roof does affects the amount of load that can be placed on it?
- a) It increases
 - b) It decreases
 - c) Remains constant
 - d) Depends upon case
22. Which type of drainage system will collect the rainwater?
- a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Primary and tertiary
23. In which of the following cases is ASCE procedure not applied?
- a) Enclosed structure
 - b) Regular shape grid
 - c) High rise structure
 - d) Roof with 60 ft. height
24. For the validity of principle of superposition, materials should behave in which manner?
- a) linear-elastic
 - b) non-linear-elastic
 - c) Non-linear-inelastic
 - d) Linear-inelastic
25. If in a planar system, only 2 reaction forces are acting, then the system is:-
- a) Essentially unstable
 - b) Essentially stable
 - c) Can't say
 - d) None of the mentioned

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



Name of the Student: Vignesh.R.

Year/Sem: III / civil

AU Register Number: 811219103002

Value Added Course on "STAAD.PRO"

MULTIPLE CHOICE QUESTIONS (25X1=25 MARKS)

- Which of the following structural loads are not applied commonly to a building?
a) Environmental load
b) Live load
c) Dead load
d) Rain load
- Which of the following is statically determinate structure?
a) Two hinged arch
b) Fixed beam
c) Double overhanging
d) Continuous beam
- Which of the following material is not used in making trusses?
a) Metal bars
b) Concrete
c) Wooden struts
d) Channel
- Why base plate is provided in short roof trusses?
a) For rigidity
b) As provision for temperature related expansion/contraction
c) To transmit load effectively
d) For stability
- Which of the following is false for deflection of a point nearby a fixed support?
a) Displacement and slope is zero
b) Displacement as well as slope is non-zero
c) Displacement is zero
d) Slope is zero
- Which structure will perform better during earthquake?
a) Statically determinate and indeterminate
b) Depends upon magnitude of earthquake
c) Statically indeterminate
d) Statically determinate
- Which type of structure would cost less in terms of materials?
a) Statically indeterminate


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Medurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012

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

NAAC Accredited, 2(F) Status Institution by UGC



- b) Both will cost equally
 c) Depends upon loading
 d) Statically determinate
8. Which of the following is carried by truss members?
a) flexural load
b) bending load
 c) axial load
d) shear load
9. When a structural member of the uniform section is subjected to a moment at one end only, then the moment required so as to rotate that end to produce a unit slope, is called _____
 a) Stiffness of member
b) Capacity of member
c) Potential of member
d) Resistance of member
10. If in an interior beam, adjacent structures are exactly similar then the tributary area is:-
a) Obtuse triangle
 b) Right angled triangle
c) Acute triangle
d) Trapezium
11. Which of the following methods for solving indeterminate structures are easiest for computational purposes?
 a) Displacement method
b) Method of consistent deformation
c) Moment area method
d) Force method
12. Which of the following methods of structural analysis is a force method?
a) three moment equation
b) slope deflection method
 c) column analogy method
d) moment distribution method
13. Force-displacement requirement of statically indeterminate structures depend upon which factor?
a) supports
 b) material's response
c) position of load applied
d) magnitude of load applied

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engg.

IG Valley, Medurai Main Road

Manikandam, Trichy-620 012



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. To draw qualitative ILD of indeterminate structure, which of the following concept is used.
- a) MullersBreslou's Principle
 - b) Kani's Method
 - c) Unit Load Method
 - d) Castigilano's First energy theorem
15. Which of the following material will have the highest value of response modification factor?
- a) Structural steel frames
 - b) Reinforced concrete shear walls
 - c) Wood
 - d) Reinforced concrete frames with flexible joints
16. Live loads, with time can vary in:-
- a) Magnitude
 - b) Position
 - c) Neither position nor magnitude
 - d) Position as well as magnitude
17. Most of the loads applied to a building are environmental load. State whether this statement is true or false.
- a) True
 - b) False
18. Building codes require the partition load to be considered even without partition if live load is less than
- a) 60 psf
 - b) 70 psf
 - c) 80 psf
 - d) 90 psf
19. In the method used to establish the magnitude of live load, what is the reference time period?
- a) 30 years
 - b) 35 years
 - c) 50 years
 - d) 60 years
20. Impact load results from which type of effects of loads applied?
- a) Static
 - b) Dynamic
 - c) Static and dynamic
 - d) Neither static nor dynamic

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.




Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(7) Status Institution by UGC



21. How an increase in the pitch of the roof does affects the amount of load that can be placed on it?
- a) It increases
 - b) It decreases
 - c) Remains constant
 - d) Depends upon case
22. Which type of drainage system will collect the rainwater?
- a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Primary and tertiary
23. In which of the following cases is ASCE procedure not applied?
- a) Enclosed structure
 - b) Regular shape grid
 - c) High rise structure
 - d) Roof with 60 ft. height
24. For the validity of principle of superposition, materials should behave in which manner?
- a) linear-elastic
 - b) non-linear-elastic
 - c) Non-linear- inelastic
 - d) Linear- inelastic
25. If in a planar system, only 2 reaction forces are acting, then the system is:-
- a) Essentially unstable
 - b) Essentially stable
 - c) Can't say
 - d) None of the mentioned


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3CP Status Institution by UGC



Name of the Student: Mahendran. M

Year/Sem: IV-LEVEL


AU Register Number: 8112181 03002

Value Added Course on "STAAD.PRO"

MULTIPLE CHOICE QUESTIONS (25X1=25 MARKS)

- Which of the following structural loads are not applied commonly to a building?
 - Environmental load
 - Live load
 - Dead load
 - Rain load
- Which of the following is statically determinate structure?
 - Two hinged arch
 - Fixed beam
 - Double overhanging
 - Continuous beam
- Which of the following material is not used in making trusses?
 - Metal bars
 - Concrete
 - Wooden struts
 - Channel
- Why base plate is provided in short roof trusses?
 - For rigidity
 - As provision for temperature related expansion/contraction
 - To transmit load effectively
 - For stability
- Which of the following is false for deflection of a point nearby a fixed support?
 - Displacement and slope is zero
 - Displacement as well as slope is non-zero
 - Displacement is zero
 - Slope is zero
- Which structure will perform better during earthquake?
 - Statically determinate and indeterminate
 - Depends upon magnitude of earthquake
 - Statically indeterminate
 - Statically determinate
- Which type of structure would cost less in terms of materials?
 - Statically indeterminate

20
25


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering,
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.




Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(0) Status Institution by UGC



- b) Both will cost equally
c) Depends upon loading
d) Statically determinate
8. Which of the following is carried by truss members?
a) flexural load
b) bending load
c) axial load
d) shear load
9. When a structural member of the uniform section is subjected to a moment at one end only, then the moment required so as to rotate that end to produce a unit slope, is called ____
a) Stiffness of member
b) Capacity of member
c) Potential of member
d) Resistance of member
10. If in an interior beam, adjacent structures are exactly similar then the tributary area is:-
a) Obtuse triangle
b) Right angled triangle
c) Acute triangle
d) Trapezium
11. Which of the following methods for solving indeterminate structures are easiest for computational purposes?
a) Displacement method
b) Method of consistent deformation
c) Moment area method
d) Force method
12. Which of the following methods of structural analysis is a force method?
a) three moment equation
b) slope deflection method
c) column analogy method
d) moment distribution method
13. Force-displacement requirement of statically indeterminate structures depend upon which factor?
a) supports
b) material's response
c) position of load applied
d) magnitude of load applied


Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, City-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



14. To draw qualitative ILD of indeterminate structure, which of the following concept is used.

- a) Mullers Breslou's Principle
- b) Kani's Method
- c) Unit Load Method
- d) Castiglano's First energy theorem

15. Which of the following material will have the highest value of response modification factor?

- a) Structural steel frames
- b) Reinforced concrete shear walls
- c) Wood
- d) Reinforced concrete frames with flexible joints

16. Live loads, with time can vary in:-

- a) Magnitude
- b) Position
- c) Neither position nor magnitude
- d) Position as well as magnitude

17. Most of the loads applied to a building are environmental load.

State whether this statement is true or false.

- a) True
- b) False

18. Building codes require the partition load to be considered even without partition if live load is less than

- a) 60 psf
- b) 70 psf
- c) 80 psf
- d) 90 psf

19. In the method used to establish the magnitude of live load, what is the reference time period?

- a) 30 years
- b) 35 years
- c) 50 years
- d) 60 years

20. Impact load results from which type of effects of loads applied?

- a) Static
- b) Dynamic
- c) Static and dynamic
- d) Neither static nor dynamic


Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



21. How an increase in the pitch of the roof does affects the amount of load that can be placed on it?
- a) It increases
 - b) It decreases
 - c) Remains constant
 - d) Depends upon case
22. Which type of drainage system will collect the rainwater?
- a) Primary
 - b) Secondary
 - c) Tertiary
 - d) Primary and tertiary
23. In which of the following cases is ASCE procedure not applied?
- a) Enclosed structure
 - b) Regular shape grid
 - c) High rise structure
 - d) Roof with 60 ft. height
24. For the validity of principle of superposition, materials should behave in which manner?
- a) linear-elastic
 - b) non-linear-elastic
 - c) Non-linear- inelastic
 - d) Linear- inelastic
25. If in a planar system, only 2 reaction forces are acting, then the system is:-
- a) Essentially unstable
 - b) Essentially stable
 - c) Can't say
 - d) None of the mentioned

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Vailey, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

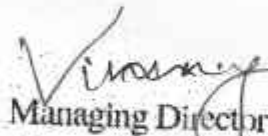
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 3(P) Status Institution by UGC



CERTIFICATE

OF PARTICIPATION

This is to certify that Mr. VISHVA.P of II Year B.E- CIVIL, Indra Ganesan College of Engineering has successfully completed the Value Added course "STAAD.Pro" organised By Department Of Civil Engineering in association with 5D Architects Constructions conducted from 07.03.2021 to 11.03.2021. (5days) during Academic year 2021-2022


Managing Director

5D Architects & Constructions



Principal

Indra Ganesan Engineering college


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan


COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, JIBI Status Institution by UGC



CERTIFICATE OF PARTICIPATION

This is to certify that Mr.VIGNESH.R of III Year B.E- CIVIL, Indra Ganesan College of Engineering has successfully completed the Value Added course "STAAD.Pro" organised By Department Of Civil Engineering in association with 5D Architects Constructions conducted from 07.03.2021 to 11.03.2021. (5days) during Academic year 2021-2022


Managing Director

5D Architects & Constructions


Principal

Indra Ganesan Engineering college

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-456), Merikandem, Trichirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, RPJ Status Institution by UGC




CERTIFICATE OF PARTICIPATION

This is to certify that Mr.AKASHJ of IV Year B.E- CIVIL Indra Ganesan College of Engineering has successfully completed the Value Added course "STAAD.Pro"organised By Department Of Civil Engineering in association with 5D Architects Constructions conducted from 07.03.2021 to 11.03.2021. (5days) during Academic year 2021-2022


Managing Director
5D Architects & Constructions


Principal
Indra Ganesan Engineering college


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Jaffar, Madurai Main Road
Merikandem, Trichy-620 012.