



SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING

Report of the Concrete Day Quiz 2023



Indian Concrete Institute
Chennai Centre



13.09.2023

Coordinators

Ms. Ruby Freya
Mr. A. Vijay Vignesh
(AP/Civil)

Convenor

Dr. R. Kumutha
HoD/Civil



SRI VENKATESWARA COLLEGE OF ENGINEERING



DEPARTMENT OF CIVIL ENGINEERING

Report on Concrete Day Quiz 2023

Date : 13th September 2023

Mode: Offline

Venue : Biotech Seminar Hall

Convenor & Organising Secretary

Dr.R.Kumutha, Professor & Head/Civil Engineering

Coordinators

Ms. Ruby Freya, Assistant Professor/ Civil Engineering

Mr.A.Vijay Vignesh, Assistant Professor/ Civil Engineering

Target Audience: All students of Civil Engineering

No. of participants : 54

A BRIEF REPORT

Quiz was conducted on the event of Concrete Day Celebrations on 13th September 2023. A total of 54 students and 32 of them secured more than 50 % score. The quiz was conducted through online platform, Google forms and the score was automatically generated based on the answer key uploaded.

Quiz link - <https://forms.gle/Ptc2yf2NFsvg6PX9>

List of Participants and their scores

S.No.	Email Address	Score	Name	Year of Study
1	2021ce0746@svce.ac.in	3 / 20	Balaji. K	III
2	2020ce0594@svce.ac.in	4 / 20	Rithick R	IV
3	2020ce0419@svce.ac.in	4 / 20	M.Keerthivasan	II
4	2022ce0963@svce.ac.in	4 / 20	A.Hemalatha	II
5	2021ce0613@svce.ac.in	5 / 20	Harish Kannen .R	III
6	2020ce0206@svce.ac.in	5 / 20	Senthil Serma Kumar R	IV
7	2022ce0987@svce.ac.in	5 / 20	Kannanlb	II
8	2021ce0909@svce.ac.in	5 / 20	S.L.Vishvananthan	III
9	2022ce0887@svce.ac.in	6 / 20	Prabhu	II
10	2022ce0867@svce.ac.in	6 / 20	V.Kavin Manickam	II
11	2022ce0995@svce.ac.in	6 / 20	Nishanth	II
12	2022ce0894@svce.ac.in	7 / 20	Harshitha T	II
13	2022ce0750@svce.ac.in	8 / 20	Arivumani	II
14	2022ce0041@svce.ac.in	8 / 20	S.Muthu Mathi	II
15	2022ce0745@svce.ac.in	8 / 20	Rekha. R	II
16	2022ce0896@svce.ac.in	8 / 20	Mathimitha	II
17	2020ce0033@svce.ac.in	9 / 20	Praveen Kumar D	IV
18	2022ce0648@svce.ac.in	9 / 20	A Gokul	II
19	2022ce0633@svce.ac.in	9 / 20	J Vikranth	II
20	2020ce0909@svce.ac.in	9 / 20	Syed Afrideen.M	IV
21	2020ce0168@svce.ac.in	9 / 20	Dhanush Kannan L	IV
22	2021ce0708@svce.ac.in	9 / 20	Rashik Ahmed R	III

S.No.	Email Address	Score	Name	Year of Study
23	2022ce0663@svce.ac.in	10 / 20	Jai Hanish Bose.C	II
24	2020ce0384@svce.ac.in	10 / 20	Aurudra Adisheshaiah Krishna	IV
25	2021ce0827@svce.ac.in	10 / 20	Kishor M	III
26	2022ce0620@svce.ac.in	10 / 20	A. Jai Siddarth	II
27	2020ce0959@svce.ac.in	10 / 20	N.M.Santhosh Kumar	IV
28	2022ce0904@svce.ac.in	10 / 20	V.Giridharan	II
29	2021ce0420@svce.ac.in	11 / 20	Aadeshwar. S	III
30	2020ce0254@svce.ac.in	11 / 20	Nd Vinnu Vikram	IV
31	2020ce0359@svce.ac.in	12 / 20	K N Mohammad Salmaan Shariff	IV
32	2021ce0907@svce.ac.in	12 / 20	Gopinath K	III
33	2022ce0825@svce.ac.in	12 / 20	Varun Babu.C.S	II
34	2021ce0390@svce.ac.in	13 / 20	Velan S	III
35	2020ce0344@svce.ac.in	13 / 20	Naresh U	IV
36	2022ce0283@svce.ac.in	13 / 20	Yugheswaran	II
37	2021ce0459@svce.ac.in	14 / 20	Kalicharan A S	III
38	2020ce0568@svce.ac.in	14 / 20	Prem Kumar S	IV
39	2022ce0264@svce.ac.in	15 / 20	Aravintakshan	II
40	2020ce0649@svce.ac.in	15 / 20	M.Giri Ravendar	IV
41	2020ce0957@svce.ac.in	15 / 20	Manimaran A	IV
42	2020ce0245@svce.ac.in	16 / 20	Ramana.R	IV
43	2022ce0665@svce.ac.in	16 / 20	Mohana Priya.S	II
44	2020ce0908@svce.ac.in	17 / 20	Jayasurya.J	IV
45	2022ce0566@svce.ac.in	17 / 20	Gururaje M	II
46	2021ce0364@svce.ac.in	18 / 20	Kaviya R	III
47	2021ce0383@svce.ac.in	18 / 20	Raghavendra B	III
48	2021ce0119@svce.ac.in	18 / 20	Nithila.M	III
49	2020ce0246@svce.ac.in	19 / 20	Siddharth K	IV
50	2022ce0771@svce.ac.in	19 / 20	R.Lokeshwaran	II
51	2021ce0157@svce.ac.in	19 / 20	Lomina R	III
52	2020ce0209@svce.ac.in	19 / 20	Chandravasan P	IV
53	2021ce0087@svce.ac.in	20 / 20	Harini.A	III
54	2020ce0334@svce.ac.in	20 / 20	Praveen Raj.A	IV

List of Prize winners:

First prize

A.Harini, 3rd yr and A Praveen Raj, 4th yr

Second prize

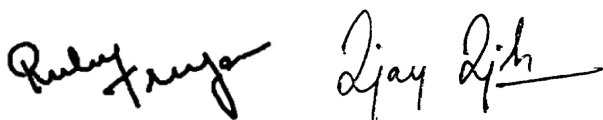
K Siddharth, 4th yr, R Lokeshwaran, 2nd yr, R Lomina, 3rd yr and P Chandravan, 4th yr

SAMPLE CERTIFICATE



The certificate features a decorative background with purple and pink geometric shapes. At the top center is the logo for SVCE (Sri Venkateswara College of Engineering) Department of Civil Engineering, with the text "(Recognised Research Centre by Anna University)". To the right are logos for Indian Concrete Institute (ICI), Bentley Education, Institution's Innovation Council (Ministry of Education Initiative), and CEA. The main text reads "Certificate of Participation" in a large purple font, followed by "THE CERTIFICATE IS PRESENTED TO" in blue, and the name "Lomina R" in a large, elegant script. Below this, it states "for participating in the Quiz Competition and securing 95% on the Concrete Day held on 13th September 2023." At the bottom, there are three signatures with their respective titles: Ruby Freya (Coordinator, Assistant Professor / CVE), Vijay Vignesh A (Coordinator, Assistant Professor / CVE), and Dr. R. Kumutha (Convenor & Organising Secretary, Professor & Head / CVE).

Prepared By



Ms. Ruby Freya (AP/Civil Engg.)

Mr. A. Vijay Vignesh

Coordinators

Approved By



Dr.R.Kumutha

(HoD/Civil Engg.)

Convenor

Concrete Day Quiz

exclusively for the students of Civil Engineering Department

* Indicates required question

1. Email *

2. Name *

3. Registration Number *

4. Email *

5. Phone Number (WhatsApp) *

Quiz

Each question carries 1 mark and there will be no negative marks.

6. What is the importance of the Standard Consistency Test? *

1 point

Mark only one oval.

- It is used to determine the quality of water
- It is used to determine the quality of aggregates
- It is used to determine the quality of cement
- none of these

7. Which of the following cement is used in sewage and water treatment plants?

* 1 point

Mark only one oval.

- Sulphate Resisting Cement
- Quick Setting Cement
- Low Heat Cement
- Rapid Hardening Cement

8. Which of the following is used to test the Standard consistency of cement? * 1 point

Mark only one oval.

- Vicat apparatus
- Duff Abrams apparatus
- Soundness meter
- Le Chatalier apparatus

9. How many layers of concrete are needed to fill a slump cone? *

1 point

Mark only one oval.

- 3 equal layers by volume
- 3 equal layers by height
- 5 layers by volume
- 5 layers by weight

10. Strength of concrete increase with _____ * 1 point

Mark only one oval.

- Increase in fineness of cement
- Increase with w/c ratio
- Decrease in size of aggregates
- Decrease in curing time

11. What is the compaction factor for low degree of workability? * 1 point

Mark only one oval.

- .85
- .78
- .92
- .95

12. Plastic shrinkage cracking occurs in _____ hours after placing. * 1 point

Mark only one oval.

- 5
- .5
- 24
- 10

13. IS code for Specification for ordinary Portland cement, 33 grade? * 1 point

Mark only one oval.

- IS 269:1989
- IS 383:197
- IS 455:1989
- IS 456:2000

14. The water enters into chemical action with cement and this action causes _____ and _____ of concrete. * 1 point

Mark only one oval.

- Setting, hardening
- Swelling, shrinkage
- Expansion, contraction
- Strong, weak

15. The _____ is used to measure the workability of concrete mixture which is commonly used in the field. * 1 point

Mark only one oval.

- Slump test
- Vee-bee test
- Compaction factor
- Consistency test

16. The presence of moisture in the sand _____ the volume of the sand * 1 point

Mark only one oval.

- Increases
- Decreases
- Shrink
- Contract

17. The finer the material, the more will be increasing volume for a given moisture content and this phenomenon is known as the _____ * 1 point

Mark only one oval.

- Bulking of sand
- Shrinkage of sand
- Contraction of sand
- Expansion of sand

18. Which compound is liberates higher heat? * 1 point

Mark only one oval.

- C3S
- C2S
- C3A
- C4AF

19. Which of these constitutes the highest content in OPC? * 1 point

Mark only one oval.

- lime
- alumina
- silica
- iron oxide

20. If the slump of a concrete mix is 60 mm, its workability is * 1 point

Mark only one oval.

- Medium
- Very low
- Low
- high

21. The compressive strength of 100 mm cube as compared to 150 mm cube is always * 1 point

Mark only one oval.

- More
- less
- equal
- can't say without testing

22. Gypsum is added in cement for * 1 point

Mark only one oval.

- Controlling setting time
- Color
- strength
- none of these

23. The grade of concrete M 150 means that compressive strength of a 15 cm cube after 28 days, is * 1 point

Mark only one oval.

- 150 kg/cm²
- 1500 kg/cm²
- 200 kg/cm²
- 250 kg/cm²

24. How long will it take for the concrete to achieve 100% of its strength? * 1 point

Mark only one oval.

28 days

7 days

14 days

21 days

25. Separation of coarse aggregates from mortar during transportation, is known * 1 point

Mark only one oval.

Segregation

Bleeding

Creeping

Shrinkage

This content is neither created nor endorsed by Google.

Google Forms

Concrete Day Quiz

exclusively for the students of Civil Engineering Department

The respondent's email (**2021ce0157@svce.ac.in**) was recorded on submission of this form.

Name *

Lomina R

Registration Number *

2127210401009

Email *

2021ce0157@svce.ac.in

Phone Number (WhatsApp) *

8883332381

Quiz

Each question carries 1 mark and there will be no negative marks.

What is the importance of the Standard Consistency Test? *

1 point

- It is used to determine the quality of water
- It is used to determine the quality of aggregates
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1 point

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What is the compaction factor for low degree of workability? *

1 point

- .85
- .78
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- .95

Plastic shrinkage cracking occurs in _____ hours after placing. *

1 point

- 5
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* 1 point

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- Vee-bee test
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The presence of moisture in the sand _____ the volume of the sand *

1 point

- Increases
- Decreases
- Shrink
- Contract

The finer the material, the more will be increasing volume for a given moisture content * 1 point and this phenomenon is known as the _____

- Bulking of sand
- Shrinkage of sand
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28 days, is

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How long will it take for the concrete to achieve 100% of its strength? *

1 point

- 28 days
- 7 days
- 14 days
- 21 days

Separation of coarse aggregates from mortar during transportation, is known *

1 point

- Segregation
- Bleeding
- Creeping
- Shrinkage

This form was created inside of Sri Venkateswara College of Engineering.

Google Forms