

Çankaya University
Mechanical Engineering Department
ME 102 Mechanical Engineering Orientation
HW 1

Q-1 What are the phases of design?

Q-2 What do you understand from “Innovative design” ?

Q-3 Why do we need Patents?

Q-4 Write an essay about the engineering wonder, for the topic assigned to you!!*

Q-5 Write a short biography on the famous engineer assigned to you! **

*,** Assignments are posted on webonline and on the website.

Assay will be about 1-2 A4 pages long, with your OWN sentences. Any copy-paste from internet will be regarded as plagiarism (copy). Short biography will be ½ A4 page.

Engineering wonder

1. Keban Dam and Hydroelectric Power plant
2. Deriner Dam Hydroelectric Power plant
3. Nurek Dam
4. Panama Canal
5. Humber Bridge
6. Golden Gate Bridge
7. Akashi Kaikyō Bridge
8. Eiffel Tower
9. Canals of Amsterdam
10. Great Wall of China
11. Millau Viaduct
12. USS George H.W. Bush (CVN-77)
13. Beijing National Stadium
14. Bailong Elevator
15. Three Gorges Dam
16. Mt. Bolu Tunnel
17. Marmaray
18. 15 Temmuz İstiklal Tunnel
19. ATAK helicopter
20. Port Mann Bridge
21. FFR Grand Stadium
22. Zhuhai-Macao Bridge
23. Şangay Tower
24. Skytree

Famous Engineer

1. Carl Benz
2. Werner von Siemens
3. George Westinghouse
4. Frederick Winslow Taylor
5. Henry Gantt
6. Gustave Eiffel
7. Jack St. Clair Kilby
8. Edith Clarke
9. Ferdinand Porsche
10. Bill Nye
11. Charles Koch
12. Nils Gustaf Dalén
13. George Stephenson
14. Ahmet Lokurlu
15. Mustafa İnan

Section 1

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7	201315050	4	5
8	201415006	12	7
9	201415017	1	11
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11	201415051	5	6
12	201415203	13	12
13	201415208	9	4
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37	201515404	16	13
38	201615002	6	8
39	201615006	13	2
40	201615031	18	14
41	201615035	15	7
42	201615410	7	3
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44	201615417	19	1

Section 2

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41	201615019	15	7
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43	201615057	14	15
44	201615409	19	1
45	201615413	1	6
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