

Subject: **Energy Resources and Utilization**

End-Semester Exam: **Essays (Online Submission)**

Session: 2k9- 6th Semester

Sr. No	Reg. No.	Name	Essay Description
1	2009-UET/ME-1	Maaz Ahmad Siddiqui	Accessibility of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
2	2009-UET/ME-2	Muhammad Zeeshan Bhatti	Accessibility of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
3	2009-UET/ME-3	Hamza Humayun	Availability of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
4	2009-UET/ME-4	Wajahat Ali	Availability of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
5	2009-UET/ME-5	Baqir Muhammad	Acceptability of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
6	2009-UET/ME-6	Muhammad Ghufraan Ullah	Acceptability of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.

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7	2009-UET/ME-7	Moin Ahmed	Reliability in energy services of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
8	2009-UET/ME-8	Muhammad Ismail	Reliability in energy services of modern energy means is one of the primary indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
9	2009-UET/ME-10	Abdullah Sohaib	Accessibility, Availability and Acceptability of modern energy means are the primary indicators of socio-economic development of any country. Briefly explain the priority ranking of these indicators in context of local needs (Pakistan) with references and benchmark at the scale of 1---10 (10 for most important and 1 for least important). Justify your benchmarking with strong arguments.
10	2009-UET/ME-11	Waqas Javed	Reliability in service and low price of modern energy means are the important indicators of socio-economic development of any country. Briefly explain the priority ranking of these indicators in context of local needs (Pakistan) with references and benchmark at the scale of 1---10 (10 for most important and 1 for least important). Justify your benchmarking with strong arguments.
11	2009-UET/ME-12	Muhammad Abdullah Naseer	Improved Air Quality and Health & Safety by modern energy means are the important indicators of socio-economic development of any country. Briefly explain the priority ranking of these indicators in context of local needs (Pakistan) with references and benchmark at the scale of 1---10 (10 for most important and 1 for least important). Justify your benchmarking with strong arguments.
12	2009-UET/ME-14	Shahbaz Khalid	Service Quality, Sustainability and Suitable to modern appliance of modern energy means are the important indicators of socio-economic development of any country. Briefly explain the priority ranking of these indicators in context of local needs (Pakistan) with references and benchmark at the scale of 1---10 (10 for most important and 1 for least important). Justify your benchmarking with strong arguments.
13	2009-UET/ME-15	Kashif Khuda Bakhsh	How we can re-structure of our energy system to meet the needs of the society? Describe the fundamental criteria adopted by other countries in late 1970s. Justify your arguments with international references.

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14	2009-UET/ME-16	Sajid Muneer	Write a note on Indigenous Resource Utilization and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
15	2009-UET/ME-18	Muhammad Yousaf Ali Gilani	Write a note on Decentralization of Energy Systems and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
16	2009-UET/ME-19	Muhammad Asif Mujtaba Khan	Write a note on Renewable Energy Resource Utilization and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
17	2009-UET/ME-20	Samee Ullah	Write a note on Renewable Energy Resource Utilization and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
18	2009-UET/ME-21	Muhammad Junaid	Write a note on Energy Efficiency and conservation and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
19	2009-UET/ME-22	Talha Saad	Write a note on Application of standardization and Energy Labeling for Appliances and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
20	2009-UET/ME-23	Muhammad Khalil	Write a note on Replacement of Inefficient Devices and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
21	2009-UET/ME-24	Raffay Ud Din	Write a note on Deployment of Building Energy Codes and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
22	2009-UET/ME-25	Shahid Imran	Write a note on Infrastructure Development for modern energy supply technologies and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.

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23	2009-UET/ME-26	Muhammad Soban Arshad	Write a note on strategies opted for Transparency and Accountability in local energy system development and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
24	2009-UET/ME-27	Rana Zia ur Rahman	Write a note on Sustainable Village Schemes in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
25	2009-UET/ME-28	Hafiz Muhammad Faizan Munir	Write a note on International Agreements for Importing energy commodities in future by Pakistan and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
26	2009-UET/ME-29	M Nauman Bin Zakir	Write a note on Emission Assessment and Reduction Strategies in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
27	2009-UET/ME-30	Imran Khan	Write a note on Strengthening of Livestock in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
28	2009-UET/ME-31	Sher Asim Khan	Write a note on Cultivation of Biomass in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
29	2009-UET/ME-32	Abdul Hye Bilal	Write a note on Cultivation of Energy Crops in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
30	2009-UET/ME-33	Aqib Sohail	Write a note on Reforestation in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
31	2009-UET/ME-34	Umar Abdul Wajid	Write a note on Setting Goals to achieve Low Energy Intensity in perspective of local energy system and the important steps taken in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.

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32	2009-UET/ME-35	Muhammad Sheraz Ahmed	How we may restructure our energy system to attain the target of 80% energy supplies by Indigenous Resources up to 2020. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
33	2009-UET/ME-36	Asim Murtaza	What should be the Steps and action plan to adopt the Rural Electrification schemes as being opted by Indian Government. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
34	2009-UET/ME-37	Tahir Nawaz Khan	Write down the strategies to achieve the target of minimum 15% inclusion of Renewable Energy Supplies in total energy mix up to 2025. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
35	2009-UET/ME-38	Safdar Nawaz	Write down the note on Technological Diffusion of Energy Efficient Appliances in our urban based society. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
36	2009-UET/ME-39	Syed Majid Naqash	Write down the note on Technological Diffusion of Energy Efficient Appliances in our Rural based society. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
37	2009-UET/ME-40	Imran Khalid	How to phase out the inefficient appliances like refrigerators and air conditioners and setup the target for replacement of new and efficient stock. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
38	2009-UET/ME-41	Muhammad Usman Sajid	How to phase out the inefficient appliances like lighting systems and setup the target for replacement of new and efficient stock. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
39	2009-UET/ME-42	Saamia Zahid	How to phase out the inefficient appliances like cooling systems (Fans and Air Coolers) and setup the target for replacement of new and efficient stock. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.

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40	2009-UET/ME-43	Muhammad Qasim Bashir	How to phase out the inefficient appliances like Water Pumping systems (Residential Side) and setup the target for replacement of new and efficient stock. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
41	2009-UET/ME-44	Roman Ahmad	How to phase out the inefficient appliances like Water Pumping systems (Agriculture Side) and setup the target for replacement of new and efficient stock. Briefly describe the lesson learned from other nations in this regard. You may also refer the roadmap taken by other nations to utilize the resources efficiently. Justify your arguments with international references.
42	2009-UET/ME-45	Muhammad Arslan Hashmi	Write a note on Renewable portfolio and subsidy schemes to promote renewable electricity sources. Justify your arguments with international references.
43	2009-UET/ME-46	Usman Pervaiz Minhas	Write a note on Renewable portfolio standard opted by USA and other developed countries. Justify your arguments with international references.
44	2009-UET/ME-48	Abdul Basit	Write a note on Renewable subsidy schemes opted by Developed countries to promote renewable electricity sources. Justify your arguments with international references.
45	2009-UET/ME-49	Muhammad Rashid Farooq	Write a note on Renewable subsidy schemes opted by Developing countries to promote renewable electricity sources. Justify your arguments with international references.
46	2009-UET/ME-50	Muhammad Arslan	Write a note on General assumptions and drivers of future trends in energy system development. Justify your arguments with international references.
47	2009-UET/ME-51	Muhammad Naveed Akhtar	Write a note on Economic growth as driver of future trends in energy system development. Justify your arguments with international references.
48	2009-UET/ME-52	Muhammad Hashim Akhtar	Write a note on Population projections as driver of future trends in energy system development. Justify your arguments with international references.
49	2009-UET/ME-53	Muhammad Zain ul Abdeen	Write a note on Technological change as driver of future trends in energy system development. Justify your arguments with international references.
50	2009-UET/ME-54	Naeem Sultan	Write a note on Future fuel prices as driver of future trends in energy system development. Justify your arguments with international references.
51	2009-UET/ME-55	Muhammad Wajih ud Din	Write a note on Discounting costs as driver of future trends in energy system development. Justify your arguments with international references.

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52	2009-UET/ME-56	Muhammad Asad Zakria	Write a note on Emission factors as driver of future trends in energy system development. Justify your arguments with international references.
53	2009-UET/ME-57	Zeeshan Ashraf	Write a note on Feed in Tariff for Renewable Technologies opted by European Union and other developed countries. Justify your arguments with international references.
54	2009-UET/ME-58	Muzamil Hussain	How to evaluate the socio-economic-ecological potential to implement the renewable energy technologies. Justify your arguments with international references.
55	2009-UET/ME-59	Muhammad Ishfaq	How to identify the different actors, their role and participation in policy and decision making process in renewable energy sector. Justify your arguments with international references.
56	2009-UET/ME-60	Saad Ayub Jajja	How to develop life cycle assessment for different renewable energy technologies and options in terms of energy recovery, the environmental impacts and economy. Justify your arguments with international references.
57	2009-UET/ME-61	Kamil Shahzad	How to identify the most energy efficient, most cost effective and least polluting technologies option from a system perspective. Justify your arguments with international references.
58	2009-UET/ME-62	Muhammad Junaid Ejaz	What are the different ground realities (e.g. conflicting interests of different actors) important to be considered in finding of the most feasible renewable energy option? Justify your arguments with international references.
59	2009-UET/ME-63	Zahid Sharif	What policies or strategies are necessary to develop or improve to make integrated renewable energy technology system? Justify your arguments with international references.
60	2009-UET/ME-64	Muhammad Rizwan Aslam	What are the technological and economical and environmental possibilities for renewable energy technologies per region type? Justify your arguments with international references.
61	2009-UET/ME-65	Kamran Abbas	Is biogas feasible option in rural sector of Pakistan? Justify your arguments with international references.
62	2009-UET/ME-66	Muhammad Habib-ur-Rehman	Will decentralization policy work for electricity sector in Pakistan? Justify your arguments with international references.
63	2009-UET/ME-67	Muhammad Suliman Anwer	Discuss Learning rates of energy technologies, A Pakistan's perspective. Justify your arguments with international references.
64	2009-UET/ME-68	Hafiz Imran Zafar	Discuss Energy efficiency & conservation potential in residential sector of Pakistan. Justify your arguments with international references.
65	2009-UET/ME-69	Muhammad Mubashir Abbas	Write a note on importance of Geographical position of Pakistan as a Gateway to World Energy Bank.
66	2009-UET/ME-70	Ahsan Ahmad	Discuss the Role of Past Government Policies for energy sector of Pakistan.

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67	2009-UET/ME-71	Talha Saleem	Write a note on Sectoral Energy Consumption in Pakistan.
68	2009-UET/ME-72	Muhammad Zeshan Qasim	Write a note on Energy Generation by Independent Power Plants in Pakistan.
69	2009-UET/ME-73	Wasiq Hanfi	What should be the key parameters to reframe the energy sector of Pakistan. Discuss the lessons learned in global perspective.
70	2009-UET/ME-74	Muhammad Saad Siddique	Write a note on solar technologies used for cooking, water/space heating and their future perspective to reduce the poverty.
71	2009-UET/ME-75	Muhammad Kazim Raza	Discuss the structural changes required in local energy system. Also describe the lessons learned of evolution of energy system by other countries.
72	2009-UET/ME-76	Muhammad Awais	Discuss the energy modeling framework opted by other countries.
73	2009-UET/ME-77	Shahid Ahmed Khan	Write a note on MarKAL/TIMES framework and energy system analysis by using this methodology.
74	2009-UET/ME-78	Hafiz Ali Hassan Butt	Write a note on committed energy supplies from Thar Coal Reserves in future.
75	2009-UET/ME-79	Muhammad Zukhruf Badar	Discuss the political pressures on local energy system.
76	2009-UET/ME-80	Haidar Ali	Write a note on import of energy commodities (Oil) and their future implications on our energy system.
77	2009-UET/ME-81	Waseem Akhtar	Write a note on energy reserves (Natural Gas) by province wise.
78	2009-UET/ME-82	Muhammad Bilal Shah	Write a note on energy reserves (Oil) by province wise.
79	2009-UET/ME-83	Omer Whaeed Khan	Discuss the need of Integrated Energy Planning in perspective of Decentralization of Energy Systems. Justify your arguments with authenticated references.
80	2009-UET/ME-84	Muhammad Umar	Discuss the Clean Development Mechanism and its application on demand side sectors. Justify your arguments with authenticated references.
81	2009-UET/ME-85	Hassan Raza	Discuss the Economic Value of Natural Gas in Pakistan. Also prioritize the demand side sectors accordingly.
82	2009-UET/ME-86	Abdul Rehman	Write a note on importance of Thermal Insulation in hot climate zones of Pakistan. Also describe the lessons learned by other countries.
83	2009-UET/ME-87	Yamin Khan	Write a note on importance of Thermal Insulation in cold climate zones of Pakistan. Also describe the lessons learned by other countries.
84	2009-UET/ME-88	Zohaib Sajjad	Write a note on energy labels and standards for fan industry of Pakistan. Also describe the lessons learned by other countries.
85	2009-UET/ME-89	Abdul Mateen	Discuss the scenario of using Solar Water Heaters in Residential and Commercial Sector of Pakistan. Also describe the lessons learned by other countries.

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86	2009-UET/ME-90	Muhammad Sufyan	Write a note on Energy Efficiency Policy and Market Failures. Justify your arguments with authenticated references.
87	2009-UET/ME-91	Abdullah Aslam Awan	Write a note on The Economics of Energy Efficiency. Justify your arguments with authenticated references.
88	2009-UET/ME-92	Sohaib Inam	Write a note on Energy Efficiency Challenges and Policies. Justify your arguments with authenticated references.
89	2009-UET/ME-93	Muhammad Faisal	Write a note on domestic energy consumption patterns and review the local available literature in Pakistan.
90	2009-UET/ME-94	Muhammad Sajawal	Low price of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
91	2009-UET/ME-95	Abdullah Tahir	Low price of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
92	2009-UET/ME-96	Amir Hussain	The relationship between modern energy availability and health & safety is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
93	2009-UET/ME-97	Muhammad Usman	The relationship between modern energy availability and health & safety is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.

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94	2009-UET/ME-98	Sikander Waqas	Write a note on Evaluation of the key existing energy transformation, transmission, and distribution processes with technological and economical parameters. Justify your arguments with authenticated references.
95	2009-UET/ME-99	Ahmad Mujtaba	Write a note on Assessment of the affects of decentralization shift of energy system. Justify your arguments with authenticated references.
96	2009-UET/ME-100	Rameez Anwar	Write a note on Current Energy Mix of Pakistan. Justify your arguments with authenticated references.
97	2009-UET/ME-101	Muzamal Ahmad Khan	Write a note on energy system designing. Justify your arguments with authenticated references.
98	2009-UET/ME-102	Muhammad Haris Javed	Write a note on energy system planning. Justify your arguments with authenticated references.
99	2009-UET/ME-103	Abdul Basit	Write a note on Social Aspects of energy system. Justify your arguments with authenticated references.
100	2009-UET/ME-104	Usman Ali Akbar	Write a note on Financial Aspects of energy system. Justify your arguments with authenticated references.
101	2009-UET/ME-105	Muhammad Farooq	Write a note on Technological Aspects of energy system. Justify your arguments with authenticated references.
102	2009-UET/ME-106	Muhammad Sajid	Write a note on Environmental Aspects of energy system. Justify your arguments with authenticated references.
103	2009-UET/ME-107	Muhammad Saad Fasih	Write a note on Cultural Aspects of energy system. Justify your arguments with authenticated references.
104	2009-UET/ME-108	Waqar Siddique	Device the future roadmap for local energy system evolution. Justify your arguments with authenticated references.
105	2009-UET/ME-109	Muhammad Atif Niaz	Describe the importance of residential energy audit schemes opted by different countries. Justify your arguments with authenticated references.
106	2009-UET/ME-110	Sarmad Mukhtar	Write a note on The contribution of renewable energy to a sustainable energy system. Justify your arguments with authenticated references.
107	2009-UET/ME-111	Saba Anjum	Describe the importance of energy conservation schemes opted by different countries. Justify your arguments with authenticated references.
108	2009-UET/ME-112	Muhammad Usman	Discuss the Demand Side Management Strategies like Smart Metering, Including Interval Metering for energy consumers. Justify your arguments with authenticated references.
109	2009-UET/ME-113	Zamurrad Arshad	Write a note on Modeling of energy system for developing countries . Justify your arguments with authenticated references.

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110	2009-UET/ME-114	Syed Muhammad Adeel Bukhari	Write a note on Poor Performance of the Power Sector of developing countries . Justify your arguments with authenticated references.
111	2009-UET/ME-115	Shahzil Munullah	Write a note on Transitions from traditional to modern economies. Justify your arguments with authenticated references.
112	2009-UET/ME-116	Muhammad Umar	Write a note on Local Available Biomass technology description and also benchmark the new and modern biomass technologies opted by developed countries. Justify your arguments with authenticated references.
113	2009-UET/ME-117	Muhammad Saad Saleem	Write a note on Local Available Lighting technology description and also benchmark the new and modern lighting technologies opted by developed countries. Justify your arguments with authenticated references.
114	2009-UET/ME-118	Hassan Raza	Write a note on Local Available Cooling technology description and also benchmark the new and modern cooling technologies opted by developed countries. Justify your arguments with authenticated references.
115	2009-UET/ME-119	Salman Qazi	Write a note on Local Available Cooking technology description and also benchmark the new and modern cooking technologies opted by developed countries. Justify your arguments with authenticated references.
116	2009-UET/ME-120	Muhammad Arshad Khan	What should be the conventional and renewable energy supply preferences in future for Pakistan. Justify your arguments with authenticated references.
117	2009-UET/ME-121	Adnan Shaukat	How to access the energy demand projection in long term planning horizon? Justify your arguments with authenticated references.
118	2009-UET/ME-122	Adnan Ahmed Siddique	What will be the major affect of decentralization shift of energy system? Justify your arguments with authenticated references.
119	2009-UET/ME-123	Muhammad Zafar Hassan	How can we prioritize fuel shares for the sustained equilibrium in supply-demand model? Justify your arguments with authenticated references.
120	2009-UET/ME-124	Osman Asif Qureshi	Is there any affordable provision of clean energy ladder for rural sector? Justify your arguments with authenticated references.
121	2009-UET/ME-125	Muttey ur Rehman	What are the key strategies for energy efficiency & conservation in residential sector? Justify your arguments with authenticated references.

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122	2009-UET/ME-126	Ahmad Ismail	Do we need to promote appliance standardization and energy labeling schemes? Justify your arguments with authenticated references.
123	2009-UET/ME-127	Muhammad Ali Raza	What will be the case of economic substitution of existing end-use devices and technology switching options? Justify your arguments with authenticated references.
124	2009-UET/ME-129	Muhammad Rashad	Write a note on Categorization of customers with respect to price sensitivity and identification of energy usage control strategies. Justify your arguments with authenticated references.
125	2009-UET/ME-130	M Hassan Zafar	Write a note on Assessment of the affects of scheduled driven in advance by customers(Consumer Driven Approach). In its response, pricing of energy use should be intimated by utility in advance. Justify your arguments with authenticated references.
126	2009-UET/ME-131	Muhammad Waqas Yousaf	Write a note on Optimization (LP) & Multi-objective problem solving techniques and their application with the integration of Marginal Cost (MC) on supply side. Justify your arguments with authenticated references.
127	2009-UET/ME-132	Muhammad Hasan Iqbal	Write a note on Identification of the energy efficiency & conservation techniques and its potential benefits in residential sector. Justify your arguments with authenticated references.
128	2009-UET/ME-133	Kamran Sattar	Write a note on Recommendation for the potential energy policies for Pakistan's economy and environmentally secure future. Justify your arguments with authenticated references.
129	2009-UET/ME-134	Hafiz Sohaib Muhammad	Write a note on Proposal for the helpful strategies and sound conservation policies for sustainable development and utilization of renewable energy resources . Justify your arguments with authenticated references.
130	2009-UET/ME-135	Touqeer Khalid	The relationship between modern energy availability and Improved Air Quality is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
131	2009-UET/ME-137	Muhammad Kaleem Akhtar	The relationship between modern energy availability and Improved Air Quality is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.

Subject: **Energy Resources and Utilization**

End-Semester Exam: **Essays (Online Submission)**

Session: 2k9- 6th Semester

Sr. No	Reg. No.	Name	Essay Description
132	2009-UET/ME-138	Abdullah Naveed	The service quality of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
133	2009-UET/ME-139	Mairaj Maqsood	The service quality of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
134	2009-UET/ME-140	Muhammad Atif	Sustainability of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
135	2009-UET/ME-141	Muhammad Sabir Khan	Sustainability of modern energy means is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
136	2009-UET/ME-142	Huma Majeed	Energy Service for suitability to modern energy appliances is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially India, Malaysia, China. Justify your benchmarking with strong arguments.
137	2009-UET/ME-143	Bilal Rashid Umrani	Energy Service for suitability to modern energy appliances is one of the important indicator of socio-economic development of any country. Briefly explain with references and benchmark at the scale of 1---5 (1 for Bad, 2 for Avg. 3 for Good, 4 for Very Good, 5 for Excellent) the current situation of Pakistan with other countries especially European Union, OPEC,USA. Justify your benchmarking with strong arguments.
138	2009-UET/ME-144	Rustam Khalil	Write a note on issues of energy import from Iran and potential barriers.

Subject: **Energy Resources and Utilization**

End-Semester Exam: **Essays (Online Submission)**

Session: 2k9- 6th Semester

Sr. No	Reg. No.	Name	Essay Description
139	2009-UET/ME-145	Latif Elahi	Write a note on Quantification of the Energy conservation scenarios in Pakistan. Also discuss the Lesson learned from other countries.
140	2009-UET/ME-146	Ehsan-Ullah	How may we protect our energy installations from terrorist activities?
141	2009-UET/ME-147	Javed Ahmed Butt	Write a note on Quantification of the Sensitivity Analysis for energy efficiency in supply side in Pakistan. Also discuss the Lesson learned from other countries.
142	2009-UET/ME-148	Najeeb Ullah	Discuss the parameters of peaceful environment needed for extraction of energy resources.
143	2008-UET/ME-86	Haseeb Akhtar	Write a note on Quantification of the Biogas and solar as an energy resource option in Pakistan. Also discuss the Lesson learned from other countries.
144	2007-UET/ME-112	Touqeer Ahmad	Write a note on Quantification of the Energy efficient appliances regarding the standardization and labeling in Pakistan. Also discuss the Lesson learned from other countries.