

## Subject Name & Code:

### ENGLISH FOR TECHNICAL COMMUNICATION- BE02R00021

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#### PBL Assignment 10:

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**Q.1: Write 30 engineering words of your discipline; phonetically transcribe them, and record yourself reading them aloud.**

[30 words from discipline (Electrical Engineering)]

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#### Electrical Engineering Words (30 Total):

1. **Circuit**  
Phonetic: /'sɜ:.kɪt/
2. **Resistor**  
Phonetic: /rɪ'zɪs.tər/
3. **Capacitor**  
Phonetic: /kə'pæs.ɪ.tər/
4. **Inductor**  
Phonetic: /ɪn'dʌk.tər/
5. **Transformer**  
Phonetic: /træns'fɔ:.mər/
6. **Transistor**  
Phonetic: /træn'zɪs.tər/
7. **Diode**  
Phonetic: /'daɪ.ɒd/
8. **Semiconductor**  
Phonetic: /,sem.i.kən'dʌk.tər/
9. **Insulator**  
Phonetic: /'ɪn.sjə.leɪ.tər/
10. **Conductor**  
Phonetic: /kən'dʌk.tər/
11. **Amplifier**  
Phonetic: /'æm.plɪ.fai.ər/
12. **Oscillator**  
Phonetic: /'ɒs.ɪ.leɪ.tər/
13. **Microcontroller**  
Phonetic: /'maɪ.kroʊ.kən'troʊ.lər/
14. **Microprocessor**  
Phonetic: /,maɪ.kroʊ'prɔ:.ses.ər/

15. **Algorithm**  
Phonetic: /'æɪ.lɡə.rɪ.ðəm/
16. **Impedance**  
Phonetic: /ɪm'pi:.dəns/
17. **Admittance**  
Phonetic: /əd'mɪt.əns/
18. **Reactance**  
Phonetic: /rɪ'æk.təns/
19. **Synchronization**  
Phonetic: /,sɪŋ.krə.naɪ'zeɪ.ʃən/
20. **Rectifier**  
Phonetic: /'rek.tɪ.faɪ.ər/
21. **Inverter**  
Phonetic: /ɪn'vɜ:.tər/
22. **Converter**  
Phonetic: /kən'vɜ:.tər/
23. **Actuator**  
Phonetic: /'æk.tʃu.eɪ.tər/
24. **Sensor**  
Phonetic: /'sen.sər/
25. **Multimeter**  
Phonetic: /'mʌl.tɪ.mi:.tər/
26. **Oscilloscope**  
Phonetic: /ə'sɪl.ə.skəʊp/
27. **Spectrum**  
Phonetic: /'spek.trəm/
28. **Bandwidth**  
Phonetic: /'bænd.wɪðθ/
29. **Modulation**  
Phonetic: /,mɒd.jə'leɪ.ʃən/
30. **Demodulation**  
Phonetic: /,di:.mɒd.jə'leɪ.ʃən/

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*(Phonetic symbols are based on the International Phonetic Alphabet - IPA)*

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**Q.1: Write 30 engineering words of your discipline; phonetically transcribe them, and record yourself reading them aloud.**

**[30 words from discipline (Mechanical Engineering)]**

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**Mechanical Engineering Words (30 Total):**

1. **Kinematics**  
Phonetic: /ˌkɪn.ɪˈmæt.ɪks/
2. **Dynamics**  
Phonetic: /daɪˈnæm.ɪks/
3. **Statics**  
Phonetic: /ˈstæt.ɪks/
4. **Thermodynamics**  
Phonetic: /ˌθɜː.moʊ.daɪˈnæm.ɪks/
5. **Fluid Mechanics**  
Phonetic: /ˈfluː.ɪd miˈkæn.ɪks/
6. **Hydraulics**  
Phonetic: /haɪˈdrɒl.ɪks/
7. **Pneumatics**  
Phonetic: /njuːˈmæt.ɪks/
8. **Mechanism**  
Phonetic: /ˈmek.ə.nɪ.zəm/
9. **Actuator**  
Phonetic: /ˈæk.tʃu.eɪ.tər/
10. **Turbine**  
Phonetic: /ˈtɜː.bam/
11. **Compressor**  
Phonetic: /kəmˈpres.ər/
12. **Combustion**  
Phonetic: /kəmˈbʌs.tʃən/
13. **Torsion**  
Phonetic: /ˈtɔː.ʃən/
14. **Bending**  
Phonetic: /ˈbend.ɪŋ/
15. **Shear**  
Phonetic: /ʃɪər/
16. **Fatigue**  
Phonetic: /fəˈtiːg/
17. **Creep**  
Phonetic: /kriːp/
18. **Fracture**  
Phonetic: /ˈfræk.tʃər/

19. **Tolerance**  
Phonetic: /'tɒl.ər.əns/
  20. **Gear**  
Phonetic: /gɪər/
  21. **Bearing**  
Phonetic: /'beərɪŋ/
  22. **Shaft**  
Phonetic: /ʃɑ:ft/
  23. **Cam**  
Phonetic: /kæm/
  24. **Clutch**  
Phonetic: /klʌtʃ/
  25. **Brake**  
Phonetic: /breɪk/
  26. **Welding**  
Phonetic: /'wel.dɪŋ/
  27. **Forging**  
Phonetic: /'fɔ:..dʒɪŋ/
  28. **Casting**  
Phonetic: /'kɑ:.stɪŋ/
  29. **Machining**  
Phonetic: /mə'ʃɪ:.nɪŋ/
  30. **Prototype**  
Phonetic: /'prəʊ.tə.taɪp/
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**Q.1: Write 30 engineering words of your discipline; phonetically transcribe them, and record yourself reading them aloud.**

**[30 words from discipline (Chemical Engineering)]**

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**Chemical Engineering Words (30 Total):**

1. **Thermodynamics**  
Phonetic: /ˌθɜː.məʊ.dɑɪˈnæm.ɪks/
2. **Kinetics**  
Phonetic: /kɪˈnet.ɪks/
3. **Catalyst**  
Phonetic: /ˈkæt.əl.ɪst/
4. **Reactor**  
Phonetic: /riˈæk.tər/
5. **Distillation**  
Phonetic: /ˌdɪs.tɪˈleɪ.ʃən/
6. **Absorption**  
Phonetic: /əbˈzɔːr.pʃən/
7. **Adsorption**  
Phonetic: /ædˈzɔːr.pʃən/
8. **Filtration**  
Phonetic: /fɪlˈtreɪ.ʃən/
9. **Crystallization**  
Phonetic: /ˌkrɪs.təl.aɪˈzeɪ.ʃən/
10. **Extraction**  
Phonetic: /ɪkˈstræk.ʃən/
11. **Polymerization**  
Phonetic: /pəˌlɪm.ər.aɪˈzeɪ.ʃən/
12. **Fermentation**  
Phonetic: /ˌfɜː.menˈteɪ.ʃən/
13. **Fluidization**  
Phonetic: /ˌfluː.ɪ.dɑɪˈzeɪ.ʃən/
14. **Evaporation**  
Phonetic: /ɪˌvæp.əˈreɪ.ʃən/
15. **Condensation**  
Phonetic: /ˌkɒn.denˈseɪ.ʃən/
16. **Viscosity**  
Phonetic: /vɪˈskɒs.ɪ.ti/
17. **Diffusivity**  
Phonetic: /ˌdɪf.juːˈsɪv.ɪ.ti/
18. **Conductivity**  
Phonetic: /ˌkɒn.dʌkˈtɪv.ɪ.ti/

19. **Stoichiometry**  
Phonetic: /,stɔɪ.ki'ɒm.i.tri/
  20. **Yield**  
Phonetic: /ji:ld/
  21. **Selectivity**  
Phonetic: /sɪ,lek'tɪv.i.ti/
  22. **Conversion**  
Phonetic: /kən'vɜ:.ʃən/
  23. **Fractionation**  
Phonetic: /,fræk.ʃə'nei.ʃən/
  24. **Hydrocarbon**  
Phonetic: /'haɪ.drəʊ,kɑ:.bən/
  25. **Monomer**  
Phonetic: /'mɒn.ə.mər/
  26. **Polymer**  
Phonetic: /'pɒl.i.mər/
  27. **Bioreactor**  
Phonetic: /'baɪ.oo.ri,æk.tər/
  28. **Nanotechnology**  
Phonetic: /,næn.əʊ.tek'nɒl.ə.dʒi/
  29. **Rheology**  
Phonetic: /ri'ɒl.ə.dʒi/
  30. **Process Intensification**  
Phonetic: /'prəʊ.ses ɪn,ten.sɪ.fi'keɪ.ʃən/
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**Q.1: Write 30 engineering words of your discipline; phonetically transcribe them, and record yourself reading them aloud.**

**[30 words from discipline (Civil Engineering)]**

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**Civil Engineering Words (30 Total):**

1. **Structure**  
Phonetic: /'strʌk.tʃər/
2. **Beam**  
Phonetic: /bi:m/
3. **Column**  
Phonetic: /'kɒl.əm/
4. **Foundation**  
Phonetic: /faʊn'deɪ.ʃən/
5. **Retaining Wall**  
Phonetic: /rɪ'teɪ.nɪŋ wɔ:l/
6. **Load**  
Phonetic: /ləʊd/
7. **Stress**  
Phonetic: /stres/
8. **Strain**  
Phonetic: /streɪn/
9. **Shear**  
Phonetic: /ʃɪər/
10. **Bending Moment**  
Phonetic: /'bend.ɪŋ 'moʊ.mənt/
11. **Deflection**  
Phonetic: /dɪ'flek.ʃən/
12. **Reinforcement**  
Phonetic: /,ri:.ɪn'fɔ:s.mənt/
13. **Concrete**  
Phonetic: /'kɒŋ.kri:t/
14. **Asphalt**  
Phonetic: /'æs.fɒlt/
15. **Steel**  
Phonetic: /sti:l/
16. **Aggregate**  
Phonetic: /'æɡ.rɪ.ɡət/
17. **Geotechnics**  
Phonetic: /,dʒi:.oʊ'tek.nɪks/
18. **Soil Mechanics**  
Phonetic: /sɔɪl mɪ'kæn.ɪks/

19. **Excavation**  
Phonetic: /,ek.skə'veɪ.fən/
20. **Surveying**  
Phonetic: /sə'veɪ.ɪŋ/
21. **Topography**  
Phonetic: /tə'pɒɡ.rə.fi/
22. **Hydrology**  
Phonetic: /hɑr'drɒl.ə.dʒi/
23. **Hydraulics**  
Phonetic: /hɑr'drɒl.ɪks/
24. **Wastewater**  
Phonetic: /'weɪst,wɔ:.tər/
25. **Environmental Impact Assessment**  
Phonetic: /ɪn,vaɪ.rən'men.təl 'ɪm.pækt ə'ses.mənt/
26. **Pavement**  
Phonetic: /'peɪv.mənt/
27. **Traffic Engineering**  
Phonetic: /'træf.ɪk ,en.dʒɪ'nɪər.ɪŋ/
28. **Bridge**  
Phonetic: /brɪdʒ/
29. **Tunnel**  
Phonetic: /'tʌn.əl/
30. **Construction Management**  
Phonetic: /kən'strʌk.fən 'mæn.ɪdʒ.mənt/