TECHNICAL ENGLISH ASSIGNMENT QUESTIONS

1. Write a set of eight Instructions to improve fluency in English.
2. Write a set of eight Instructions to keep your vehicle in good condition.
3. Write a set of eight Instructions for your friend who is planning to stay in his college hostel.
4. Write a set of eight Instructions that are to be followed by students in college library.
5. Write a set of eight Instructions to be followed to maintain laptops in good condition.
6. Write a set of eight Instructions that could be followed by students to the examination hall.
7. Write a set of eight Instructions for operating the ticket vending machine at a railway station.
8. Write a set of eight Instructions for using your cell phone safely.
9. Write a set of eight Instructions for safety while using welding equipment.
10. Write a set of eight Instructions that could be followed to reduce pollution.
11. Write a set of eight Instructions that must be followed as safety measures in a chlorine plant.
12. Write a set of eight Instructions that must be followed in a chemical engineering lab.
13. As the Maintenance Engineer of Software Company, give a set of eight instructions that are to be followed by the lab assistants while handling sophisticated equipment.
14. Write a job application letter to the following advertisement published in the "The Hindu" for the post of Deputy Manager, Design and Development, with resume to the personnel Manager, Lucas-TVS, Hosur, India.
15. Write a letter to the HRD Manager of Karur Vysya Bank, Anna Salai, Chennai-600 017, applying for the post of System Manager. Add a separate resume to your covering letter.
16. Write a set of eight Instructions to make your city clean and green.
17. Write a set of eight Instructions advising your younger sister on how to prepare for her Board exams.
18. Write a set of eight Instructions on road safety.

19. Write a set of eight Instructions to maintain a computer in good condition.
20. Write a set of eight Instructions to save petrol.
21. Write a set of eight recommendations to keep your country peaceful from war.
22. Write a set of eight recommendations that should be followed to preserve our water resources.
23. Write a set of eight recommendations for the proper maintenance of two-wheelers.
24. Write a set of eight recommendations to keep the city free of air pollution.
25. Write a set of eight recommendations for safety measures in nuclear power plants.
26. Write a set of eight recommendations for safety measures in a chlorine plant.
27. Write a set of eight recommendations to a group of students from Europe who have come to spend their one month's vacation in India.
28. Write a set of eight recommendations for water storage in your home.
29. Write a set of eight recommendations for traffic congestion in your area.
30. Write a set of eight recommendations for global warming.
31. Write a set of eight recommendations to control air pollution.
32. Write a set of eight recommendations to control noise pollution.
33. Write a set of eight recommendations to stop corruption.
34. Write a set of eight recommendations to stop malpractice in Examinations.
35. Write a set of eight recommendations to avoid accidents on highways.
36. Write a set of eight recommendations to control unemployment.
37. Write a set of eight recommendations for avoiding fire accidents in public meetings.
38. Write a set of eight recommendations for maintaining a four wheeler.
39. Write a set of eight recommendations for growing a garden.
40. Write a letter of application for the post of Junior Engineer with resume to the HRD Manager, Doshi Constructions Pvt. Ltd., 14, Greams Road, Chennai – 600 002.
41. Write a set of eight recommendations that should be followed by the public to make the green environment.

42. Write a set of eight recommendations that should be followed at the time of natural disaster.

43. Write a set of eight recommendations to enhance the communication skills of the students.

44. Write a set of eight recommendations to stay away from the spreader disease like malaria.

45. Write a set of eight Instructions that are to be followed by all pedestrians.

46. What instructions would you give your tourist friend from the USA, to make his trip to Chennai, a pleasant one? Give a list of eight of eight important instructions pertaining to food, stay, travel, etc.

47. Write a set of eight recommendations to control water pollution in Chennai.

48. Write a set of eight recommendations for water storage in your home.

49. Write a set of eight recommendations for traffic congestion in your area.

50. Write a set of eight recommendations for global warming.

51. Write a set of eight recommendations to control air pollution.

52. Write a set of eight Instructions for operating the ticket vending machine at a railway station.

53. Write a set of eight Instructions for using your cell phone safely.

54. Write a set of eight Instructions for safety while using welding equipment.

55. Write a set of eight Instructions that could be followed to reduce pollution.

56. Write a set of eight Instructions to keep your vehicle in good condition.

57. Write a set of eight Instructions for your friend who is planning to stay in his college hostel.

58. Write a set of eight Instructions that are to be followed by students in college library.

59. Write a set of eight Instructions that could be followed to reduce pollution.

60. Write a set of eight Instructions on road safety.

ENGINEERING MATHEMATICS-II ASSIGNMENT QUESTIONS

1. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & -2 & 3 \\ 1 & 1 & 1 \\ 1 & 3 & -1 \end{bmatrix}$.	
2. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} -9 & 2 & 6 \\ 5 & 0 & -3 \\ -16 & 4 & 11 \end{bmatrix}$.	
3. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 11 & -4 & -7 \\ 7 & -2 & -5 \\ 10 & -4 & -6 \end{bmatrix}$.	
4. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & 2 & -7 \\ 2 & 1 & 2 \\ 0 & 1 & -3 \end{bmatrix}$.	
5. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & 2 & 1 \\ 1 & 3 & 1 \\ 1 & 2 & 2 \end{bmatrix}$.	
6. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & -2 & 2 \\ 1 & 1 & 1 \\ 1 & 3 & -1 \end{bmatrix}$.	
7. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & 0 & 1 \\ 0 & 2 & 0 \\ 1 & 0 & 2 \end{bmatrix}$.	
8. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 1 & 1 & 3 \\ 1 & 5 & 1 \\ 3 & 1 & 1 \end{bmatrix}$.	
9. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 2 & 0 & 1 \\ 0 & 3 & 0 \\ 1 & 0 & 2 \end{bmatrix}$.	
10. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 6 & -2 & 2 \\ -2 & 3 & -1 \\ 2 & -1 & 3 \end{bmatrix}$.	
11. Find the Eigenvalues and Eigenvectors of $\begin{bmatrix} 3 & -1 & 1 \\ -1 & 5 & -1 \\ 1 & -1 & 3 \end{bmatrix}$.	
12. Verify Cayley – Hamilton Theorem and find its inverse of the following matrix $\begin{bmatrix} 4 & 3 & 1 \\ 2 & 1 & -2 \\ 1 & 2 & 1 \end{bmatrix}$.	
13. Verify Cayley – Hamilton Theorem and find its inverse of the following matrix $\begin{bmatrix} 1 & 3 & 7 \\ 4 & 2 & 3 \\ 1 & 2 & 1 \end{bmatrix}$.	
14. Verify Cayley – Hamilton Theorem and find its inverse of the following matrix $\begin{bmatrix} 3 & 1 & 1 \\ -1 & 5 & -1 \\ 1 & -1 & 3 \end{bmatrix}$.	
15. Verify Cayley – Hamilton Theorem and find its inverse of the following matrix $\begin{bmatrix} 7 & 2 & -2 \\ -6 & -1 & 2 \\ 6 & 2 & -1 \end{bmatrix}$.	

16. Verify Cayley – Hamilton Theorem and find its inverse of the following matrix $\begin{bmatrix} 1 & 0 & -2 \\ 2 & 2 & 4 \\ 0 & 0 & 2 \end{bmatrix}$.

17. If $A = \begin{bmatrix} 1 & 2 & 2 \\ 2 & 1 & 2 \\ 2 & 2 & 1 \end{bmatrix}$, then prove that $A^3 - 3A^2 - 9A - 5I = 0$. Hence, find A^4.

18. Given that $A = \begin{bmatrix} 1 & 2 & 1 \\ 0 & 1 & -1 \\ 3 & -1 & 1 \end{bmatrix}$, Express $A^6 - 5A^5 + 8A^4 - 2A^3 - 9A^2 + 35A + 6I$ as a linear polynomial in A, using Cayley Hamilton Theorem.

19. Obtain the matrix $A^6 - 25A^2 + 122A$ where $A = \begin{bmatrix} 0 & 0 & 2 \\ 2 & 1 & 0 \\ -1 & -1 & 3 \end{bmatrix}$.

20. Given that $A = \begin{bmatrix} 1 & 0 & 3 \\ 2 & 1 & -1 \\ 1 & -1 & 1 \end{bmatrix}$, compute the value of $A^6 - 5A^5 + 8A^4 - 2A^3 - 9A^2 + 351A - 36I$, using Cayley Hamilton Theorem.

21. Diagonalise the following matrix by suitable transformations $A = \begin{bmatrix} 7 & -2 & 0 \\ -2 & 6 & -2 \\ 0 & -2 & 5 \end{bmatrix}$, Also find A^4.

22. Diagonalise the following matrix by suitable transformations $A = \begin{bmatrix} 11 & -4 & -7 \\ 7 & -2 & -5 \\ 10 & -4 & -6 \end{bmatrix}$, Also find A^5.

23. Reduce the quadratic form $8x_1^2 + 7x_2^2 + 3x_3^2 - 12x_1x_2 - 8x_2x_3 + 4x_3x_1$ to the canonical form through an orthogonal transformation and hence, show that it is positive semi-definite.

24. Reduce the quadratic form $x_1^2 + 5x_2^2 + x_3^2 + 2x_1x_2 + 2x_2x_3 + 6x_3x_1$ to the canonical form through an orthogonal transformation.

25. Write down the quadratic form, whose associated matrix is $\begin{bmatrix} 3 & 1 & 1 \\ 1 & 0 & 2 \\ 1 & 2 & 0 \end{bmatrix}$ and reduce it to its canonical form.

26. Reduce the quadratic form $10x_1^2 + 2x_2^2 + 5x_3^2 - 4x_1x_2 + 6x_2x_3 - 10x_3x_1$ to the canonical form by orthogonal reduction. Find a set of values of x_1, x_2, x_3 which will make the form vanish.

27. Reduce the quadratic form $2x_1^2 + 6x_2^2 + 2x_3^2 + 8x_1x_3$ to the canonical form by orthogonal reduction. Find also the nature of the quadratic form.

28. Reduce the quadratic form $2x_1^2 + 5x_2^2 + 3x_3^2 + 4x_1x_2$ to the canonical form by orthogonal transformation. Also find the rank, index and signature of the quadratic form.

29. Reduce the quadratic form $3x_1^2 - 3x_2^2 - 5x_3^2 - 2x_1x_2 - 6x_2x_3 - 6x_3x_1$ to the canonical form by orthogonal transformation. Also find the rank, index and signature of the quadratic form.

30. Obtain an orthogonal transformation which will transform the quadratic form $2x_1^2 + 2x_2^2 + 2x_3^2 - 2x_1x_2 - 2x_2x_3 + 2x_3x_1$ into sum of squares form and find also the reduced form.

31. When $\phi = x^3 + y^3 + z^3 - 3xyz$, find $\nabla\phi, \nabla.\nabla\phi$ and $\nabla \times \nabla \phi$ at $(1, 2, 3)$.

32. Find $\nabla \cdot \vec{F}$ and $\nabla \times \vec{F}$ of the vector point function $\vec{F} = xz^3 \vec{i} - 2x^2 yz \vec{j} + 2 yz^4 \vec{k}$ at $(1, -1, 1)$.

33. Show that the vector $\vec{F} = (2xy - z^2)\vec{i} - (x^2 + 2yz)\vec{j} + (y^2 - 2zx)\vec{k}$ is irrotational and find its scalar potential.

34. Show that the vector $\vec{F} = (3x^2 + 2y^2 + 1)\vec{i} + (4xy - 3y^2 z - 3)\vec{j} + (2 - y^3)\vec{k}$ is irrotational and find its scalar potential.

35. Show that the vector $\vec{F} = (y^2 + 2xy^2)\vec{i} + (2xy - z)\vec{j} + (2x^2 z - y + 2z)\vec{k}$ is irrotational and find its scalar potential.

36. Show that $\vec{F} = (y^2 - z^2 + 3yz - 2x)\vec{i} + (3xz + 2xy)\vec{j} + (3xy - 2xz + 2z)\vec{k}$ is both solenoidal and irrotational.

37. Evaluate $\iint_S \vec{f} \cdot \hat{n}\, dS$, where $\vec{f} = (x + y^2)\vec{i} - 2x \vec{j} + 2 yz \vec{k}$ and S is the surface of the plane $2x + y + 2z = 6$ in the first octant.

38. Evaluate $\iiint_V \nabla \cdot \vec{F}\, dV$, where $\vec{F} = (2x^2 - 3z)\vec{i} - 2y \vec{j} - 4xz \vec{k}$ and V is bounded by the planes

$x = 0, y = 0, z = 0$ and $2x + 2y + z = 4$.

39. Verify Green's theorem in the plane for $\int_C \left[(x^2 - xy^3)dx + (y^2 - 2xy)dy\right]$, where C is the square with vertices (0,0),(2,0),(2,2) and (0,2).

40. Evaluate by Green's theorem in the plane $\int_C \left[(x^2 - \cosh y)dx + (y + \sin x)dy\right]$, where C is the rectangle with Vertices $(0,0),(\pi,0),(\pi,1)$ and (0,1).

41. Verify the divergence theorem for the function $\vec{A} = x^2 \vec{i} + z \vec{j} + yz \vec{k}$ over the cube $x = \pm 1, y = \pm 1, z = \pm 1$.

42. Verify the divergence theorem for the function $\vec{F} = 4xz \vec{i} - y^2 \vec{j} + yz \vec{k}$ over the cube $x = 0, x = 1, y = 0, y = 1, z = 0, z = 1$.

43. Verify the divergence theorem for the function $\vec{F} = (2x - z)\vec{i} + x^2 y \vec{j} - xz^2 \vec{k}$ over the cube $x = 0, x = 1, y = 0, y = 1, z = 0, z = 1$.

44. Verify the divergence theorem for the function $\vec{F} = xy^2 \vec{i} + yz^2 \vec{j} + - zx^2 \vec{k}$ over the cube $x = 0, x = 1, y = 0, y = 2, z = 0, z = 3$.

45. Verify Stoke's theorem $\vec{A} = (2x - y)\vec{i} - yz^2 \vec{j} - y^2 z \vec{k}$, where S is the upper half of the sphere $x^2 + y^2 + z^2 = 1$ and C is its boundary in the xy plane

46. Evaluate $\iiint \nabla.\vec{F}\, dV$ where $\vec{F} = 2x^2y\, \vec{\imath} - y^2\, \vec{\jmath} + 4xz^2\, \vec{k}$ and V is the region in the first octant bounded by the cylinder $y^2+z^2 = 9$ and x = 2.

47. Evaluate $\iiint \nabla.\vec{F}\, dV$ where $\vec{F} = x^2\, \vec{\imath} + y^2\, \vec{\jmath} + z^2\, \vec{k}$ and V is the volume enclosed by the cube x = 0, x = 1, y = 0, y = 1, z = 0 and z = 1.

48. Verify Green's theorem for $\int[(x^2 - y^2)dx + 2xy\, dy]$, where C is the boundary of the rectangle in the xoy – plane bounded by the lines x = 0, x = a, y = 0, y = b.

49. Using Green's theorem, evaluate $\int[(2x - y)dx + (x + y)\, dy]$, where C is the boundary of the circle in the xoy – plane.

50. Using Green's theorem, evaluate $\int[(2xy - x^2)dx + (x^2 + y^2)\, dy]$, where C is the closed curve of the region bounded by $y = x^2$ and $y^2 = x$.

51. Verify Gauss divergence theorem for $\vec{F} = x^2\, \vec{\imath} + z\, \vec{\jmath} + yz\, \vec{k}$ taken over the cube bounded by x = 0, x = a, y = 0, y = a, z = 0 and z = a.

52. Verify Gauss divergence theorem for $\vec{F} = 2xy\, \vec{\imath} + yz^2\, \vec{\jmath} + xz\, \vec{k}$ over the parallelopiped bounded by the planes x = 0, y = 0, z = 0, x = 2, y = 1, and z = 3.

53. Verify Gauss divergence theorem for $\vec{F} = 2x^2y\, \vec{\imath} - y^2\, \vec{\jmath} + 4xz^2\, \vec{k}$ over the region in the first octant bounded by $y^2+z^2 = 9$ and x = 2.

54. Verify Stoke's theorem for $\vec{F} = y^2z\, \vec{\imath} + z^2x\, \vec{\jmath} + x^2y\, \vec{k}$, where S is the open surface of the cube formed by the planes x = -a, x = a, y = -a, y = a, z = -a, z = a in which z = a is cut open.

55. Verify Stoke's theorem for $\vec{F} = (x^2-y^2)\, \vec{\imath} + 2xy\, \vec{\jmath} + xyz\, \vec{k}$ over the surface of the box bounded by the planes x = 0, y = 0, x = a, y = b, z = c above the xy-plane.

56. Verify Stoke's theorem for $\vec{F} = xy\, \vec{\imath} - 2yz\, \vec{\jmath} - zx\, \vec{k}$, where S is the open surface of the rectangular parallelepiped formed by the planes x = 0, x = 1, y = 0, y = 2, and z = 3 above the xoy - plane.

57. Verify Stoke's theorem for $\vec{F} = -y\, \vec{\imath} + 2yz\, \vec{\jmath} + y^2\, \vec{k}$, where S is the upper half of the sphere $x^2+y^2+z^2 = a^2$ and C is the circular boundary on the xoy – plane.

58. Using Stoke's theorem, evaluate $\int \vec{F}\, d\vec{r}$, where $\vec{F} = (2x+y-2z)\, \vec{\imath} + (2x-4y+z^2)\, \vec{\jmath} - (x-2y-z^2)\, \vec{k}$ when C is the circle with centre (0, 0, 3) and radius 5 in the plane z = 3.

59. Verify Stoke's theorem for $\vec{F} = (y-z+2)\vec{\imath} + (yz+4)\vec{\jmath} - xz\, \vec{k}$, where S is the open surface of the cube x=0,y=0,z=0,x=2,y=2,z=2 above the xy plane.

60. Verify Stoke's theorem, if $\vec{A} = 2yi\vec{\imath} + 3x\vec{\jmath} - z^2\vec{k}$, where S is the upper half of the sphere $x^2 + y^2 + z^2 = 9$ and C is the circle in z=0.

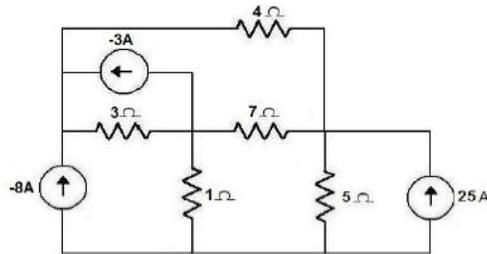# PHYSICS FOR INFORMATION SCIENCE ASSIGNMENT QUESTIONS

1. Conductors-Semiconductors and insulators

2. Energy gap

3. Classification of solids, based on the free electron theory

4. Semiconducting materials.

5. Ohms law verification

6. Resistivity and conductivity of the conuctors

7. Resistivity and conductivity of the insulators

8. Relationship between the conductivity and resistivity

9. Thermal conductivity of conductors, insulators and semiconductors.

10. Calculation of density of materials for different types of materials.

11. Wiedemann franz law experimental verification.

12. Classification of different kind of semiconducting materials with examples

13. Carrier concentration definition and examples

14. Carrier concentration of intrinsic semiconductors.

15. Fermi level-Explain detail.

16. Relation between the Fermiu level and temperature.

17. Transport in semi conductors

18. Impurity concentration-explanation

19. Application of hall effects discuss in detail.

20. Explain ohmic contacts

21. Optoelectronics-introduction

22. Stark effect

23. Non-linear optics description

24. Thin film Physics Explanation.

25. Chemical vapour deposition techniques

26. Explain in detail Ceramics, Clay products.

27. Discuss different types of Crystal growth techniques

28. Refractory ,high temperature Ceramics

29. Magnetic levitation trains

30. Fuel cells, Solar cell , Photovoltaic cell-Discuss with example.

31. Applications of Alumina and Zirconia

32. Biological applications of crystals

33. Summary of crystalgrowth

34. Piezoelectric ceramics-and its Applications.

35. Uses of I-shaped girders.

36. Microstructure of steel and its alloy

37. Phase rule ,tie line rule   Lever rule. -Describe with examples.

38. Quartz crystals.describe its applications

39. Magnetrostriction effect-Explain

40. Double refraction-Phenomen- explain in detail.

41. Solar cell   uses in thin films preparation.

42. Solar cell, Solar water heater.Solar Cooker-Describe.

43. Different types nuclear Reactors.-Discuss

44. Applications of Nano Ceramics.

45. X-ray Production Methods

46. Thermal Power station uses - Discuss

47. Types of pollution explain with examples.

48. Types of oscillators and Amplifires

49. Distinguish between the colour TV and Black &White TV

50. Uses of CRO
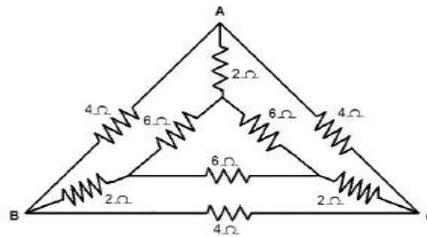
51. Discuss the functioning of Multi meter.

52. what are the uses of optoelectronic devises?

53. Desribe FET MOSFET.BJT

54. Types of semiconducting devices

55. Multi layer capacitors

56. Dielectric ceramics

57. Electro ceramics.

58. Applications of ceramics in Rockets.

59. Thermal conductivity of conductors, insulators and semiconductors.

60. Piezoelectric ceramics

BASIC ELECTRICAL, ELECTRONICS AND MEASUREMENT ENGINEERING
ASSIGNMENT QUESTIONS

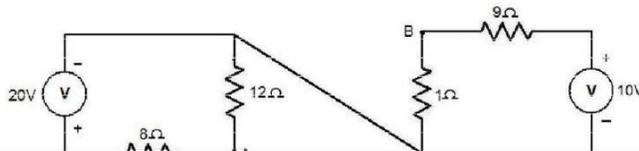| |
|---|
| 1. Find the nodal voltages in the circuit of figure.
 |
| 2. Find the equivalent resistance between B and C.
 |
| 3. Explain in detail about the Millman's Theorem. |
| 4. Derive expressions for star connected arms in terms of delta connected arms and delta connected arms in terms of star connected arms. |
| 5. Determine Thevenin's equivalent across the terminals AB for the circuit shown in figure below.
 |
| 6. Explain the fundamental tie-set matrix |
| 7. Discuss the concept of network synthesis. |
| 8. Elucidate the cooling methods used in transformer in various industries |
| 9. Discuss how to reduce various losses in transformer. |
| 10. Make clear the working of non linear machines with neat diagram. |
| 11. Explain the construction and principle of working of a universal motor and mention its |

applications.

12. Explain the principle of operation and constructional details of linear synchronous motor

13. Explain the details about DC servo motor and mention its applications

14. Discuss the working of universal motor

15. Explain the working of Switched reluctance motor.

16. Convert 2 winding transformer into 3 winding transformer.

17. Enlighten about B-H curve and discuss the practical use of B-H curve

18. Why break test on D.C motor is not preferable and mention the advantage and disadvantage of break test.

19. Explain in detail about the 3 phase transformer.

20. Discuss what happen when we apply D.C supply to Transformer.

21. Discuss if it is possible to use motor as a generator.

22. Explain in detail the calibration of energy meter

23. Explain the working of step-up and step-down transformer

24. What are the methods to eliminate a ground loop.

25. Explain about LED diodes.

26. Discuss the working of LVDT.

27. Energy conservation act 2001 and its features

28. Indian energy scenario

29. Energy needs for growing economy

30. Digitalization of electric locomotives

31. Types of battery used for traction system

32. Solar generation in Tamilnadu- A Statistical approach

33. Gas tungsten and arc welding industry used for automotive industries

34. Electric traction around the world

35. Power Quality and its effects on conservation

36. Generation of electrical power by Geo thermal

37. Explain the CMOS Fabrication with diagram

38. Explain the Integration of Inductors

39. Explain the Voltage Follower application of OP-AMP

40. Discuss the Full Wave Rectifier with neat diagram

41. Discuss the Half Wave Rectifier with neat diagram

42. Explain the Sine wave Generator with equation and neat diagram

43. Discuss the Zero Crossing detectors.

44. Explain the operation of crystal oscillator with neat circuit diagram and write the expression of its frequency of oscillations.

45. Draw the circuit diagram and explain the principle of operation of Colpitts oscillator.

46. Discuss the V/F Converter with equation and diagram

47. Draw a differential amplifier and its ac equivalent circuit. Derive for Ad and Ac.

48. Derive the expression for the voltage gain of CS amplifier.

49. Explain the LC Oscillator with equation and diagram.

50. Arc furnace used in steel and rolling mill

51. Generation of electrical power by tidal.

52. Challenges of Wind power Generation

53. Draw and explain the operation of a Hartley oscillator

54. With a neat diagram, explain the construction and working of RC phase shift oscillator.

55. Explain the Double tuned circuits.

56. Explain the details about DC servo motor and mention its applications

57. Discuss the working of universal motor

58. Explain the fundamental tie-set matrix

59. Discuss the concept of network synthesis.

60. Energy needs for growing economy

ENVIRONMENTAL SCIENCE AND ENGINEERING ASSIGNMENT QUESTIONS

1. Biodiversity of India

2. Ecological pyramid of grassland ecosystem

3. Industrial waste water treatment

4. Open pit mining of coal

5. Nuclear weapon tests

6. Differentiate Trickling & Activated sludge plants.

7. Solid waste disposal-Japan

8. Geothermal energy in India.

9. Catalysis in Green Chemistry and Engineering

10. Air pollution in Bhopal

11. Waste disposal practices in the developed countries

12. Air pollution in Delhi

13. Soil pollution due to tunneling

14. Pollution in Gold mining

15. Modification of carbon surfaces with nitrogen incorporation.

16. Carbon based adsorbents in pollution treatment

17. Mixture of effluents in dying industries in India

18. Incineration Process - Impacts

19. Hydel energy in India

20. Photosynthesis – A view

21. Conservation of Forest resources

22. Earth summit 1992

23. Trans Himalaya as a biogeographic area in nation

24. West coast and east coast as a biogeographic area in nation

25. Nano tech in pollution control

26. Red Data Book
27. World summit 2002
28. Oil spillage
29. Environmental incidents in the fossil fuel industry in India
30. Atom bomb - Impacts
31. Nuclear holocaust case studies
32. Wasteland reclamation on India
33. Discuss lignite coal power
34. E-waste pollution
35. Hydrogen bomb working method
36. Individual role in domestic solid waste treatment
37. Environmental impacts of batteries.
38. Sterlite industry
39. Biomagnification
40. Timber use - House
41. Global warming
42. Ozone layer depletion
43. Endangered species in polar region
44. Green ?House Effect
45. 5 R Principle
46. Impact of using polythene bags
47. Write a note on Kalpakkam atomic power plant
48. Write an assignment on environmental impacts of batteries.
49. Conservation of Food resources
50. Control of human population in India
51. Resource, Recovery and Recycling from Metallurgical Wastes

PROGRAMMING IN C ASSIGNMENT QUESTIONS

1. C program to find subtraction of two integer number.
2. Program to find sum and average of two numbers.
3. C program to print ASCII value of a character.
4. C program to find cube of an integer number using two different methods.
5. C program to find quotient and remainder.
6. Program to calculate simple interest.
7. Program to check whether number is EVEN or ODD.
8. Program to find largest number among three numbers.
9. C program to check whether a person is eligible for voting or not?
10. C program to read marks and print percentage and division.
11. Program to find gross salary of an employee.
12. C program to convert temperature from Fahrenheit to Celsius and vice versa.
13. C program to calculate X^N (X to the power of N) using pow function.
14. C program to find the difference of two numbers.
15. C program to print size of variables using sizeof() operator.
16. C program to demonstrate examples of escape sequences.
17. C program to find area and perimeter of circle.
18. C program to find area of a rectangle.
19. C program to calculate HCF of two numbers.
20. C program to multiply two numbers using plus operator.
21. C program to demonstrate example of global and local scope.
22. C program to demonstrate example of floor and ceil functions.
23. C program to read Formatted Time Once through Scanf in C Language.
24. C program to define, modify and access a global variable.
25. C program to convert feet to inches.
26. C program to print value in Decimal, Octal, Hexadecimal using printf.

27. C program to print ASCII value of entered character.
28. C program to print How Many Inputs are taken from Keyboard using Scanf?
29. C Program to calculate Employee and Employer Provident Fund.
30. C program to set buffer with specific value using memset in C - Example of memset().
31. Write a C program to evaluate the net salary of an employee given the following constraints.
32. How to swap two numbers without using a temporary variable using C program?
33. C program to read name and marital status of a girl and print her name with Miss or Mrs.
34. C program to check given number is divisible by A and B.
35. C program to find sum of all numbers from 0 to N without using loop.
36. Input hexadecimal value in C language.
37. Printing an address of a variable in C.
38. printf() statement within another printf() statement in C.
39. printf() examples/variations in C.
40. Write code to check a String is palindrome or not?
41. C program to print hello world without using semicolon
42. write a c program which produces its own source code as its output
43. To Find Factorial Of A Number Using C Program
44. To Find Fibonacci Series Using C Program
45. C program for solving quadratic equation
46. Write a c program to check given number is strong number or not
47. C program to find given number is prime or not
48. Write a c program to print Pascal triangle
49. Write a c program to check given number is perfect number or not.
50. To swap the address of two variables using pointer
51. Write a c program for swapping of two arrays
52. c program to merge two files
53. C Program for file operations
54. C Program to count number of characters in the file
55. Open a File

56. Read string from a file
57. C program for copies one file contents to another file
58. Show the ticking of Clock
59. To compute the seconds from a given age using C
60. Time functions in c