



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Regg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

5.1.1: Number of students benefitted by scholarships and Freeships provided by the institution Government and Non-Government bodies, industries, individuals, philanthropists during the **Academic year 2019-2020**

INDEX

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5	Freeship students with sanctioned Amount	87	Rs.12,18,500	71-74
6	Freeship to poor and economically backward students.	270	Rs. 57,61,750	75-100
7	Merit scholarship students list with amount	24	Rs.96,000	101-102
Total Students Count :		381	Rs.70,76,250	


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09-03-2018

AVANTHI FREESHIP & MERIT SCHOLARSHIP POLICY

OBJECT

The goal of the scheme is to offer financial assistance to scheduled college students studying in Avanti Institute of engineering and technology to finish their education.

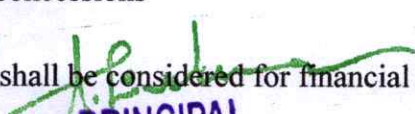
SCOPE

These ships are available for the students and are awarded based on evaluation of test result which is organized by Avanathi educational society. This is relevant to all the students who are presently beneficiaries of the scheme as well as fresh admissions. Merit scholarship scheme is to help meritorious students to finish their B. Tech without monetary burden. Our institution committed to provide freeships to poor and economically backward students. It is applicable to the students who do not have parents or either father or mother has lost their lives they could avail the opportunity. We also offer freeships whose parental annual income less than one lakh. We ensure that this financial support will help the students to reach their goals

STUDENT FREESHIP FRAMEWORK

At Avanathi Institute of Engineering & Technology, we comply with a Unified Student Freeship Framework to ensure that the deserving candidates get the specified financial assistance. The framework is approved under the following conditions:

1. Admissions via freeship could be offered on a first-come, first-served foundation.
2. Admissions through freeships are limited up to 30% of the approved programme intake.
3. Students those who secure University ranks shall be honoured with cash prize and merit certificate
4. Students topped in their subjects/branch of engineering shall be honoured with cash prize and merit certificate.
5. The Students from rural background and economically poor shall be supported to pursue engineering course by providing tuition fee concessions
6. The employees children of the institution shall be considered for financial assistance.


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7. Financial assistance shall be provided to the needy students to take up quality project.
8. Financial assistance shall be provided to the students those are eligible for placements to attend training programs.
9. The freeships offered through AF is applicable for the First Year only. The same scholarship will be continued in the subsequent years of study based on the student performance.
10. After first year, and for the consequent years, the student must attain the attendance percentage >75 in previous academic year and maximum of 3 backlogs only considered to avail free ships further, and they must clear all subjects and should not have more than two backlogs in the previous academic year.
11. Apart from these, special requests for financial support shall be considered with Principal's/Management recommendations on valid reasons.

STUDENT MERIT SCHOLARSHIP FRAMEWORK

The merit scholarship will be provided for all First and Second TOPPERS of the students year wise and branch wise.

1. For 1st TOPPER awarded ----- 5000 /- Rs
2. For 2nd TOPPER awarded----- 3000/- Rs

The Avanathi Freeships and Merit Scholarships policy is adapted on this day the 9th of March 2018 at Avanathi Institute of Engineering and Technology, Gunthapally(Vil), Abdullapurmet (Mdl), RR Reddy 501512. According to the Merit Scholarship policy those who are academic year wise toppers the Avanathi Educational Society give merit Scholarship awards to academic toppers on Anniversary day.


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2019-20 MODEL FREESHIP QUESTION PAPER Total Marks:100 QUESTION PAPER NAME: ENGINEERING Duration:180 Min

NAME OF THE STUDENT: _____ FREESHIP NO: _____

1. The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

- a. (-2, 3)
- b. (1, -3/2)
- c. (-4, 6)
- d. (4, -6)

2. The parametric equation of the parabola $y^2 = 4ax$ is

- a. $x = at; y = 2at$
- b. $x = at^2; y = 2at$
- c. $x = at^2; y = 4at$
- d. $x = at^2; y^2 = at^3$

3. Two lines are said to be parallel if the difference of their slope is

- a. -1
- b. 0
- c. 1
- d. None of these

4. What is the distance of (5, 12) from the origin?

- a. 5 units
- b. 8 units
- c. 12 units
- d. 13 units

5. The largest coefficient in the expansion of $(1+x)^{10}$ is:

- a. $10! / (5!)^2$
- b. $10! / 5!$
- c. $10! / (5! \times 4!)^2$
- d. $10! / (5! \times 4!)$

6. If n is even in the expansion of $(a+b)^n$, the middle term is:

- a. n^{th} term
- b. $(n/2)^{\text{th}}$ term
- c. $[(n/2)-1]^{\text{th}}$ term
- d. $[(n/2)+1]^{\text{th}}$ term

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15. If $f(x) = x^2 + 2$, $x \in \mathbb{R}$, then the range of $f(x)$ is

- (
a) $[2, \infty)$ (c) $(2, \infty)$
b) $(-\infty, 2]$ (d) $(-\infty, 2) \cup (2, \infty)$

16. What will be the domain for which the functions $f(x) = 2x^2 - 1$ and $g(x) = 1 - 3x$ are equal?

- (a) $\{-2, 1\}$ (c) $[2, 12]$
(b) $\{1/2, -2\}$
(d) $\{-2, 1/2\}$

17: Acute angle between the line $(x-5)/2 = (y+1)/-1 = (z+4)/1$ and the plane $3x-4y-z+5 = 0$ is:

- a. $\cos^{-1}(9/\sqrt{364})$ c. $\cos^{-1}(5/2\sqrt{13})$
b. $\sin^{-1}(9/\sqrt{364})$ d. $\sin^{-1}(5/2\sqrt{13})$

18: The distance of the point $(1,2,1)$ from the line $(x-1)/2 = (y-2)/1 = (z-3)/2$ is

- a. $2\sqrt{3}/5$ c. $\sqrt{5}/3$
b. $2\sqrt{5}/3$ d. $20/3$

19. The maximum number of equivalence relations on the set $A = \{1, 2, 3\}$ are

- (a) 1 (c) 3
(b) 2 (d) 5

20. Events A and B are said to be mutually exclusive if:

- A. $P(A \cup B) = P(A) + P(B)$ C. $P(A \cup B) = 0$
B. $P(A \cap B) = P(A) \times P(B)$ D. None of these

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21. What is the probability of getting the number 6 at least once in a regular die if it can roll it 6 times?

A. $1 - (5/6)^6$

C. $(5/6)^6$

B. $1 - (1/6)^6$

D. $(1/6)^6$

22. A bag contains 5 brown and 4 white socks. Ram pulls out two socks. What is the probability that both the socks are of the same colour?

A. 9/20

B. 2/9

C. 3/20

D. 4/9

23. If the variance of the data is 121, the standard deviation of the data is:

(a) 121

(c) 12

(b) 11

(d) 21

24. Relation between mean, median and mode is given by:

(a) Mode = 2 Median – 3 Mean

(c) Mode = 3 Median – 2 Mean

(b) Mode = 2 Median + 3 Mean

(d) Mode = 3 Median + 2 Mean

25. Which of the following is not a statement?

(a) Smoking is injurious to health.

(c) 2 is the only even prime number.

(b) $2 + 2 = 4$

(d) Come here.

26. Which of the following is a statement?

(a) Roses are black.

(c) Be punctual.

(b) Mind your own business.

(d) Do not tell lies.

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27. The derivative of $x^2 \cos x$ is

- (a) $2x \sin x - x^2 \sin x$ (c) $2x \sin x - x^2 \cos x$
(b) $2x \cos x - x^2 \sin x$ (d) $\cos x - x^2 \sin x \cos x$

28. The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

- (a) (-2, 3) (c) (-4, 6)
(b) (1, -3/2) (d) (4, -6)

29. Solution of differential equation $x.dy - y.dx = Q$

- A. a rectangular hyperbola
B. parabola whose vertex is at the origin
C. straight line passing through the origin
D. a circle whose centre is at the origin

30. What is the differential equation of the family of circles touching the y-axis at the origin?

- A. $2xyy' + x^2 = y^2$ C. $2xyy' - x^2 = y^2$
B. $2xyy'' + x' = y^2$ D. $xyy' + x^2 = y^2$

31. The number of arbitrary constants in the particular solution of a differential equation of third order is:

- A. 3 C. 1
B. 2 D. 0

32. Find the degree of the differential equation: $(1 + \frac{dy}{dx})^3 = (\frac{d^2y}{dx^2})^2$

- A. 0 C. 2
B. 1 D. 3

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33. If $\int 2^x dx = f(x) + C$, then $f(x)$ is

- a. 2^x
- b. $2^x \log_e 2$
- c. $2^x / \log_e 2$
- d. $2^{x+1} / x+1$

34. $\int^2 (x^2 + 3) dx$ equals

- a. 24/3
- b. 25/3

- c. 26/3
- d. None of the above

35. The area of a triangle with vertices $(-3, 0)$, $(3, 0)$ and $(0, k)$ is 9 sq. units. The value of k will be

(a) 9

(c) -9

(b) 3

(d) 6

36. If $x \sin(a+y) = \sin y$, then dy/dx is equal to

- a. $[\sin^2(a+y)]/\sin a$
- b. $\sin a / [\sin^2(a+y)]$

- c. $[\sin(a+y)]/\sin a$
- d. $\sin a / [\sin(a+y)]$

37. The function $f(x) = [\ln(1+ax) - \ln(1-bx)]/x$, not defined at $x=0$. The value should be assigned to f at $x=0$, so that it is continuous at $x=0$, is

- a. $a+b$
- b. $a-b$

- c. $b-a$
- d. $\ln a + \ln b$

38. If $y = ax^2 + b$, then dy/dx at $x = 2$ is equal to

- a. $2a$
- b. $3a$

- c. $4a$
- d. None of these

39. The value of c in Rolle's theorem for the function, $f(x) = \sin 2x$ in $[0, \pi/2]$ is

- a. $\pi/4$
- b. $\pi/6$

- c. $\pi/2$
- d. $\pi/3$

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47. The domain of $\sin^{-1}(2x)$ is

(a) $[0, 1]$

(b) $[-1, 1]$

(c) $[-1/2, 1/2]$

(d) $[-2, 2]$

48. $\sqrt{3} \operatorname{cosec} 20^\circ - \sec 20^\circ =$

a. 2

b. 3

c. 4

d. 1

49. If $P(n): 2^n < n!$ then the smallest positive integer for which $P(n)$ is true, is

a. 2

b. 3

c. 4

d. 5

50: XY-plane divides the line joining the points $A(2,3,-5)$ and $B(-1,-2,-3)$ in the ratio

a. 2:1 internally

b. 3:2 externally

c. 5:3 internally

d. 5:3 externally

PHYSICS

51. Uniform circular motion is given by the formula _____

a. $V=u+at$

b. $v^2-u^2=2AS$

c. $V-U=A$

d. none

52. Find the general solution of: ax^2+bx+c

A. $\sin^{-1} y = x + c$

B. $\sin^{-1} y/2 = x + c$

C. $\sin^{-1} y^2 = x + c$

D. None of the above

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A. Prasad
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53. Give an example of motion in two dimensions _____
- Motion along a straight line in any direction
 - Bird flying
 - A flying kite
 - Projectile motion
54. Motion in a plane is called _____
- Motion in one dimension
 - Motion in two dimensions
 - Motion in three dimensions
 - Motion in four dimensions
55. Farad is the unit of _____
- Luminosity
 - Wavelength
 - Permittivity
 - Inertia
56. Dimensions of kinetic energy is the same as that of _____
- Acceleration
 - Velocity
 - Work
 - Force.
57. AU is the unit of _____
- Astronomy Unit
 - Astronomical unit
 - Astrological Unit
 - Archaeological Unit
58. The physical Quantity is
- Mass
 - Time
 - Solid angle
 - Luminosity
59. The symbol to represent "Amount of Substance" is _____
- K
 - A
 - Cd
 - Mol
60. among the following is the Supplementary Unit—
- Mass
 - Time
 - Solid angle
 - Luminosity

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61: A car moving with a velocity of 20 ms^{-1} is stopped in a distance of 40 m. If the same car is travelling at double the velocity, the distance travelled by it for the same retardation is

- | | |
|-------------|--------------|
| 1. a. 640 m | 3. c. 1280 m |
| 2. b. 320 m | 4. d. 160 m |

62. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- | | |
|-------------|-------------|
| a. 121.20 J | c. 227.31 J |
| b. 147.15 J | d. 182.21 J |

63. The angle between velocity and acceleration of a particle describing uniform circular motion is

- | | |
|---------------|----------------|
| a. 45° | c. 90° |
| b. 60° | d. 180° |

64. The value of acceleration due to gravity at a depth of 1600 km is equal to [Radius of earth = 6400 km]

- | | |
|---------------------------|---------------------------|
| a. 9.8 ms^{-2} | c. 4.9 ms^{-2} |
| b. 19.6 ms^{-2} | d. 7.35 ms^{-2} |

65. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- | |
|----------|
| a. True |
| b. False |

66. A body of mass 50 kg, is suspended using a spring balance inside a lift at rest. If the lift starts falling freely, the reading of the spring balance is

- | | |
|------------|------------|
| a. = 50 kg | c. < 50 kg |
| b. > 50 kg | d. = 0 |

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67. What is the power utilised when work of 1000 J is done in 2 seconds?

- a. 100 W
- b. 200 W
- c. 20 W
- d. 500 W

68. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

69. The energy possessed by the body by virtue of its motion is known as?

- a. Chemical energy
- b. Thermal energy
- c. Potential energy
- d. Kinetic energy

70. A motor pump lifts 6 tones of water from a well of depth 25m to the first floor of height 35 m from the ground floor in 20 minutes. The power of the pump (in kW) is [$g = 10 \text{ ms}^{-2}$]

- a. 3
- b. 6
- c. 1.5
- d. 12

71. Which one has higher kinetic energy? Both light and heavy bodies have equal momenta.

- a. Heavy body
- b. Light body
- c. Both
- d. None of the options

72. 'Hydraulic lift' works on the basis of

- a. Stoke's law
- b. Toricelli's law
- c. Pascal's law
- d. Bernoulli's law

73. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
- b. False

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74. Find the power if the work done is 20j per hour

- a. 100 W
- b. 200 W
- c. 20 W
- d. 500 W

75. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

76. When the charged particles move in a combined magnetic and electric field, then the force acting is known as _____.

- a. Centripetal force
- b. Centrifugal force
- c. Lorentz force
- d. Orbital force

77. The S.I. unit of specific heat capacity is

- a. $\text{J mol}^{-1} \text{K}^{-1}$
- b. $\text{J kg}^{-1} \text{K}^{-1}$
- c. J K^{-1}
- d. J kg

78. Magnetic field at any point inside the straight solenoid is given as _____

- a. $\mathbf{B} = \mu_0 n I$
- b. $\mathbf{B} = \mu_0 n + I$
- c. $\mathbf{B} = \mu_0 / n I$
- d. $\mathbf{B} = \mu_0 n I$

79. SI unit of the magnetic field is _____.

- a. Dyne
- b. Ohm
- c. Tesla
- d. Volt

CHEMISTRY

80. Electrons in the atom are held to the nucleus by

- a. Nuclear Force
- b. Coulomb's Force
- c. Gravitational Force
- d. Van Der Waal's Force

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81. The electrons of Rutherford's model would be expected to lose energy because

- a. They jump on the nucleus
- b. They move randomly
- c. Radiate electromagnetic waves
- d. Escape from the atom

82. When two perfect solutions with volume V each are combined, What is the volume of the solution as a result?

- a) V
- b) 2V
- c) Greater than 2V
- d) Less than 2V

83. The heat of solution or mixing has a negative side.

- a) Heat of solution
- b) Heat of dissolution
- c) Heat of reaction
- d) Heat of mixing

84. Which of the following possess net dipole moment?

- 1. a. BF_3
- 2. b. SO_2
- 3. c. CO_2
- 4. d. BeCl_2

85. What effect does temperature have on the half-life of a first-order reaction?

- a) It increases
- b) It decreases
- c) It remains the same
- d) Both increases as well as decrease

86. Only a simple homogeneous reaction requires which of the following methods?

- a) Integration method
- b) Half-life period method
- c) Graphical method
- d) Ostwald's isolation method

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87 In 30 minutes, a first-order reaction is 50% complete. Calculate the amount of time it took to complete 87.5 percent of the reaction.

- a) 30 minutes
- b) 60 minutes
- c) 90 minutes
- d) 120 minutes

88. What happens to the size of atoms in p-block elements when we move from left to right in the same period?

- a) Size does not change
- b) Size increases then decreases
- c) Size increases
- d) Size decreases

89. Which of the following statements concerning transuranium elements is incorrect?

- a) Atomic number > 92
- b) Example is Thorium
- c) Decay radioactively as they are unstable
- d) Elements after Uranium

90. When copper chips are exposed to concentrated nitric acid, which gas is produced?

- a) Nitrogen (III) oxide
- b) Nitrogen (IV) oxide
- c) Nitrogen (I) oxide
- d) Nitrogen (II) oxide

91. The significant figures in 0.00051 are _____.

- (a) 5
- (b) 3
- (c) 2
- (d) 26

92. A pure substance which contains only one type of atom is called _____.

- (a) An element
- (b) a compound
- (c) a solid
- (d) a liquid

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93. The number of σ -bonds and π -bonds present in naphthalene are respectively

- | | |
|-------------|-------------|
| 1. a. 5, 19 | 3. c. 5, 20 |
| 2. b. 6, 19 | 4. d. 5, 11 |

94. The radius of an atomic nucleus is of the order of _____

- | | |
|-------------------|-------------------|
| (a) 10^{-10} cm | (c) 10^{-15} cm |
| (b) 10^{-13} cm | (d) 10^{-8} cm |

95. Which of the following molecules have trigonal planar geometry?

- | | |
|-------------------|--------------------|
| (a) BF_3 | (c) PCl_3 |
| (b) NH_3 | (d) IF |

96. The elements with atomic numbers 9, 17, 35, 53, 85 are all _____

- | | |
|-----------------|-------------------------|
| (a) halogens | (c) alkali earth metals |
| (b) noble gases | (d) transition metals |

97. The number of moles of electron required to reduce 0.2 mole of $\text{Cr}_2\text{O}_7^{2-}$ to Cr^{+3}

- | | |
|--------|--------|
| a. 6 | c. 0.6 |
| b. 1.2 | d. 12 |

98. For an ideal gas, C_V and C_P are related as :

- | | |
|---------------------|----------------------|
| (a) $C_V - C_P = R$ | (c) $C_P - C_V = RT$ |
| (b) $C_V + C_P = R$ | (d) $C_P - C_V = R$ |

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99.If liquids A and B form an ideal solution

- (a) The entropy of mixing is zero
- (b) The free energy of mixing is zero
- (c) The free energy as well as the entropy of mixing
- (d) The free energy mixing is maximum

100 The vitamin that helps in clotting of blood isa. +6 to +4

- (a) C
- (b) A
- (C)K
- (d)B₂

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2019-20 MODEL FREESHIP QUESTION PAPER Total Marks:100

QUESTION PAPER NAME: ENGINEERING Duration:180 Min

NAME OF THE STUDENT: M SIRISAGAR FREESHIP NO: AVI142019083

1.The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

- a. (-2, 3)
b. (1, -3/2)
c. (-4, 6)
d. (4, -6)

2.The parametric equation of the parabola $y^2 = 4ax$ is

- a. $x = at; y = 2at$
b. $x = at^2; y = 2at$
c. $x = at^2; y = 4at$
d. $x = at^2; y^2 = at^3$

3.Two lines are said to be parallel if the difference of their slope is

- a. -1
b. 0
c. 1
d. None of these

4.What is the distance of (5, 12) from the origin?

- a. 5units
b. 8 units
c. 12 units
d. 13 units

5.The largest coefficient in the expansion of $(1+x)^{10}$ is:

- a. $10! / (5!)^2$
b. $10! / 5!$
c. $10! / (5! \times 4!)^2$
d. $10! / (5! \times 4!)$

6.If n is even in the expansion of $(a+b)^n$, the middle term is:

- a. n^{th} term
b. $(n/2)^{\text{th}}$ term
c. $[(n/2)-1]^{\text{th}}$ term
d. $[(n/2)+1]^{\text{th}}$ term

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7. The value of $(126)^{1/3}$ up to three decimal places is

- a. 5.011
b. 5.012
c. ~~5.013~~
d. ~~5.014~~

8. The number of squares that can be formed on a chessboard is

- a. 64
b. 160
c. ~~204~~
d. ~~224~~

9. If ${}^n P_5 = 60 {}^{n-1} P_3$, the value of n is

- a. 6
b. ~~10~~
c. 12
d. 16

10. Number of solutions of the equation $z^2 + |z|^2 = 0$ is

- (a) 1
(b) 2
(c) 3
(d) ~~infinitely many~~

11. If $1 - i$, is a root of the equation $x^2 + ax + b = 0$, where $a, b \in \mathbb{R}$, then the value of $a - b$ is

- (a) -4
(b) 0
(c) ~~2~~
(d) 1

12. For any natural number n, $2^{2n} - 1$ is divisible by

- (a) 2
(b) ~~3~~
(c) 4
(d) 5

13. If $\tan A = 1/2$ and $\tan B = 1/3$, then the value of $A + B$ is

- (a) $\pi/6$
(b) π
(c) 0
(d) ~~$\pi/4$~~

14. If $\sin \theta$ and $\cos \theta$ are the roots of $ax^2 - bx + c = 0$, then the relation between a, b and c will be

- (a) $a^2 + b^2 + 2ac = 0$
(b) ~~$a^2 - b^2 + 2ac = 0$~~
(c) ~~$a^2 + c^2 + 2ab = 0$~~
(d) ~~$a^2 - b^2 - 2ac = 0$~~

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21. What is the probability of getting the number 6 at least once in a regular die if it can roll it 6 times?

- A. $1 - (5/6)^6$
B. $1 - (1/6)^6$
C. $(5/6)^6$
D. $(1/6)^6$

22. A bag contains 5 brown and 4 white socks. Ram pulls out two socks. What is the probability that both the socks are of the same colour?

- A. 9/20
B. 2/9
C. 3/20
D. 4/9

23. If the variance of the data is 121, the standard deviation of the data is:

- (a) 121
(b) 11
(c) 12
(d) 21

24. Relation between mean, median and mode is given by:

- (a) Mode = 2 Median - 3 Mean
(b) Mode = 2 Median + 3 Mean
(c) Mode = 3 Median - 2 Mean
(d) Mode = 3 Median + 2 Mean

25. Which of the following is not a statement?

- (a) Smoking is injurious to health.
(b) $2 + 2 = 4$
(c) 2 is the only even prime number.
(d) Come here.

26. Which of the following is a statement?

- (a) Roses are black.
(b) Mind your own business.
(c) Be punctual.
(d) Do not tell lies.

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27. The derivative of $x^2 \cos x$ is

(a) $2x \sin x - x^2 \sin x$

(b) $2x \sin x - x^2 \cos x$

(b) $2x \cos x - x^2 \sin x$

(d) $\cos x - x^2 \sin x \cos x$

28. The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

(a) $(-2, 3)$

(c) $(-4, 6)$

(b) $(1, -3/2)$

(d) $(4, -6)$

29. Solution of differential equation $x \cdot dy - y \cdot dx = Q$

A. a rectangular hyperbola

B. parabola whose vertex is at the origin

C. straight line passing through the origin

D. a circle whose centre is at the origin

30. What is the differential equation of the family of circles touching the y-axis at the origin?

A. $2xyy' + x^2 = y^2$

C. $2xyy' - x^2 = y^2$

B. $2xyy'' + x' = y^2$

D. $xyy' + x^2 = y^2$

31. The number of arbitrary constants in the particular solution of a differential equation of third order is:

A. 3

C. 1

B. 2

D. 0

32. Find the degree of the differential equation: $(1 + \frac{d^2y}{dx^2})^3 = (\frac{d^2y}{dx^2})^2$

A. 0

C. 2

B. 1

D. 3

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33. If $\int 2^x dx = f(x) + C$, then $f(x)$ is

- a. 2^x
- b. $2^x \log_e 2$
- c. $2^x / \log_e 2$
- d. $2^{x+1} / x+1$

34. $\int^2 (x^2 + 3) dx$ equals

- a. 24/3
- b. 25/3

- c. 26/3
- d. None of the above

35. The area of a triangle with vertices $(-3, 0)$, $(3, 0)$ and $(0, k)$ is 9 sq. units. The value of k will be

- (a) 9
- (b) 3

- (c) -9
- (d) 6

36. If $x \sin(a+y) = \sin y$, then dy/dx is equal to

- a. $[\sin^2(a+y)]/\sin a$
- b. $\sin a / [\sin^2(a+y)]$

- c. $[\sin(a+y)]/\sin a$
- d. $\sin a / [\sin(a+y)]$

37. The function $f(x) = [\ln(1+ax) - \ln(1-bx)]/x$, not defined at $x=0$. The value should be assigned to f at $x=0$, so that it is continuous at $x=0$, is

- a. $a+b$
- b. $a-b$

- c. $b-a$
- d. $\ln a + \ln b$

38. If $y = ax^2 + b$, then dy/dx at $x = 2$ is equal to

- a. $2a$
- b. $3a$

- c. $4a$
- d. None of these

39. The value of c in Rolle's theorem for the function, $f(x) = \sin 2x$ in $[0, \pi/2]$ is

- a. $\pi/4$
- b. $\pi/6$

- c. $\pi/2$
- d. $\pi/3$

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40) If $x=t^2$, $y=t^3$, then $d^2y/dx^2 =$

- a. $3/2$
b. $3/4t$

- c. $3/2t$
d. $3t/2$

41. If A is a square matrix of order 3 and $|A| = 5$, then the value of $|2A'|$ is

- (a) -10
(b) 10

- (c) -40
(d) 40

42. If $[2\text{---}2\text{---}2\text{---}2\text{---}2\text{---}5\text{---}4\text{---}3] = [4-31124]$, then the value of $p + q - r + 2s$ is

- (a) 8
(b) 10

- (c) 4
(d) -8

43. If A and B are two matrices of the order $3 \times m$ and $3 \times n$, respectively, and $m = n$, then the order of matrix $(5A - 2B)$ is

- (a) $m \times 3$
(b) 3×3

- (c) $m \times n$
(d) $3 \times n$

44. The value of the expression $\sin [\cot^{-1} (\cos (\tan^{-1} 1))]$ is

- (a) 0
(b) 1

- (c) $1/\sqrt{3}$
(d) $\sqrt{2/3}$

45. Which of the following is the principal value branch of $\cos^{-1} x$?

- (a) $[-\pi/2, \pi/2]$
(b) $(0, \pi)$

- (c) $[0, \pi]$
(d) $(0, \pi) - \{\pi/2\}$


46. If $\sin^{-1} x + \sin^{-1} y = \pi/2$, then value of $\cos^{-1} x + \cos^{-1} y$ is

- (a) $\pi/2$
(b) π

- (c) 0
(d) $2\pi/3$

Therefore, $\cos^{-1} x + \cos^{-1} y = \pi/2$.

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47. The domain of $\sin^{-1}(2x)$ is

- (a) $[0, 1]$
- (b) $[-1, 1]$

- (c) $[-1/2, 1/2]$
- (d) $[-2, 2]$

48. $\sqrt{3} \operatorname{cosec} 20^\circ - \sec 20^\circ =$

- a. 2
- b. 3

- c. 4
- d. 1

49. If $P(n): 2^n < n!$ then the smallest positive integer for which $P(n)$ is true, is

- a. 2
- b. 3

- c. 4
- d. 5

50: XY-plane divides the line joining the points $A(2,3,-5)$ and $B(-1,-2,-3)$ in the ratio

- a. 2:1 internally
- b. 3:2 externally

- c. 5:3 internally
- d. 5:3 externally

PHYSICS

51. Uniform circular motion is given by the formula _____

a. $V=u+at$

b. $v^2-u^2=2AS$

c. $V=U=A$

d. none

52. Find the general solution of: ax^2+bx+c

A. $\sin^{-1} y = x + c$

B. $\sin^{-1} y/2 = x + c$

C. $\sin^{-1} y^2 = x + c$

D. None of the above

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53. Give an example of motion in two dimensions _____
- a. Motion along a straight line in any direction
 - b. Bird flying
 - c. A flying kite
 - d. Projectile motion
54. Motion in a plane is called _____
- a. Motion in one dimension
 - b. Motion in two dimensions
 - c. Motion in three dimensions
 - d. Motion in four dimensions
55. Farad is the unit of _____
- a. Luminosity
 - b. Wavelength
 - c. Permittivity
 - d. Inertia
56. Dimensions of kinetic energy is the same as that of _____
- a. Acceleration
 - b. Velocity
 - c. Work
 - d. Force.
57. AU is the unit of _____
- a. Astronomy Unit
 - b. Astronomical unit
 - c. Astrological Unit
 - d. Archaeological Unit
58. The physical Quantity is _____
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity
59. The symbol to represent "Amount of Substance" is _____
- a. K
 - b. A
 - c. Cd
 - d. Mol
60. among the following is the Supplementary Unit _____
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity

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61: A car moving with a velocity of 20 ms^{-1} is stopped in a distance of 40 m. If the same car is travelling at double the velocity, the distance travelled by it for the same retardation is

1. a. 640 m
2. b. 320 m
3. c. 1280 m
4. d. 160 m

62. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
b. 147.15 J
c. 227.31 J
d. 182.21 J

63. The angle between velocity and acceleration of a particle describing uniform circular motion is

- a. 45°
b. 60°
c. 90°
d. 180°

64. The value of acceleration due to gravity at a depth of 1600 km is equal to [Radius of earth = 6400 km]

- a. 9.8 ms^{-2}
b. 19.6 ms^{-2}
c. 4.9 ms^{-2}
d. 7.35 ms^{-2}

65. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
b. False

66. A body of mass 50 kg, is suspended using a spring balance inside a lift at rest. If the lift starts falling freely, the reading of the spring balance is

- a. = 50 kg
b. > 50 kg
c. < 50 kg
d. = 0

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67. What is the power utilised when work of 1000 J is done in 2 seconds?

- a. 100 W
- b. 200 W
- c. 20 W
- d. 500 W

68. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

69. The energy possessed by the body by virtue of its motion is known as?

- a. Chemical energy
- b. Thermal energy
- c. Potential energy
- d. Kinetic energy

70. A motor pump lifts 6 tones of water from a well of depth 25m to the first floor of height 35 m from the ground floor in 20 minutes. The power of the pump (in kW) is [$g = 10 \text{ ms}^{-2}$]

- a. 3
- b. 6
- c. 1.5
- d. 12

71. Which one has higher kinetic energy? Both light and heavy bodies have equal momenta.

- a. Heavy body
- b. Light body
- c. Both
- d. None of the options

72. 'Hydraulic lift' works on the basis of

- a. Stoke's law
- b. Toricelli's law
- c. Pascal's law
- d. Bernoulli's law

73. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
- b. False

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74. Find the power if the work done is 20J per hour

- a. 100 W
b. 200 W
c. 20 W
d. 500 W

75. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
b. 147.15 J
c. 227.31 J
d. 182.21 J

76. When the charged particles move in a combined magnetic and electric field, then the force acting is known as _____.

- a. Centripetal force
b. Centrifugal force
c. Lorentz force
d. Orbital force

77. The S.I. unit of specific heat capacity is

- a. $\text{J mol}^{-1} \text{K}^{-1}$
b. $\text{J kg}^{-1} \text{K}^{-1}$
c. J K^{-1}
d. J kg

78. Magnetic field at any point inside the straight solenoid is given as _____

- a. $B = \mu_0 n I$
b. $B = \mu_0 n + I$
c. $B = \mu_0 / n I$
d. $B = \mu_0 n I$

79. SI unit of the magnetic field is _____.

- a. Dyne
b. Ohm
c. Tesla
d. Volt

CHEMISTRY

80. Electrons in the atom are held to the nucleus by

- a. Nuclear Force
b. Coulomb's Force
c. Gravitational Force
d. Van Der Waal's Force

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81. The electrons of Rutherford's model would be expected to lose energy because

- a. They jump on the nucleus
- b. They move randomly
- c. Radiate electromagnetic waves
- d. Escape from the atom

82. When two perfect solutions with volume V each are combined, What is the volume of the solution as a result?

- a) V
- b) $2V$
- c) Greater than $2V$
- d) Less than $2V$

83. The heat of solution or mixing has a negative side.

- a) Heat of solution
- b) Heat of dissolution
- c) Heat of reaction
- d) Heat of mixing

84. Which of the following possess net dipole moment?

- 1. a. BF_3
- 2. b. SO_2
- 3. c. CO_2
- 4. d. BeCl_2

85. What effect does temperature have on the half-life of a first-order reaction?

- a) It increases
- b) It decreases
- c) It remains the same
- d) Both increases as well as decrease

86. Only a simple homogeneous reaction requires which of the following methods?

- a) Integration method
- b) Half-life period method
- c) Graphical method
- d) Ostwald's isolation method

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Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist



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87. In 30 minutes, a first-order reaction is 50% complete. Calculate the amount of time it took to complete 87.5 percent of the reaction.

- a) 30 minutes
- b) 60 minutes

- c) 90 minutes
- d) 120 minutes

88. What happens to the size of atoms in p-block elements when we move from left to right in the same period?

- a) Size does not change
- b) Size increases then decreases

- c) Size increases
- d) Size decreases

89. Which of the following statements concerning transuranium elements is incorrect?

- a) Atomic number > 92
- b) Example is Thorium

- c) Decay radioactively as they are unstable
- d) Elements after Uranium

90. When copper chips are exposed to concentrated nitric acid, which gas is produced?

- a) Nitrogen (III) oxide
- b) Nitrogen (IV) oxide

- c) Nitrogen (I) oxide
- d) Nitrogen (II) oxide

91. The significant figures in 0.00051 are _____.

- (a) 5
- (b) 3

- (c) 2
- (d) 26

92. A pure substance which contains only one type of atom is called _____.

- (a) An element
- (b) a compound

- (c) a solid
- (d) a liquid

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93. The number of σ -bonds and π -bonds present in naphthalene are respectively

a. 5, 19

2. b. 6, 19

3. c. 5, 20

4. d. 5, 11

94. The radius of an atomic nucleus is of the order of _____

(a) 10^{-10} cm

(b) 10^{-13} cm

(c) 10^{-15} cm

(d) 10^{-8} cm

95. Which of the following molecules have trigonal planar geometry?

(a) BF_3

(b) NH_3

(c) PCl_3

(d) IF

96. The elements with atomic numbers 9, 17, 35, 53, 85 are all _____

(a) halogens

(b) noble gases

(c) alkali earth metals

(d) transition metals

97. The number of moles of electron required to reduce 0.2 mole of $\text{Cr}_2\text{O}_7^{2-}$ to Cr^{3+}

a. 6

b. 1.2

c. 0.6

d. 12

98. For an ideal gas, C_V and C_P are related as :

(a) $C_V - C_P = R$

(b) $C_V + C_P = R$

(c) $C_P - C_V = RT$

(d) $C_P - C_V = R$

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99. If liquids A and B form an ideal solution

- (a) The entropy of mixing is zero
- (b) The free energy of mixing is zero
- (c) The free energy as well as the entropy of mixing
- (d) The free energy mixing is maximum

100 The vitamin that helps in clotting of blood is a. +6 to +4

- (a) C
- (b) A
- (c) K
- (d) B₂


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2019-20 MODEL FREESHIP QUESTION PAPER Total Marks:100

QUESTION PAPER NAME: ENGINEERING Duration:180 Min

NAME OF THE STUDENT: P.Bheemarjun Reddy FREESHIP NO: AVI/H2019087

17/07/2019

1.The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

- a. ~~(-2, 3)~~ c. (-4, 6)
b. ~~(1, -3/2)~~ d. (4, -6)

80

2.The parametric equation of the parabola $y^2 = 4ax$ is

- a. ~~$x = at; y = 2at$~~ d. $x = at^2; y^2 = at^3$
b. ~~$x = at^2; y = 2at$~~
c. ~~$x = at^2; y = 4at$~~

3.Two lines are said to be parallel if the difference of their slope is

- a. ~~-1~~ c. 1
b. 0 d. None of these

4.What is the distance of (5, 12) from the origin?

- a. 5units b. 8 units c. 12 units
d. 13 units

5.The largest coefficient in the expansion of $(1+x)^{10}$ is:

- a. ~~$10! / (5!)^2$~~ c. $10! / (5! \times 4!)^2$
b. ~~$10! / 5!$~~ d. $10! / (5! \times 4!)$

6.If n is even in the expansion of $(a+b)^n$, the middle term is:

- a. n^{th} term c. $[(n/2)-1]^{\text{th}}$ term
b. $(n/2)^{\text{th}}$ term d. $[(n/2)+1]^{\text{th}}$ term

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7. The value of $(126)^{1/3}$ up to three decimal places is

- a. 5.011
b. 5.012
c. 5.013
d. 5.014

8. The number of squares that can be formed on a chessboard is

- a. 64
b. 160
c. 204
d. 224

9. If ${}^n P_5 = 60^{n-1} P_3$, the value of n is

- a. 6
b. 10
c. 12
d. 16

10. Number of solutions of the equation $z^2 + |z|^2 = 0$ is

- (a) 1
(b) 2
(c) 3
(d) infinitely many

11. If $1 - i$, is a root of the equation $x^2 + ax + b = 0$, where $a, b \in \mathbb{R}$, then the value of $a - b$ is

- (a) -4
(b) 0
(c) 2
(d) 1

12. For any natural number n, $2^{2n} - 1$ is divisible by

- (a) 2
(b) 3
(c) 4
(d) 5

13. If $\tan A = 1/2$ and $\tan B = 1/3$, then the value of $A + B$ is

- (a) $\pi/6$
(b) π
(c) 0
(d) $\pi/4$

14. If $\sin \theta$ and $\cos \theta$ are the roots of $ax^2 - bx + c = 0$, then the relation between a, b and c will be

- (a) $a^2 + b^2 + 2ac = 0$
(b) $a^2 - b^2 + 2ac = 0$
(c) $a^2 + c^2 + 2ab = 0$
(d) $a^2 - b^2 - 2ac = 0$

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21. What is the probability of getting the number 6 at least once in a regular die if it can roll it 6 times?

- A. $1 - (5/6)^6$
B. $1 - (1/6)^6$
C. $(5/6)^6$
D. $(1/6)^6$

22. A bag contains 5 brown and 4 white socks. Ram pulls out two socks. What is the probability that both the socks are of the same colour?

- A. 9/20
B. 2/9
C. 3/20
D. 4/9

23. If the variance of the data is 121, the standard deviation of the data is:

- (a) 121
(b) 11
(c) 12
(d) 21

24. Relation between mean, median and mode is given by:

- (a) Mode = 2 Median - 3 Mean
(b) Mode = 2 Median + 3 Mean
(c) Mode = 3 Median - 2 Mean
(d) Mode = 3 Median + 2 Mean

25. Which of the following is not a statement?

- (a) Smoking is injurious to health.
(b) $2 + 2 = 4$
(c) 2 is the only even prime number.
(d) Come here.

26. Which of the following is a statement?

- (a) Roses are black.
(b) Mind your own business.
(c) Be punctual.
(d) Do not tell lies.

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27. The derivative of $x^2 \cos x$ is

(a) $2x \sin x - x^2 \sin x$

(b) $2x \cos x - x^2 \sin x$

(c) $2x \sin x - x^2 \cos x$

(d) $\cos x - x^2 \sin x \cos x$

28. The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

(a) $(-2, 3)$

(b) $(1, -3/2)$

(c) $(-4, 6)$

(d) $(4, -6)$

29. Solution of differential equation $x \cdot dy - y \cdot dx = Q$

A. a rectangular hyperbola

B. parabola whose vertex is at the origin

C. straight line passing through the origin

D. a circle whose centre is at the origin

30. What is the differential equation of the family of circles touching the y-axis at the origin?

A. $2xyy' + x^2 = y^2$

B. $2xyy'' + x' = y^2$

C. $2xyy' - x^2 = y^2$

D. $xyy' + x^2 = y^2$

31. The number of arbitrary constants in the particular solution of a differential equation of third order is:

A. 3

B. 2

C. 1

D. 0

32. Find the degree of the differential equation: $(1 + \frac{dy}{dx})^3 = (\frac{d^2y}{dx^2})^2$

A. 0

B. 1

C. 2

D. 3

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33. If $\int 2^x dx = f(x) + C$, then $f(x)$ is

- a. 2^x
- b. $2^x \log_e 2$
- c. $2^x / \log_e 2$
- d. $2^{x+1} / x+1$

~~X~~

34. $\int^2 (x^2 + 3) dx$ equals

- a. 24/3
- b. 25/3

~~d. None of the above~~

~~c. 26/3~~

35. The area of a triangle with vertices $(-3, 0)$, $(3, 0)$ and $(0, k)$ is 9 sq. units. The value of k will be

(a) 9

~~(b) 3~~

(c) -9

(d) 6

36. If $x \sin(a+y) = \sin y$, then dy/dx is equal to

- ~~a. $[\sin^2(a+y)]/\sin a$~~
- b. $\sin a / [\sin^2(a+y)]$

- c. $[\sin(a+y)]/\sin a$
- d. $\sin a / [\sin(a+y)]$

37. The function $f(x) = [\ln(1+ax) - \ln(1-bx)]/x$, not defined at $x=0$. The value should be assigned to f at $x=0$, so that it is continuous at $x=0$, is

- a. $a+b$
- b. $a-b$

- ~~c. $b-a$~~
- d. $\ln a + \ln b$

38. If $y = ax^2 + b$, then dy/dx at $x = 2$ is equal to

- a. $2a$
- b. $3a$

- ~~c. $4a$~~
- d. None of these

39. The value of c in Rolle's theorem for the function, $f(x) = \sin 2x$ in $[0, \pi/2]$ is

- a. $\pi/4$
- b. $\pi/6$

- ~~c. $\pi/2$~~
- d. $\pi/3$

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40) If $x = t^2$, $y = t^3$, then $d^2y/dx^2 =$

- a. $3/2$
b. $3/4t$

- c. $3/2t$
d. $3t/2$

41. If A is a square matrix of order 3 and $|A| = 5$, then the value of $|2A'|$ is

- (a) -10
(b) 10

- (c) -40
(d) 40

42. If $[2p + q - 2r + 3s] = [4 - 31124]$, then the value of $p + q - r + 2s$ is

- (a) 8
(b) 10

- (c) 4
(d) -8

43. If A and B are two matrices of the order $3 \times m$ and $3 \times n$, respectively, and $m = n$, then the order of matrix $(5A - 2B)$ is

- (a) $m \times 3$
(b) 3×3

- (c) $m \times n$
(d) $3 \times n$

44. The value of the expression $\sin [\cot^{-1} (\cos (\tan^{-1} 1))]$ is

- (a) 0
(b) 1

- (c) $1/\sqrt{3}$
(d) $\sqrt{2/3}$

45. Which of the following is the principal value branch of $\cos^{-1} x$?

- (a) $[-\pi/2, \pi/2]$
(b) $(0, \pi)$

- (c) $[0, \pi]$
(d) $(0, \pi) - \{\pi/2\}$

46. If $\sin^{-1} x + \sin^{-1} y = \pi/2$, then value of $\cos^{-1} x + \cos^{-1} y$ is

- (a) $\pi/2$
(b) π

- (c) 0
(d) $2\pi/3$

Therefore, $\cos^{-1} x + \cos^{-1} y = \pi/2$.

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47. The domain of $\sin^{-1}(2x)$ is

(a) $[0, 1]$

(b) $[-1, 1]$

~~(c) $[-1/2, 1/2]$~~

(d) $[-2, 2]$

48. $\sqrt{3} \operatorname{cosec} 20^\circ - \sec 20^\circ =$

a. 2

b. 3

c. 4

~~d. 1~~

49. If $P(n): 2^n < n!$ then the smallest positive integer for which $P(n)$ is true, is

a. 2

b. 3

~~c. 4~~

d. 5

50: XY-plane divides the line joining the points $A(2,3,-5)$ and $B(-1,-2,-3)$ in the ratio

a. 2:1 internally

b. 3:2 externally

~~c. 5:3 internally~~

~~d. 5:3 externally~~

PHYSICS

51. Uniform circular motion is given by the formula

a. $V=u+at$

~~b. $v^2-u^2=2AS$~~

~~c. $V-U=A$~~

d. none

52. Find the general solution of: ax^2+bx+c

A. $\sin^{-1} y = x + c$

B. $\sin^{-1} y/2 = x + c$

~~C. $\sin^{-1} y^2 = x + c$~~

D. None of the above

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53. Give an example of motion in two dimensions _____
- a. Motion along a straight line in any direction
 - b. Bird flying
 - c. A flying kite
 - d. Projectile motion
54. Motion in a plane is called _____
- a. Motion in one dimension
 - b. Motion in two dimensions
 - c. Motion in three dimensions
 - d. Motion in four dimensions
55. Farad is the unit of _____
- a. Luminosity
 - b. Wavelength
 - c. Permittivity
 - d. Inertia
56. Dimensions of kinetic energy is the same as that of _____
- a. Acceleration
 - b. Velocity
 - c. Work
 - d. Force.
57. AU is the unit of _____
- a. Astronomy Unit
 - b. Astronomical unit
 - c. Astrological Unit
 - d. Archaeological Unit
58. The physical Quantity is
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity
59. The symbol to represent "Amount of Substance" is _____
- a. K
 - b. A
 - c. Cd
 - d. Mol
60. among the following is the Supplementary Unit _____
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity

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61: A car moving with a velocity of 20 ms^{-1} is stopped in a distance of 40 m. If the same car is travelling at double the velocity, the distance travelled by it for the same retardation is

- 1. a. 640 m
- 2. b. 320 m
- 3. c. 1280 m
- 4. d. 160 m

62. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

63. The angle between velocity and acceleration of a particle describing uniform circular motion is

- a. 45°
- b. 60°
- c. 90°
- d. 180°

64. The value of acceleration due to gravity at a depth of 1600 km is equal to [Radius of earth = 6400 km]

- a. 9.8 ms^{-2}
- b. 19.6 ms^{-2}
- c. 4.9 ms^{-2}
- d. 7.35 ms^{-2}

65. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
- b. False

66. A body of mass 50 kg, is suspended using a spring balance inside a lift at rest. If the lift starts falling freely, the reading of the spring balance is

- a. = 50 kg
- b. > 50 kg
- c. < 50 kg
- d. = 0

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67. What is the power utilised when work of 1000 J is done in 2 seconds?

- a. 100 W
- b. 200 W
- c. 20 W
- d. 500 W

68. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

69. The energy possessed by the body by virtue of its motion is known as?

- a. Chemical energy
- b. Thermal energy
- c. Potential energy
- d. Kinetic energy

70. A motor pump lifts 6 tones of water from a well of depth 25m to the first floor of height 35 m from the ground floor in 20 minutes. The power of the pump (in kW) is [$g = 10 \text{ ms}^{-2}$]

- a. 3
- b. 6
- c. 1.5
- d. 12

71. Which one has higher kinetic energy? Both light and heavy bodies have equal momenta.

- a. Heavy body
- b. Light body
- c. Both
- d. None of the options

72. 'Hydraulic lift' works on the basis of

- a. Stoke's law
- b. Toricelli's law
- c. Pascal's law
- d. Bernoulli's law

73. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
- b. False

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74. Find the power if the work done is 20j per hour

- a. 100 W
- b. 200 W
- c. 20 W
- d. 500 W

75. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
- b. 147.15 J
- c. 227.31 J
- d. 182.21 J

76. When the charged particles move in a combined magnetic and electric field, then the force acting is known as _____.

- a. Centripetal force
- b. Centrifugal force
- c. Lorentz force
- d. Orbital force

77. The S.I. unit of specific heat capacity is

- a. $\text{J mol}^{-1} \text{K}^{-1}$
- b. $\text{J kg}^{-1} \text{K}^{-1}$
- c. JK^{-1}
- d. J kg

78. Magnetic field at any point inside the straight solenoid is given as _____

- a. $\mathbf{B} = \mu_0 + nI$
- b. $\mathbf{B} = \mu_0 + nI$
- c. $\mathbf{B} = \mu_0 / nI$
- d. $\mathbf{B} = \mu_0 nI$

79. SI unit of the magnetic field is _____.

- a. Dyne
- b. Ohm
- c. Tesla
- d. Volt

CHEMISTRY

80. Electrons in the atom are held to the nucleus by

- a. Nuclear Force
- b. Coulomb's Force
- c. Gravitational Force
- d. Van Der Waal's Force

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81. The electrons of Rutherford's model would be expected to lose energy because

- a. They jump on the nucleus
- b. They move randomly
- c. Radiate electromagnetic waves
- d. Escape from the atom

82. When two perfect solutions with volume V each are combined, What is the volume of the solution as a result?

- a) V
- b) 2V
- c) Greater than 2V
- d) Less than 2V

83. The heat of solution or mixing has a negative side.

- a) Heat of solution
- b) Heat of dissolution
- c) Heat of reaction
- d) Heat of mixing

84. Which of the following possess net dipole moment?

- 1. a. BF_3
- 2. b. SO_2
- 3. c. CO_2
- 4. d. BeCl_2

85. What effect does temperature have on the half-life of a first-order reaction?

- a) It increases
- b) It decreases
- c) It remains the same
- d) Both increases as well as decrease

86. Only a simple homogeneous reaction requires which of the following methods?

- a) Integration method
- b) Half-life period method
- c) Graphical method
- d) Ostwald's isolation method

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87 In 30 minutes, a first-order reaction is 50% complete. Calculate the amount of time it took to complete 87.5 percent of the reaction.

a) 30 minutes

b) 60 minutes

~~c) 90 minutes~~

~~d) 120 minutes~~

88. What happens to the size of atoms in p-block elements when we move from left to right in the same period?

a) Size does not change

b) Size increases then decreases

~~e) Size increases~~

~~d) Size decreases~~

89. Which of the following statements concerning transuranium elements is incorrect?

a) Atomic number > 92

~~b) Example is Thorium~~

~~c) Decay radioactively as they are unstable~~

~~d) Elements after Uranium~~

90. When copper chips are exposed to concentrated nitric acid, which gas is produced?

a) Nitrogen (III) oxide

~~b) Nitrogen (IV) oxide~~

~~c) Nitrogen (I) oxide~~

~~d) Nitrogen (II) oxide~~

91. The significant figures in 0.00051 are _____.

(a) 5

(b) 3

~~(c) 2~~

~~(d) 26~~

92. A pure substance which contains only one type of atom is called _____.

(a) An element

(b) a compound

(c) a solid

~~(d) a liquid~~

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93. The number of σ -bonds and π -bonds present in naphthalene are respectively

1. a. 5, 19

2. b. 6, 19

3. c. 5, 20

4. d. 5, 11

94. The radius of an atomic nucleus is of the order of _____

(a) 10^{-10} cm

(b) 10^{-13} cm

(c) 10^{-15} cm

(d) 10^{-8} cm

95. Which of the following molecules have trigonal planar geometry?

(a) BF_3

(b) NH_3

(c) PCl_3

(d) IF

96. The elements with atomic numbers 9, 17, 35, 53, 85 are all _____

(a) halogens

(b) noble gases

(c) alkali earth metals

(d) transition metals

97. The number of moles of electron required to reduce 0.2 mole of $\text{Cr}_2\text{O}_7^{2-}$ to Cr^{+3}

a. 6

b. 1.2

c. 0.6

d. 12

98. For an ideal gas, C_V and C_P are related as :

(a) $C_V - C_P = R$

(b) $C_V + C_P = R$

(c) $C_P - C_V = RT$

(d) $C_P - C_V = R$

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99. If liquids A and B form an ideal solution

- (a) The entropy of mixing is zero
- (b) The free energy of mixing is zero
- (c) The free energy as well as the entropy of mixing
- (d) The free energy mixing is maximum

100 The vitamin that helps in clotting of blood is a. +6 to +4

- (a) C
- (b) A
- (c) K
- (d) B₂

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7. The value of $(126)^{1/3}$ up to three decimal places is

- a. 5.011
b. 5.012
c. 5.013
d. 5.014

8. The number of squares that can be formed on a chessboard is

- a. 64
b. 160
c. 204
d. 224

9. If ${}^n P_5 = 60 {}^{n-1} P_3$, the value of n is

- a. 6
b. 10
c. 12
d. 16

10. Number of solutions of the equation $z^2 + |z|^2 = 0$ is

- (a) 1
(b) 2
(c) 3
(d) infinitely many

11. If $1 - i$ is a root of the equation $x^2 + ax + b = 0$, where $a, b \in \mathbb{R}$, then the value of $a - b$ is

- (a) -4
(b) 0
(c) 2
(d) 1

12. For any natural number n, $2^{2n} - 1$ is divisible by

- (a) 2
(b) 3
(c) 4
(d) 5

13. If $\tan A = 1/2$ and $\tan B = 1/3$, then the value of $A + B$ is

- (a) $\pi/6$
(b) π
(c) 0
(d) $\pi/4$

14. If $\sin \theta$ and $\cos \theta$ are the roots of $ax^2 - bx + c = 0$, then the relation between a, b and c will be

- (a) $a^2 + b^2 + 2ac = 0$
(b) $a^2 - b^2 + 2ac = 0$
(c) $a^2 + c^2 + 2ab = 0$
(d) $a^2 - b^2 - 2ac = 0$

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15. If $f(x) = x^2 + 2$, $x \in \mathbb{R}$, then the range of $f(x)$ is

(
a) $[2, \infty)$

(b) $(-\infty, 2]$

~~(c) $(2, \infty)$~~

(d) $(-\infty, 2) \cup (2, \infty)$

16. What will be the domain for which the functions $f(x) = 2x^2 - 1$ and $g(x) = 1 - 3x$ are equal?

(a) $\{-2, 1\}$

~~(b) $\{1/2, -2\}$~~

(d) $\{-2, 1/2\}$

~~(c) $[2, 12]$~~

17: Acute angle between the line $(x-5)/2 = (y+1)/-1 = (z+4)/1$ and the plane $3x-4y-z+5 = 0$ is:

a. $\cos^{-1}(9/\sqrt{364})$

b. $\sin^{-1}(9/\sqrt{364})$

c. $\cos^{-1}(5/2\sqrt{13})$

~~d. $\sin^{-1}(5/2\sqrt{13})$~~

18: The distance of the point $(1,2,1)$ from the line $(x-1)/2 = (y-2)/1 = (z-3)/2$ is

a. $2\sqrt{3}/5$

b. $2\sqrt{5}/3$

c. $\sqrt{5}/3$

~~d. $20/3$~~

19. The maximum number of equivalence relations on the set $A = \{1, 2, 3\}$ are

(a) 1

(b) 2

~~(c) 3~~

(d) 5

20. Events A and B are said to be mutually exclusive if:

A. $P(A \cup B) = P(A) + P(B)$.

B. $P(A \cap B) = P(A) \times P(B)$.

~~C. $P(A \cup B) = 0$~~

D. None of these

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21. What is the probability of getting the number 6 at least once in a regular die if it can roll it 6 times?

- A. $1 - (5/6)^6$
B. $1 - (1/6)^6$
C. $(5/6)^6$
D. $(1/6)^6$

22. A bag contains 5 brown and 4 white socks. Ram pulls out two socks. What is the probability that both the socks are of the same colour?

- A. 9/20
B. 2/9
C. 3/20
D. 4/9

23. If the variance of the data is 121, the standard deviation of the data is:

- (a) 121
(b) 11
(c) 12
(d) 21

24. Relation between mean, median and mode is given by:

- (a) Mode = 2 Median - 3 Mean
(b) Mode = 2 Median + 3 Mean
(c) Mode = 3 Median - 2 Mean
(d) Mode = 3 Median + 2 Mean

25. Which of the following is not a statement?

- (a) Smoking is injurious to health.
(b) $2 + 2 = 4$
(c) 2 is the only even prime number.
(d) Come here.

26. Which of the following is a statement?

- (a) Roses are black.
(b) Mind your own business.
(c) Be punctual.
(d) Do not tell lies.

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27. The derivative of $x^2 \cos x$ is

(a) $2x \sin x - x^2 \sin x$

(b) $2x \cos x - x^2 \sin x$

(c) $2x \sin x - x^2 \cos x$

(d) $\cos x - x^2 \sin x \cos x$

28. The centre of the circle $4x^2 + 4y^2 - 8x + 12y - 25 = 0$ is

(a) $(-2, 3)$

(b) $(1, -3/2)$

(c) $(-4, 6)$

(d) $(4, -6)$

29. Solution of differential equation $x \cdot dy - y \cdot dx = Q$

A. a rectangular hyperbola

B. parabola whose vertex is at the origin

C. straight line passing through the origin

D. a circle whose centre is at the origin

30. What is the differential equation of the family of circles touching the y-axis at the origin?

A. $2xyy' + x^2 = y^2$

B. $2xyy'' + x' = y^2$

C. $2xyy' - x^2 = y^2$

D. $xyy' + x^2 = y^2$

31. The number of arbitrary constants in the particular solution of a differential equation of third order is:

A. 3

B. 2

C. 1

D. 0

32. Find the degree of the differential equation: $(1 + \frac{d^2y}{dx^2})^3 = (\frac{d^2y}{dx^2})^2$

A. 0

B. 1

C. 2

D. 3

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33. If $\int 2^x dx = f(x) + C$, then $f(x)$ is

- a. 2^x
- b. $2^x \log_e 2$
- c. $2^x / \log_e 2$
- d. $2^{x+1} / x+1$

34. $\int^2 (x^2 + 3) dx$ equals

- a. 24/3
- b. 25/3

- c. 26/3
- d. None of the above

35. The area of a triangle with vertices $(-3, 0)$, $(3, 0)$ and $(0, k)$ is 9 sq. units. The value of k will be

(a) 9

(b) 3

(c) -9

(d) 6

36. If $x \sin(a+y) = \sin y$, then dy/dx is equal to

- a. $[\sin^2(a+y)] / \sin a$
- b. $\sin a / [\sin^2(a+y)]$

- c. $[\sin(a+y)] / \sin a$
- d. $\sin a / [\sin(a+y)]$

37. The function $f(x) = [\ln(1+ax) - \ln(1-bx)] / x$, not defined at $x=0$. The value should be assigned to f at $x=0$, so that it is continuous at $x=0$, is

- a. $a+b$
- b. $a-b$

- c. $b-a$
- d. $\ln a + \ln b$

38. If $y = ax^2 + b$, then dy/dx at $x = 2$ is equal to

- a. $2a$
- b. $3a$

- c. $4a$
- d. None of these

39. The value of c in Rolle's theorem for the function, $f(x) = \sin 2x$ in $[0, \pi/2]$ is

- a. $\pi/4$
- b. $\pi/6$

- c. $\pi/2$
- d. $\pi/3$

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40) If $x=t^2$, $y=t^3$, then $d^2y/dx^2 =$

- a. $3/2$
b. $3/4t$

- c. $3/2t$
d. $3t/2$

41. If A is a square matrix of order 3 and $|A| = 5$, then the value of $|2A'|$ is

- (a) -10
(b) 10

- (c) -40
(d) 40

42. If $[2\text{ } \text{ } \text{ } -2\text{ } 5\text{ } \text{ } 4\text{ } +3\text{ }] = [4-31124]$, then the value of $p + q - r + 2s$ is

- (a) 8
(b) 10

- (c) 4
(d) -8

43. If A and B are two matrices of the order $3 \times m$ and $3 \times n$, respectively, and $m = n$, then the order of matrix $(5A - 2B)$ is

- (a) $m \times 3$
(b) 3×3

- (c) $m \times n$
(d) $3 \times n$

44. The value of the expression $\sin [\cot^{-1} (\cos (\tan^{-1} 1))]$ is

- (a) 0
(b) 1

- (c) $1/\sqrt{3}$
(d) $\sqrt{2/3}$

45. Which of the following is the principal value branch of $\cos^{-1} x$?

- (a) $[-\pi/2, \pi/2]$
(b) $(0, \pi)$

- (c) $[0, \pi]$
(d) $(0, \pi) - \{\pi/2\}$

46. If $\sin^{-1} x + \sin^{-1} y = \pi/2$, then value of $\cos^{-1} x + \cos^{-1} y$ is

- (a) $\pi/2$
(b) π

- (c) 0
(d) $2\pi/3$

Therefore, $\cos^{-1} x + \cos^{-1} y = \pi/2$.

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47. The domain of $\sin^{-1}(2x)$ is

- (a) $[0, 1]$
(b) $[-1, 1]$
(c) $[-1/2, 1/2]$
(d) $[-2, 2]$

48. $\sqrt{3} \operatorname{cosec} 20^\circ - \sec 20^\circ =$

- a. 2
b. 3
c. 4
d. 1

49. If $P(n): 2^n < n!$ then the smallest positive integer for which $P(n)$ is true, is

- a. 2
b. 3
c. 4
d. 5

50: XY-plane divides the line joining the points A(2,3,-5) and B(-1,-2,-3) in the ratio

- a. 2:1 internally
b. 3:2 externally
c. 5:3 internally
d. 5:3 externally

PHYSICS

51. Uniform circular motion is given by the formula _____

- a. $V=u+at$
b. $v^2-u^2=2AS$
c. $V-U=A$
d. none

52. Find the general solution of: ax^2+bx+c

- A. $\sin^{-1} y = x + c$
B. $\sin^{-1} y/2 = x + c$
C. $\sin^{-1} y^2 = x + c$
D. None of the above

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53. Give an example of motion in two dimensions _____
- a. Motion along a straight line in any direction
 - b. Bird flying
 - c. A flying kite
 - d. Projectile motion
54. Motion in a plane is called _____
- a. Motion in one dimension
 - b. Motion in two dimensions
 - c. Motion in three dimensions
 - d. Motion in four dimensions
55. Farad is the unit of _____
- a. Luminosity
 - b. Wavelength
 - c. Permittivity
 - d. Inertia
56. Dimensions of kinetic energy is the same as that of _____
- a. Acceleration
 - b. Velocity
 - c. Work
 - d. Force.
57. AU is the unit of _____
- a. Astronomy Unit
 - b. Astronomical unit
 - c. Astrological Unit
 - d. Archaeological Unit
58. The physical Quantity is
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity
59. The symbol to represent "Amount of Substance" is _____
- a. K
 - b. A
 - c. Cd
 - d. Mol
60. among the following is the Supplementary Unit _____
- a. Mass
 - b. Time
 - c. Solid angle
 - d. Luminosity

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61: A car moving with a velocity of 20 ms^{-1} is stopped in a distance of 40 m. If the same car is travelling at double the velocity, the distance travelled by it for the same retardation is

1. a. 640 m
2. b. 320 m
3. ~~c. 1280 m~~
4. ~~d. 160 m~~

62. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. ~~121.20 J~~
b. 147.15 J
c. ~~227.31 J~~
d. ~~182.21 J~~

63. The angle between velocity and acceleration of a particle describing uniform circular motion is

- a. ~~45°~~
b. ~~60°~~
c. ~~90°~~
d. 180°

64. The value of acceleration due to gravity at a depth of 1600 km is equal to [Radius of earth = 6400 km]

- a. ~~9.8 ms^{-2}~~
b. ~~19.6 ms^{-2}~~
c. ~~4.9 ms^{-2}~~
d. 7.35 ms^{-2}

65. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
b. ~~False~~

66. A body of mass 50 kg, is suspended using a spring balance inside a lift at rest. If the lift starts falling freely, the reading of the spring balance is

- a. ~~= 50 kg~~
b. ~~> 50 kg~~
c. ~~< 50 kg~~
d. = 0

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67. What is the power utilised when work of 1000 J is done in 2 seconds?

- a. 100 W
b. 200 W
c. 20 W
d. 500 W

68. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
b. 147.15 J
c. 227.31 J
d. 182.21 J

69. The energy possessed by the body by virtue of its motion is known as?

- a. Chemical energy
b. Thermal energy
c. Potential energy
d. Kinetic energy

70. A motor pump lifts 6 tones of water from a well of depth 25m to the first floor of height 35 m from the ground floor in 20 minutes. The power of the pump (in kW) is [$g = 10 \text{ ms}^{-2}$]

- a. 3
b. 6
c. 1.5
d. 12

71. Which one has higher kinetic energy? Both light and heavy bodies have equal momenta.

- a. Heavy body
b. Light body
c. Both
d. None of the options

72. 'Hydraulic lift' works on the basis of

- a. Stoke's law
b. Toricelli's law
c. Pascal's law
d. Bernoulli's law

73. State true or false: According to Equivalence of Mass and Energy, it states that mass and energy are NOT interconvertible.

- a. True
b. False

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74. Find the power if the work done is 20j per hour

- a. 100 W
b. 200 W
c. 20 W
d. 500 W

75. Find the potential energy stored in a ball of mass 5 kg placed at a height of 3 m above the ground.

- a. 121.20 J
b. 147.15 J
c. 227.31 J
d. 182.21 J

76. When the charged particles move in a combined magnetic and electric field, then the force acting is known as _____.

- a. Centripetal force
b. Centrifugal force
c. Lorentz force
d. Orbital force

77. The S.I. unit of specific heat capacity is

- a. $\text{J mol}^{-1} \text{K}^{-1}$
b. $\text{J kg}^{-1} \text{K}^{-1}$
c. J K^{-1}
d. J kg

78. Magnetic field at any point inside the straight solenoid is given as _____

- a. $\mathbf{B} = \mu_0 n I$
b. $\mathbf{B} = \mu_0 + n I$
c. $\mathbf{B} = \mu_0 / n I$
d. $\mathbf{B} = \mu_0 n I$

79. SI unit of the magnetic field is _____.

- a. Dyne
b. Ohm
c. Tesla
d. Volt

CHEMISTRY

80. Electrons in the atom are held to the nucleus by

- a. Nuclear Force
b. Coulomb's Force
c. Gravitational Force
d. Van Der Waal's Force

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81. The electrons of Rutherford's model would be expected to lose energy because

- a. They jump on the nucleus
- b. They move randomly
- c. Radiate electromagnetic waves
- d. Escape from the atom

82. When two perfect solutions with volume V each are combined, What is the volume of the solution as a result?

- a) V
- b) 2V
- c) Greater than 2V
- d) Less than 2V

83. The heat of solution or mixing has a negative side.

- a) Heat of solution
- b) Heat of dissolution
- c) Heat of reaction
- d) Heat of mixing

84. Which of the following possess net dipole moment?

- 1. a. BF_3
- 2. b. SO_2
- 3. c. CO_2
- 4. d. BeCl_2

85. What effect does temperature have on the half-life of a first-order reaction?

- a) It increases
- b) It decreases
- c) It remains the same
- d) Both increases as well as decrease

86. Only a simple homogeneous reaction requires which of the following methods?

- a) Integration method
- b) Half-life period method
- c) Graphical method
- d) Ostwald's isolation method

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87 In 30 minutes, a first-order reaction is 50% complete. Calculate the amount of time it took to complete 87.5 percent of the reaction.

- a) 30 minutes
b) 60 minutes
c) 90 minutes
d) 120 minutes

88. What happens to the size of atoms in p-block elements when we move from left to right in the same period?

- a) Size does not change
b) Size increases then decreases
c) Size increases
d) Size decreases

89. Which of the following statements concerning transuranium elements is incorrect?

- a) Atomic number > 92
b) Example is Thorium
c) Decay radioactively as they are unstable
d) Elements after Uranium

90. When copper chips are exposed to concentrated nitric acid, which gas is produced?

- a) Nitrogen (III) oxide
b) Nitrogen (IV) oxide
c) Nitrogen (I) oxide
d) Nitrogen (II) oxide

91. The significant figures in 0.00051 are _____.

- (a) 5
(b) 3
c) 2
(d) 26

92. A pure substance which contains only one type of atom is called _____.

- (a) An element
(b) a compound
(c) a solid
(d) a liquid

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93. The number of σ -bonds and π -bonds present in naphthalene are respectively

1. a. 5, 19
2. b. 6, 19

3. c. 5, 20
4. d. 5, 11

94. The radius of an atomic nucleus is of the order of _____

- (a) 10^{-10} cm
(b) 10^{-13} cm

- (c) 10^{-15} cm
(d) 10^{-8} cm

95. Which of the following molecules have trigonal planar geometry?

- (a) BF_3
(b) NH_3

- (c) PCl_3
(d) IF_3

96. The elements with atomic numbers 9, 17, 35, 53, 85 are all _____

- (a) halogens
(b) noble gases

- (c) alkali earth metals
(d) transition metals

97. The number of moles of electron required to reduce 0.2 mole of $\text{Cr}_2\text{O}_7^{2-}$ to Cr^{+3}

- a. 6
b. 1.2

- c. 0.6
d. 12

98. For an ideal gas, C_V and C_P are related as :

- (a) $C_V - C_P = R$
(b) $C_V + C_P = R$

- (c) $C_P - C_V = RT$
(d) $C_P - C_V = R$

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99. If liquids A and B form an ideal solution

- (a) The entropy of mixing is zero
- (b) The free energy of mixing is zero
- (c) The free energy as well as the entropy of mixing
- (d) The free energy mixing is maximum

100 The vitamin that helps in clotting of blood is a. +6 to +4

- (a) C
- (b) A
- (c) K
- (d) B₂


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AVANTHI FREESHIP STUDENTS ACADEMIC YEAR 2019-2020:

The following is the list of students 87 are selected from Avanathi Freeship Policy test conducted on 29-06-2019 and 17-07-2019. Based on the merit of the test results the fee concessions is given to the below students.

Freeship Test Marks:

S.No	FreeShip No	Student Name	Marks
1	AVIH2019083	MURUGESHAN SIRI SAGAR	89
2	AVIH2019063	KAVALI DINESH KUMAR	85
3	AVIH2019078	VENNA UJWALA	85
4	AVIH2019080	AREBOINA KISHORE	85
5	AVIH2019082	GOLI NAGENDRABABU	84
6	AVIH2019086	JINNA SRINIVAS	84
7	AVIH2019047	YADAMALLI PRANEETH	83
8	AVIH2019079	AITHAGONI VENKATESH	83
9	AVIH2019081	BOJJA VISHWADEEPAK	83
10	AVIH2019085	PADOM GOWTHAMKUMAR	83
11	AVIH2019073	PUNNA SRIJA	82
12	AVIH2019060	JUJUVA RAJJATH KUMAR	80
13	AVIH2019064	KONDOJU ANKITHA	80
14	AVIH2019077	BALAMISU DIVYA	80
15	AVIH2019087	PARNE BHEEMARJUNREDDY	80
16	AVIH2019053	ARA SAIPRIYA	79
17	AVIH2019071	MULAKALA NIREESHA	79
18	AVIH2019059	GUDURI PRASHANTH KUMAR	76
19	AVIH2019076	JAKKIDI MADHURI	76
20	AVIH2019065	KORPURI ARUN KUMAR	76
21	AVIH2019011	ARYAN MUNI	75
22	AVIH2019013	BUDDE CHANDU	75
23	AVIH2019017	DONDA THULASI	75
24	AVIH2019036	PILLI SRI SAI RASHIMITHA	75
25	AVIH2019049	YARRABELLI ANIL REDDY	75
26	AVIH2019050	GALVE RAKSHITH	75
27	AVIH2019055	BANDARUU RAJU	75
28	AVIH2019058	GUDA RAHUL	75
29	AVIH2019061	K SRIKANTH	75
30	AVIH2019084	NALLANI NAGA VENKATA CHAKRAVARTHI	75
31	AVIH2019062	KARNATI UPENDER REDDY	70

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32	AVIH2019066	KUDIKALA SWAPNA	70
33	AVIH2019009	ABHINAV KUMAR SINGH	70
34	AVIH2019015	DARIPALLY SRI RAM	69
35	AVIH2019034	NUKALA AVINASH REDDY	69
36	AVIH2019051	ADHHIKARI PANDU SIVA SAI MANIKANTA	69
37	AVIH2019052	ALLE KESARI VIJENDRA SIMHA	69
38	AVIH2019054	AVULURI VENUGOPAL REDDY	69
39	AVIH2019072	MULINTI MOUNIKA	69
40	AVIH2019075	VENREDDY RASHMITHA	65
41	AVIH2019027	VEERAVALLI SAI PAVAN	65
42	AVIH2019018	G GURU CHARAN	65
43	AVIH2019070	MOTE VAMSHI KRISHNA	65
44	AVIH2019003	GUNTOJU RENUKA	65
45	AVIH2019041	SALLA SAIKIRAN REDDY	65
46	AVIH2019056	BHEEMANABOINA SAIKIRANN	65
47	AVIH2019057	DEVESH AGARWAL	64
48	AVIH2019067	MAMINDLA KARTHIK	64
49	AVIH2019069	MOHAMMED KHALEEL	64
50	AVIH2019074	SYED IMRAN	64
51	AVIH2019038	PREETHHI SINGH	63
52	AVIH2019005	JITTA RAJASHEKAR	63
53	AVIH2019008	MOHAMMED SAMEER AHMED	63
54	AVIH2019010	AJAYKUMAR VAKITI	63
55	AVIH2019012	BALASANI PRANEETHSAI	63
56	AVIH2019006	KATAM SNEHA	62
57	AVIH2019024	THATI DEEPIKAA	62
58	AVIH2019025	THATI DIKSHITA	62
59	AVIH2019028	YERRAMSETTI SAI	62
60	AVIH2019002	BOJJA SAI CHARAN REDDY	62
61	AVIH2019007	KOLLI PRIYANKA CHOWDARY	61
62	AVIH2019014	CHINTANIPPU VAMSHI	61
63	AVIH2019016	DEVARAKONDA VINAY	61
64	AVIH2019019	GADIGA GAYATHRI NADH	61
65	AVIH2019020	KATTA ASRITH REDDY	61
66	AVIH2019021	KAYYALA AKSHAY YADAV	60
67	AVIH2019022	PUNNA SAI MOUNIKA	59
68	AVIH2019023	SABBU YASHWANTH REDDY	58
69	AVIH2019026	VALLEM SRIVANI	58
70	AVIH2019030	KOTHA MANJUBHARGAVI	58
71	AVIH2019031	KUNUGUNTLA SRI HARSHA	58

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72	AVIH2019032	MANOOR VIJAY KARTHIK	57
73	AVIH2019033	MARINELA NAVYA	57
74	AVIH2019037	POLASA LIKITHHA	55
75	AVIH2019039	RANGA RAJASHEKHAR	53
76	AVIH2019040	RUDRAVELLY NAGASANTHOSHITHA	52
77	AVIH2019042	SAMBANGI SAI SRAVANI	52
78	AVIH2019043	THIMMA REDDY MAHESHWARA REDDY	52
79	AVIH2019044	THOTA NISHANTH	52
80	AVIH2019046	VODNALA RAJ KUMAR	51
81	AVIH2019048	YADLA YASHWANTH	50
82	AVIH2019004	I RAGHAVENDRA REDDY	50
83	AVIH2019029	KORU VINAY KUMAR	49
84	AVIH2019001	BANNE MAMATHA	49
85	AVIH2019035	PALAGANI MANIKANTA SHIVAJI	45
86	AVIH2019068	MEDICHERLA VENKATA SIVA BHANU GOPAL	42
87	AVIH2019045	SHASHANK REDDY	40


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Gunthapally,

Date: 12-08-2019.

From

The Principal,
Avanathi Institute of Engineering & Technology,
Gunthapally.

To

Chairperson
Governing Body (GB),
Avanathi Institute of Engineering & Technology,
Gunthapally.

Dear Sir/Madam

Sub: Request to sanction of Freeship Amount.

Reference: 1. AvanathiFreeship Internal Policy.

This is to inform you that Avanathi Institute of Engineering & Technology conducted an exam "Avanathi Freeship Policy Test" on 29-06-2019 and 17-07-2019 to the students who are willing to join in B category seats of first year B.Tech program for the academic year 2019-2020. Based on their performance in the test, they were awarded marks and eligibility for Freeships in accordance with the rules and regulations of Freeship Internal Policy. I enclose the list of 87 students who are qualified in the test for your reference. In this regard, I request you to please forward this students list to the Governing Body for sanctioning the freeships amount for further proceedings.

The details are also enclosed for your consideration

Thanking you sir

Yours faithfully,


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AVANTHI FREESHIP STUDENTS ACADEMIC YEAR 2019-2020

The following is the list of students 87 are selected from Avanathi Freeships policy test. Based on the merit of the results the fee concession is given to the below students.

S.No	HallTicket No	Student Name	Amount
1	19Q61A0219	MURUGESHAN SIRI SAGAR	41000
2	19Q61A0465	KAVALI DINESH KUMAR	35000
3	19Q61A0480	VENNA UJWALA	35000
4	19Q61A0216	AREBOINA KISHORE	35000
5	19Q61A0218	GOLI NAGENDRABABU	32500
6	19Q61A0308	JINNA SRINIVAS	32000
7	19Q61A05E9	YADAMALLI PRANEETH	30000
8	19Q61A0481	AITHAGONI VENKATESH	30000
9	19Q61A0217	BOJJA VISHWADEEPAK	30000
10	19Q61A0221	PADOM GOWTHAMKUMAR	30000
11	19Q61A0475	PUNNA SRIJA	27000
12	19Q61A0462	JUJUVA RAJJATH KUMAR	25000
13	19Q61A0466	KONDOJU ANKITHA	25000
14	19Q61A0479	BALAMISU DIVYA	25000
15	19Q61A0309	PARNE BHEEMARJUNREDDY	25000
16	19Q61A0455	ARA SAIPRIYA	23000
17	19Q61A0473	MULAKALA NIREESHA	23000
18	19Q61A0461	GUDURI PRASHANTH KUMAR	22500
19	19Q61A0478	JAKKIDI MADHURI	22000
20	19Q61A0467	KORPURI ARUN KUMAR	21000
21	19Q61A0546	ARYAN MUNI	20000
22	19Q61A0548	BUDDE CHANDU	20000
23	19Q61A0554	DONDA THULASI	20000
24	19Q61A05B0	PILLI SRI SAI RASHIMITHA	20000
25	19Q61A05F1	YARRABELLI ANIL REDDY	20000
26	19Q61A05F2	GALVE RAKSHITH	20000
27	19Q61A0457	BANDARUU RAJU	20000
28	19Q61A0460	GUDA RAHUL	20000
29	19Q61A0463	K SRIKANTH	20000
30	19Q61A0220	NALLANI NAGA VENKATA CHAKRAVARTHI	20000
31	19Q61A0464	KARNATI UPENDER REDDY	17500
32	19Q61A0468	KUDIKALA SWAPNA	17000
33	19Q61A0543	ABHINAV KUMAR SINGH	15000
34	19Q61A0552	DARIPALLY SRI RAM	15000

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35	19Q61A05A8	NUKALA AVINASH REDDY	15000
36	19Q61A0453	ADHHIKARI PANDU SIVA SAI MANIKANTA	15000
37	19Q61A0454	ALLE KESARI VIJENDRA SIMHA	15000
38	19Q61A0456	AVULURI VENUGOPAL REDDY	15000
39	19Q61A0474	MULINTI MOUNIKA	15000
40	19Q61A0477	VENREDDY RASHMITHA	15000
41	19Q61A05A1	VEERAVALLI SAI PAVAN	12500
42	19Q61A0555	G GURU CHARAN	11000
43	19Q61A0472	MOTE VAMSHI KRISHNA	10500
44	19Q61A0536	GUNTOJU RENUKA	10000
45	19Q61A05B6	SALLA SAIKIRAN REDDY	10000
46	19Q61A0458	BHEEMANABOINA SAIKIRANN	10000
47	19Q61A0459	DEVESH AGARWAL	10000
48	19Q61A0469	MAMINDLA KARTHIK	10000
49	19Q61A0471	MOHAMMED KHALEEL	10000
50	19Q61A0476	SYED IMRAN	10000
51	19Q61A05B3	PREETHHI SINGH	9000
52	19Q61A0538	JITTA RAJASHEKAR	8000
53	19Q61A0541	MOHAMMED SAMEER AHMED	8000
54	19Q61A0544	AJAYKUMAR VAKITI	8000
55	19Q61A0547	BALASANI PRANEETHSAI	8000
56	19Q61A0539	KATAM SNEHA	7000
57	19Q61A0598	THATI DEEPIKAA	7000
58	19Q61A0599	THATI DIKSHITA	7000
59	19Q61A05A2	YERRAMSETTI SAI	7000
60	19Q61A0534	BOJJA SAI CHARAN REDDY	5000
61	19Q61A0540	KOLLI PRIYANKA CHOWDARY	5000
62	19Q61A0550	CHINTANIPPU VAMSHI	5000
63	19Q61A0553	DEVARAKONDA VINAY	5000
64	19Q61A0556	GADIGA GAYATHRI NADH	5000
65	19Q61A0559	KATTA ASRITH REDDY	5000
66	19Q61A0560	KAYYALA AKSHAY YADAV	5000
67	19Q61A0595	PUNNA SAI MOUNIKA	5000
68	19Q61A0596	SABBU YASHWANTH REDDY	5000
69	19Q61A05A0	VALLEM SRIVANI	5000
70	19Q61A05A4	KOTHA MANJUBHARGAVI	5000
71	19Q61A05A5	KUNUGUNTLA SRI HARSHA	5000
72	19Q61A05A6	MANOOR VIJAY KARTHIK	5000
73	19Q61A05A7	MARINELA NAVYA	5000
74	19Q61A05B1	POLASA LIKITHHA	5000


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75	19Q61A05B4	RANGA RAJASHEKHAR	5000
76	19Q61A05B5	RUDRAVELLY NAGASANTHOSHITHA	5000
77	19Q61A05B7	SAMBANGI SAI SRAVANI	5000
78	19Q61A05B8	THIMMA REDDY MAHESHWARA REDDY	5000
79	19Q61A05B9	THOTA NISHANTH	5000
80	19Q61A05E8	VODNALA RAJ KUMAR	5000
81	19Q61A05F0	YADLA YASHWANTH	5000
82	19Q61A0537	I RAGHAVENDRA REDDY	3000
83	19Q61A05A3	KORU VINAY KUMAR	2500
84	19Q61A0512	BANNE MAMATHA	2000
85	19Q61A05A9	PALAGANI MANIKANTA SHIVAJI	2000
86	19Q61A0470	MEDICHERLA VENKATA SIVA BHANU GOPAL	1500
87	19Q61A05D4	SHASHANK REDDY	1000

Total Students : 87 Total Amount: 12,18,500


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Our institution committed to provide freeships to poor and economically backward students. It is applicable to the students who do not have parents or either father or mother has lost their lives they could avail the opportunity. We also offer freeships whose parental annual income less than one lakh. We ensure that this financial support will help the students to reach their goals. Here we are providing the list of students to whom we have provided freeship from college along with their requested letters.

S.No	Name of the student	HallTicket No	Amount
1	BARLA SOUMY	18Q61A0536	7500
2	DASARI SAI KAVYA	18Q61A0537	1000
3	GANJI RAHUL	18Q61A0538	10000
4	KUNCHALA NAVYA	18Q61A0540	10000
5	SANGARS SWETHA SRI	18Q61A0542	9000
6	ARIKATLA SRAVANI	18Q61A0543	10000
7	D SAI RAJ	18Q61A0546	3000
8	JALAGIRI RAHULMUDIRAJ	18Q61A0549	3500
9	MARAM NAGARJUNA REDDY	18Q61A0551	10000
10	MOHAMMED FARHAN	18Q61A0552	5000
11	PALLERLA GOPI REDDY	18Q61A0554	10000
12	PARSHAPAG KEVINMATTHEW	18Q61A0555	10000
13	PULIPATI SHYAMSUNDER	18Q61A0557	5000
14	R SURESH REDDY	18Q61A0560	5000
15	BOYA MOHIT	18Q61A0596	5000
16	GURIJALA KEERHI SAGAR	18Q61A0598	5000
17	MANNE MADHUMITHA REDDY	18Q61A05A0	5000
18	POLEPALLY NAGARAJU	18Q61A05A1	5000
19	K BHARATH KUMAR REDDY	18Q61A05A3	15000
20	RACHURI AISHWARYA	18Q61A05A5	1000
21	SATTU SAIKIRAN	18Q61A05A6	15000
22	SURKANTI NAVJEEVAN REDDY	18Q61A05A7	5000
23	DASARI VIVEK	18Q61A05B0	15000
24	CHALLA NITHISH REDDY	18Q61A05B2	10000
25	CHERUKUMALLI VASU BABU	18Q61A05B3	5000
26	JALADI SAI TEJA	18X61A0512	20000
27	KAMAKANTI PRANAY	17Q61A0572	5000
28	VEMANAMANDU GANESH KRISHNA VARMA	17Q61A0579	1000
29	ANTHANOLLA KUPENDER REDDY	18Q61A0444	20000
30	BHUPANI VENKATA SAI KRISHNA	18Q61A0446	18000
31	CHALLAGUNDLA SRAVYA	18Q61A0449	16500

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32	CHENNU PAVANI	18Q61A0451	6000
33	CHINTAPALLI RAMYASRI	18Q61A0452	15000
34	CHOLLOTI AKANKSHA	18Q61A0453	10000
35	GANDHE PRAVIN	18Q61A0455	21500
36	JINKALA ANIL KUMAR REDDY	18Q61A0456	9500
37	KANDE AKHIL SAI	18Q61A0457	15000
38	KARANAM DIVYA BHANU	18Q61A0458	13000
39	VORUGANTI SHRAVANI	18Q61A0459	25000
40	KOLANU AJAYKUMAR	18Q61A0460	15500
41	MAINAMPATI MEGHANA REDDY	18Q61A0461	15000
42	POLOJU SHIVA KUMAR	18Q61A0464	15000
43	A ASHWINI	19Q65A0419	32500
44	DARAM MAMATHA	19Q65A0420	35000
45	DETTI CHANDU	19Q65A0421	30000
46	DEVARIGARI SATYA PRASAD	19Q65A0422	25000
47	DEVUNURI SONY	19Q65A0423	32500
48	GUMPUULA CHANDANA	19Q65A0424	25000
49	K SHIVA	19Q65A0425	35000
50	KAKKUNURU PRATHYUSHA	19Q65A0426	30000
51	KAKUMANI HARIKA	19Q65A0427	27500
52	KANUGANTI KARTHIK KUMAR	19Q65A0428	30000
53	KOTHAPALLI VAMSHI	19Q65A0429	35000
54	KOYEDA SAKETHRAM	19Q65A0430	25000
55	N PAVAN KRISHNA	19Q65A0431	25000
56	N SWATHI	19Q65A0432	35000
57	NALLA TEJA	19Q65A0433	27500
58	NELLUTLA ARUN KUUMAR	19Q65A0434	30000
59	NOMULA GOVARDHAN	19Q65A0435	35000
60	PASALA PETER SANDEEP	19Q65A0436	35000
61	PATIBANDA LAKSHMI SAIMANOJ	19Q65A0437	30000
62	PUUTTA SWATHI	19Q65A0438	25000
63	SHAGA BHARATH REDDY	19Q65A0439	30000
64	SUNKARI SRAVANI	19Q65A0440	30000
65	VANGARI RAM TEJA	19Q65A0441	30000
66	VARKALA PRAVEEN KUMAR	19Q65A0442	32500
67	NIRAGHATAM VENKATA SAI KRISHNA KARTHIK	18Q61A0215	1000
68	BOMMMOJU RANJITH	18Q61A0221	30000
69	DEGALA ASHA	18Q61A0222	30000
70	K SANDEEP	18Q61A0223	27500
71	MUNDLA ANUSHA	18Q61A0224	28000

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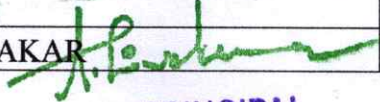
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72	VADLURI SUMANTH	18Q61A0225	25000
73	AMARABAD NARESH	19Q65A0207	32500
74	BADAVATH PRAVEEN	19Q65A0208	25000
75	BADINENI AJAY KUMAR	19Q65A0209	25000
76	BELDHAR SANDEEP SAILOO	19Q65A0210	25000
77	CHALLA SAIPRAKASH REDDY	19Q65A0211	30000
78	DHANAVATH VENKANNA	19Q65A0213	33000
79	DODLAPATI SRIKANTH	19Q65A0214	25000
80	DUBA SRILAKSHMI	19Q65A0215	30000
81	GARNEPALLY PRASHANTH	19Q65A0216	30000
82	GODUGU MANOHAR	19Q65A0217	25000
83	GOLAKOTI SINDHU SRI	19Q65A0218	31000
84	GUBBALA SRI CHANDANA	19Q65A0219	24000
85	JAMMULADINNE RAGHUVARMA REDDY	19Q65A0220	23000
86	KANURU TEJA	19Q65A0221	20000
87	KONAPARTHI KALYAN KUMAR	19Q65A0222	30000
88	L YASHWANTH	19Q65A0223	30000
89	LAKNAPURAM NIRANJAN REDDY	19Q65A0224	25000
90	LINGAMPALLI SAICHARAN	19Q65A0225	24000
91	MADASU PRANAY	19Q65A0226	20000
92	MADOORI SUMANTH	19Q65A0227	34500
93	MEDARAPU RAJ KUMAR	19Q65A0228	25000
94	NAKKA MADHU KRISHNA	19Q65A0229	25000
95	NALLAMALLA SAI CHARITHA	19Q65A0230	30000
96	PUTLA SRINIVAS	19Q65A0231	23000
97	R VAMSHIKRISHNA	19Q65A0232	24000
98	RAGAM SAISHYAM	19Q65A0233	24000
99	RAYABARAPU SANDEEP KUMAR	19Q65A0234	30000
100	SHAIK THASLEEM	19Q65A0235	20000
101	SIRAGONI MADHAVI	19Q65A0236	32500
102	TANGELLA AISHWARYA	19Q65A0237	25000
103	THUPAKULA GOPI CHAND	19Q65A0238	35000
104	VADDE SRINIVASULU	19Q65A0239	25000
105	VINAY VELDANDI	19Q65A0240	25000
106	JOSHI ANIRUDH CHARY	18Q61A0306	25000
107	R SACHIN	18Q61A0307	25000
108	ADDALA RAJESH BALU	19Q65A0317	30000
109	AKULA SHASHI PREETHAM	19Q65A0318	30000
110	AKULA UUDAY	19Q65A0319	25000
111	BAPANIPALLY DIWAKAR	19Q65A0320	32500


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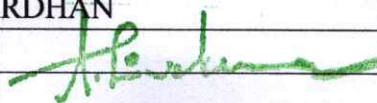
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112	BAREDDY NARAYANA REDDYY	19Q65A0321	37500
113	BEESA NAVEEN	19Q65A0322	37000
114	BHEEMANABOINA RENUKA	19Q65A0323	35000
115	BHUKYA KALYAN	19Q65A0324	37500
116	BOYA RAJASHEKAR	19Q65A0325	35000
117	CHANDRAGIRI MANISHANKAR	19Q65A0326	35000
118	CHETTY VIKAS	19Q65A0327	30000
119	DAYYALA VIDYASAGAR	19Q65A0328	35000
120	DHARANI NARESH	19Q65A0329	30000
121	GANDHAM PAVANKALYAN	19Q65A0330	35000
122	GATTU POOJITHA	19Q65A0331	35000
123	GOVVALA VIJAY KUMAR	19Q65A0332	35000
124	GUMPULA UUDAYKIRAN	19Q65A0333	25000
125	GUNDA DILEEP	19Q65A0334	30000
126	GURRAM PRASHANTH	19Q65A0335	32500
127	ISUKAPATLA ASHISHCHANDAN	19Q65A0336	35000
128	KASHAPOGU MOSES	19Q65A0338	32500
129	KONAPARTHI MURALI KRISHNA	19Q65A0339	30000
130	KORRA RAVI KUMAR NAYAK	19Q65A0340	37500
131	KUMMULA UMAKANTH	19Q65A0341	35000
132	KUNSOTH JAYANTH KUMAR	19Q65A0342	30000
133	MADUURI HARISH	19Q65A0343	35000
134	MATTA RAKESH	19Q65A0344	40000
135	P RITHVIK KUMAR	19Q65A0346	35000
136	PALADUGU AMARNATH	19Q65A0347	32500
137	SHAIK USMAN SHAREEF	19Q65A0348	30000
138	THODETI GOPALAKRISHNA	19Q65A0349	35000
139	VADALA NIKHIL	19Q65A0350	32500
140	VAKULABHARANAM PRANAV	19Q65A0351	30000
141	VEMULA SURESH	19Q65A0352	30000
142	KONDAVEETI TIRUVENKATA S M SAITEJA	17Q61A0522	6000
143	MYGAPU VENKATA SAI PRADEEPTHI	17Q61A0574	10000
144	VADAKATTU VIBHAVI	17Q61A0575	500
145	VISHNUHOTLA DURGA SRI VALLI	17Q61A0580	5000
146	KASTURI PHANEENDRA	16Q61A0589	10000
147	CHERUKU PRUDHVI	17Q61A0470	25000
148	GURRAM SOWMYA	17Q61A0474	10000
149	K NIKHIL REDDY	17Q61A0475	5000
150	KOTLA HARSHAVARDHAN	17Q61A0477	10000
151	LASKARI VISHAL	17Q61A0478	15000


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152	RUDRARAM KEERTHI	17Q61A0483	12000
153	DHONDI AKHIL	18Q65A0425	35000
154	KUMARI MEGHA	17Q61A0207	4000
155	PRITI KUMARI	17Q61A0214	4000
156	SILVERU RAVI KUMAR	17Q61A0217	15000
157	MADIGA THARUNTEJA	17Q61A0218	25000
158	AKSHINTHALA SUPRIYA	18Q65A0213	25000
159	BADIGICALA RAGHAVENDRA	18Q65A0214	20000
160	BANOTH PREMKUMAR	18Q65A0215	30000
161	BONTHA SRIKANTH	18Q65A0216	32000
162	DESHAMONI SHIVA	18Q65A0217	35000
163	DEVARAKONDA RAJITHA	18Q65A0218	30000
164	ERABATHULA JAGADHISHKUMAR	18Q65A0219	30000
165	GUGULOTH BINDU	18Q65A0220	30000
166	KANDIVALASA SURENDRA	18Q65A0221	30000
167	M D AMEER SOHAIL	18Q65A0222	30000
168	MADDULA RANJITH	18Q65A0223	30000
169	MAIDAM SHYALAJA	18Q65A0224	30000
170	MD AHIMADH	18Q65A0225	25000
171	MOGILIPAKA VAMSHI	18Q65A0226	25000
172	NADIKUDI YASHWANTH	18Q65A0227	25000
173	PAYYAVULA PAVANKUMAR	18Q65A0228	30000
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175	SATHYAMOLLA HARISH GOUD	18Q65A0230	30000
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177	SUDINI KARTHIK REDDY	18Q65A0232	28000
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179	SANIKOMMU RAJESH	17Q61A0326	18000
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184	GADU RAHUL	18Q65A0328	20000
185	JANAPATI SANDEEP	18Q65A0329	25000
186	KADERAM MANIKANTA	18Q65A0330	30000
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188	P SAI SRAVAN GOUD	18Q65A0332	25000
189	PONNALA SRIKANTH	18Q65A0333	30000
190	RAVVA SHASHIDHAR	18Q65A0335	30000
191	SYED YAKUB PASHA	18Q65A0336	30000


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192	VADTHYAVATH CHANDRASHEKHAR	18Q65A0337	30000
193	AMIREDDY MANOJ KUMAR REDDY	16Q61A0226	20000
194	PELURI VANAJAKSHI	16Q61A0227	10000
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202	M SATYANARAYANA	17Q65A0221	25000
203	MALLEPOOLA SRAVAN KUMAR	17Q65A0222	30000
204	MUCHAKURTHI SRAVAN KUMAR	17Q65A0223	35000
205	NAKKA ROHITH	17Q65A0224	25000
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208	PUNNA SAMPATH KUMAR	17Q65A0228	35000
209	ENUKONDA HARIKRISHAN	16Q61A0339	20000
210	AGNIHOTHRI GOVARDHAN	17Q65A0335	30000
211	BHARATHAPU SAI KUMAR	17Q65A0336	30000
212	BHEEMIDI SUKHENDER REDDY	17Q65A0337	30000
213	KETHAVATH JAGAN BABU	17Q65A0339	35000
214	KUMAVATH MAHENDHAR	17Q65A0340	30000
215	V AVINASH	17Q65A0341	30000
216	VALLALA VISHNU KUMAR	17Q65A0342	30000
217	VEERAMANENI PAVAN	17Q65A0343	25000
218	VEMULA PRASHANTHI	17Q65A0344	30000
219	BURMA SHIVANI	16Q61A0507	10000
220	VEMULA SAI MANVITHA	16Q61A0558	4000
221	GALI SAI VINEELA	16Q61A0569	7000
222	GOTTUMUKULA ABHINAV REDDY	16Q61A0570	6000
223	K SANTOSH	16Q61A0572	6000
224	V MANASA	16Q61A0574	27000
225	MADAGONI SAITEJA	16Q61A0576	4000
226	SANGEM MANI PREETHAM	16Q61A0579	7250
227	SUNITHA VINAYA UNNITHAN	16Q61A0580	1750
228	VENNA NAGA SAI REDDY	16Q61A0592	10000
229	JAMMICHEDU SONALI	16Q61A0433	6750
230	KUSHANENI SAKSHI	16Q61A0451	20000
231	SIMHADRI KRISHNASAI	16Q61A0488	7000

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232	B OMPRAKASH REDDY	16Q61A04A5	15000
233	DAVALAKUNDA GOUTHAM SHETTY	16Q61A04A7	10000
234	P AKHILA	16Q61A04B1	10000
235	BONAGIRI RAMYA	16Q61A04B7	15000
236	MANDAPALLY SAILAXMI	16Q61A04B8	10000
237	ROY PRANAB HARIDAS	16Q61A04B9	15000
238	V TEJASWI	16Q61A04C0	10000
239	BAIRI RACHANA	17Q65A0431	30000
240	PANSA NAGARAJU	13N31A04F1	15000
241	BATHULA SULOCHANA	19Q61E0004	8000
242	BARUKUNTI PRANATHI	19Q61E0043	10000
243	KANDHI MAMATHA	19Q61E0044	5000
244	YARRAMATI HARISH	19Q61E0045	14000
245	MEDIPALLY POOJA	19Q61E0046	15000
246	RAKASHI MANISH REDDY	19Q61E0047	10000
247	SURAPALLY SAI KUMAR	19Q61E0048	14000
248	PAPPULA NARAYANA REDDY	19Q61E0049	14000
249	D LAXMANUDU	19Q61E0050	15000
250	MADHURANTAKAM VISHAL	19Q61E0051	10000
251	PULLA SWETHA	19Q61E0052	7500
252	MOTHUKURI NAGESHWARRAO	19Q61E0053	15000
253	PUSHADAPU SIVA SANKAR	19Q61E0055	32500
254	K KULA SHEKHAR	18Q61E0021	1000
255	SIDDAGONI SAITEJA	18Q61E0041	22000
256	NEPURI MALLESHWARI	18Q61E0043	1000
257	SAMA VANDANA REDDY	18Q61E0044	7000
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259	TAMVADA PRADHYUMNA	18Q61E0047	2000
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261	TATI VENKATADRI NAIDU	18Q61E0049	7000
262	THATTI ANIKETH	18Q61E0050	2000
263	K VINAY KUMAR	18Q61E0053	4500
264	BADUGU PAVAN KUMAR	19Q61D5805	7000
265	TAKUR AJAY	19Q61D5809	17000
266	BATHULA SRAVAN KUMAR	19Q61D0716	7000
267	KANAKAM USHA KIRAN	19Q61D0717	7000
268	D SURYA PRAKASH	18Q61D5712	17000
269	D S CHANDANA	18Q61D5716	7000
270	ANITHA THORRA	18Q61D5808	7000

Total Students Count :270

Total Amount :Rs 57,61,750

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Avanathi Institute of Engineering and Technology

07/04/2020

To
Principal
AVIH
Gunturpally.

Application for Concession.

Jam P. Srinivas having Roll no: 19Q65A0231
studying IInd year. EEE LE-M since last month.
my family situation is very low stage.
for fee concession about 23000, so please
kindly requesting for concession kindly
accept my concession sir.

Thankyou sir



PRINCIPAL

Avanthi Institute of Engg. & Tech
Gunturpally (V), Abdullapurmet (Mdl) R.R. Dist

your's faithfully
P. Srinivas
IInd year EEE LE-M

19Q65A0231

Approved
D

06/03/2020

To
The principal

AVIH

Sub: Requesting for college fee concession.

Respected Sir,

I am Arikatla Sravani from II yr CSE-M bearing roll no: 18061A0543. I am writing this letter because my father is in bad health. So, I was unable to pay my college fee. My college fee due is 10000. So, please kindly accept my fee concession.

Thanking you sir.

Yours sincerely

Arikatla Sravani

II yr CSE-M

18061A0543


PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullaourmet (Mdl) R.R. Dist

Approved
5/3

21/04/2020

To,

The Director,

Avanathi Engineering Collage.

Sub - Requesting fee concession.

Respected Sir,

I am Rudraram Keerthi of Roll.no-17Q61A0483

of III Yr ECE-m. Sir recently my family is facing financial issues and is unable to pay the fee. So I am kindly requesting you to think my request regarding fee concession. My due amount is 12000.


Thanking You Sir.

Yours faithfully

Rudraram Keerthi

17Q61A0483

III Yr ECE-m


PRINCIPAL
Avanathi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Approved
BY

16/03/2020.

To.

The principal,

AVIH.

Gunthapally,

Sub: REQUESTING FOR FEE CONCESSION.

Requesting sir.

I am CHERUKUMALLI Vasu Babu. from second year
My Roll NO: 18Q61A05B3. I am one of your student in
your college. I request you to my fee concession due
to my health issues. So please cancel my Fee Amount

5000/-

Thanking you.



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Avanathi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Your faithfully,

CHERUKUMALLI Vasu Babu.

18Q61A05B3.

Approved


To

The Principal

AVIH

Gunthapally

Application for Fee Concession

I KALURUTEJA having Roll No. 19065A0221

Studying in II year EEE-LE-M unfortunately last week.

My father had died in bike accident Present our

family situation is very pathetic. So please kindly requesting

for fee concession about 20000/- I am hoping you that

grant permission for fee concession.

Thanking you.
Yours faithfully

K. Teja.

Roll No: 19065A0221

Handwritten signature

Handwritten signature

PRINCIPAL

Avanathi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl) R.R. Dist

20/04/2020

Date:- 9/4/2020

Thursday.

To
The principal
AVIH
Guntihapally

Sub:- requesting for fee Concession

Respected Sir

I am Silveru Ravikumar of IIIrd year from AVIH [EEE-M].
Roll no:- 17061A0217. I am requesting ~~for~~ fee
Concession for the due to financial problem of
my family & recently my whole family is
affected by the Covid-19 so present condition
we are financially weak we are unable to
pay my College fee. please sir kindly accept
my fee Concession, sir my due fee is 15000

Thanking you Sir

yours Sincerely

Silveru Ravikumar

EEE-M [IIIrd yr]

17061A0217


PRINCIPAL
Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Approved

✓

23/04/2020

To.
The principal,
AVIT.
Guntihapally.

Sub - Requesting for fee Concession.

Respected Sir,

I am Madagoni Saiteja studying in ~~IV~~-year
CE-m branch & Roll no - 16061A056. I'm requesting
for fee concession of amount - 4000/- because im suffering
from high fever & other health issues, So, kindly please
concess the fee amount if would help my hospitality
bill amount. Thank you

Approved
JJ


PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Your faithfully

M. Saiteja.

16061A056.

LETTER

15/04/2020.

TO ,

The principal,

Avanthi Institute of Engineering,

Sub: Requesting for free concession.

Requested Sir,

I am B. pranathi from MBA-I with Roll no:-
19Q61E0043. I am writing to request for the free concession
due to my father is busy in my sister's marriage function.
I will pay after the marriage sir. So, please kindly accept
my fee concession, my due fee is ₹ 5000.

Thanking you Sir.

Yours sincerely,

B.pranathi

MBA-I

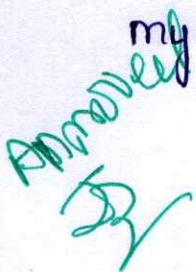
19Q61E0043.



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Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Approved


Date:- 17/4/2020

To,

The Principal,

AVIT

Sub:- Requesting for fee concession

Respected Sir,

I am Sakala Suchithra from MBA-II, my Rollno is 18061E0048. I am writing to request a fee concession for due to financial situation because recently my sister marriage is done so unable to pay the fee so for please kindly accept my fee concession sir, my due fee is 7,000

Thanking you

Approved
SR


PRINCIPAL

Avanathi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Yours faithfully
S. Suchithra
18061E0048
MBA-II

LETTER

25/04/2020,
Saturday.

To
The principal,
Avanthi Institute of Technology,
Hyderabad.

Respected Sir,

SUBJECT: Requesting for the college consition amount - Requesting and Regarding .

I am Cholloth Akanksha from Ind year ECE-M of bearing Roll NO:
18R61700453 studying in this college. I am unable to pay the college amount
10,000/- due to the my father health Issue but I wanted to continue my
Studies - so, please kindly grant me the permission,

Thanking you

Yours faithfully,
G. Akanksha,
Ind yr ECE-M,
18R61700453.



PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

LETTER

11/05/2020,
Monday.

To
The Respected Sir,
-AVH
Guntihapally,
Hyderabad.

Subject: Requesting the condision amount for the college requesting and regarding.

I am P. Akhila from IV-ECE-M Roll No: 16Q61A04B1. Sir I'm requesting you that please grant me permission for college fee I'm studying in Avanathi Institute of Engineering college. Due to the My mother Health issue. I can't able to pay the Money. So, please give condision money 5000 for the college fee. So, please kindly allow me to study.

Thanking you

Your's faithfully,

P. Akhila,

IV-ECE-M

16Q61A04B1.


PRINCIPAL

Avanathi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Md) R.R. Dist

Approved
52

06/03/2020.

TO
The Principal
AVIT.

Sub: Requesting for the fee concession
Respected sir.

I MD Ahimadh from IIIrd EEE-m having roll no:- 18Q65A0225
in our college. Sir here to request for fee concession due to
to the financial situation of my family. Because recently
"we lost ~~our~~ ~~our~~ our father his health issue was not
good because he had accident we tried to save him
but we lost our father. our financial condition is not
good we can't pay the fee, so sir please kindly requesting
you to fee concession of my due fee is 25,000.

Thanking you sir.

Yours sincerely,
MD. Ahimadh
IIIrd EEE-m
18Q65A0225

Approved



PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Date; => 27/02/2020

AUHT

TO,

The principal of AUHT.

I am N. Venkata Sai Krishna from (EEE) 2nd year
18061A0215. Sir request please help me sir. because I am unable
to pay fee (35,000) because my health is in critical condition.
So ~~much~~ there is no money at this time. So we are unable to
pay fee. So please grant me the concession sir.

Thanking you sir.

your's faith-fully.

N. Venkata Sai Krishna

18061A0215,

(EEE),

AUHT.

Approved
JJ

PRINCIPAL

Avanthi Institute of Engg. & Tech

Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

19/03/2020

To
The Principle.
AVIH
Gunthapally.


Sub: Requesting for fee concession.
Requested Sir.

I Polepally Nagasaju from IInd year, CSE-M.
my roll number 18061A05A1. I am requesting
you to about my fee concession amount 5000,
due to my bother marriage. So please grant
permission to cancel my fee.

Thank you

Yours faithfully
Polepally Nagasaju
18061A05A1

Approved
D


PRINCIPAL
Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (MdI) R.R. Dist

06/04/2020

Gunthapally,

To,
Principal Sir,
Avanthi Engineering college,
Gunthapally.

Subject: Requesting for fee concaation

I am M. SatyaNarayana of IVth Year, EEE, bearing the hall ticket number 17965 A0221. I am writing this letter requesting the Rs. 25,000 fee concaation from my tuition fees. Due to my family's financial problems we are facing many problems and I don't want to drop from my studies. Please consider my request.

Approved
JJ



PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl) R.R. Dist

Yours faithfully,
M. SatyaNarayana
17965 A0221

LETTER

26/03/2020,
Thursday

TO
The principal.

AVIH,
Guntihapally,
Ward 1, Hyderabad.

Subject:- Requesting the condision amount for the college requesting and regarding.

I am pelusi vanajakshi from IV-EEE-M Roll No: 16081A0227. Sir I'm requesting you that please grant me permission for college fee. I am studying in Avanthi Engineering college Due to the financial problem in the family. I'm unable to pay the condision fee amount 25,000 for the college fee. So, please kindly allow me to study.

Thanking you

Yours sincerely,
P. vanajakshi
IV EEE-M,


PRINCIPAL
Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Md) R.R. Dist

Approved
JP

Date : 23/3/2020

To
Respected sir (Principal)

I am C. Vikar (19065A0327) from 2nd
year Mechanical student. I am unable to pay
fee (30,000) my mother was expired due to
corona. We are unable to pay fee please
give me the concession sir

Thanking You Sir.

Approved
23

Yours faithfully
C. Vikar

19065A0327

Mechanical student

2nd year

AVITH


PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Date:- 27/03/2023

Friday.

To

The principal

Avanthi institute Engineering & technology
Gunthapally

Sub: requesting for fee Concession

Respected Sir

I am Mainampati Meghana Reddy of IInd year
[ECE-M] from AVIT Roll no: 18Q61A0461

I am requesting a fee Concession for the due
to financial problem we are unable pay my fee
because our affected by Covid-19 & my family
is financially not stable at current situation
Please Sir kindly accept my fee Concession, my
due fee is 15000

Thanking your Sir

Yours Sincerely
Mainampati Meghana
Reddy

Ece - M

18Q61A0461


PRINCIPAL
Avanthi Institute of Engg. & Tech.
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist

Approved
JJ

27/03/2020.

To,
The Principal
Auff.
Gunturapally.

Respected Sir,

I am K. Manikanta from 3rd year
Mechanical Bearing Roll No 18Q65A0330. This is

to inform you that I am unable to pay the fee.

As my father is suffering from health issue.
And he is admitted in hospital. Requesting you a

concession of 30,000. please accept my request

Sir.

Thanking you sir

Approved


Yours faithfully.

K. Manikanta

18Q65A0330.



PRINCIPAL

Avanthi Institute of Engg. & Tech
Gunturapally (V), Abdullapurmet (M.D.) Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

Gunthapally,

Date: 06-08-2020.

To

The Governing Body (GB),
Avanthi Institute of Engineering & Technology,
Gunthapally.

Sub:Letter of request sanction of Merit Scholarship amount from college budget.

Reference: 1. Avanthi Freeship Internal Policy.

Dear Sir/Madam

This is to request you please sanction amount of Rs. 96,000 for 32 students into the college budget for the academic year 2019-2020.

The details are also enclosed for your consideration

Thanking you sir

Yours faithfully,

PRINCIPAL

Avanthi Institute of Engg. & Tech
Guntihapally (V), Abdullapurmet (Mdl) R.R. Dist



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www.aietg.ac.in email:principal.avanthi@gmail.com

Merit Scholarship Students List with Amount Academic Year: 2019-2020

The following is the list of students 24 are selected from Avanthi Freeship Policy. As per the merit the academic toppers are selected and given among them will receive prizes, with the first topper awarded Rs. 5000 and the second topper receiving Rs. 3000.

S.No	Branch	Year	HALLTICKE T	NAME	MERIT	AMOUNT
1	CSE	II	18Q61A0523	MIRYALA VINAY	I	5000
2	CSE	II	18Q61A0588	PULIPATI SOUNDARYA	II	3000
3	ECE	II	18Q61A0407	BOGA KEERTHI	I	5000
4	ECE	II	18Q61A0423	MALLIKANTI SAI KRISHNA	II	3000
5	EEE	II	18Q61A0201	BEEMANI AJITHKUMAR	I	5000
6	EEE	II	18Q61A0220	VEMPATI SHIVANI	II	3000
7	MECH	II	18Q61A0301	G UDAY KIRAN REDDY	I	5000
8	MECH	II	18Q61A0305	VANGURI VIJAY KUMAR	II	3000
9	CSE	III	17Q61A0525	LAGGONI DIVYA	I	5000
10	CSE	III	17Q61A0503	AWRAD RAMYA	II	3000
11	ECE	III	17Q61A0422	GANAPURAM SOUMYA	I	5000
12	ECE	III	17Q61A0424	G SAI VAMSHIKA REDDY	II	3000
13	EEE	III	17Q61A0209	MARKONDA MUKESH CHANDRA	I	5000
14	EEE	III	17Q61A0211	NIDAMANURI YASWANATH	II	3000
15	MECH	III	17Q61A0308	JADAV KIRAN	I	5000
16	MECH	III	17Q61A0303	CHOLLETI SHASHANK	II	3000
17	CSE	IV	16Q61A0580	SUNITHA VINAYA UNNITHAN	I	5000
18	CSE	IV	16Q61A0540	NAGULAPATI THANMAYI	II	3000
19	ECE	IV	16Q61A0460	M LAKSHMI APOORVA KRISHNA	I	5000
20	ECE	IV	16Q61A0466	NARRA AISHWARYA	II	3000
21	EEE	IV	16Q61A0218	POGAKULA SANJEEV KUMAR	I	5000
22	EEE	IV	16Q61A0221	R.KOUSHIK REDDY	II	3000
23	MECH	IV	17Q65A0307	GADDAM SAI KISHORE NETHA	I	5000
24	MECH	IV	17Q65A0311	KALAKUNTLA SOWMYA	II	3000

Total Students : 24

Total Amount: Rs 96,000


PRINCIPAL
Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (M), R.R. Dist