Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020

Course Name - Engineering Mechanics Course Code - DEE203

- * You can submit the form ONLY ONCE.
- * Fill the following information for further process.
- * Required

1.	Email address *
2.	Name of the Student *
3.	Enter Full Student Code *
4.	Enter Roll No *
5.	Enter Registration No *
6.	Enter Course Code *

7. Enter Course Name *

8.	Select Your Programme *
	Mark only one oval.
	Diploma in Pharmacy
	Bachelor of Pharmacy
	B.TECH.(CSE)
	B.TECH.(ECE)
	BCA
	B.SC.(CS)
	B.SC.(BT)
	B.SC.(ANCS)
	B.SC.(HN)
	B.Sc.(MM)
	B.A.(MW)
	BBA
	B.COM
	B.A.(JMC)
	BBA(HM)
	BBA(LLB)
	B.OPTOMETRY
	B.SC.(MB)
	B.SC.(MLT)
	B.SC.(MRIT)
	B.SC.(PA)
	LLB
	PGDHM
	Dip.CSE
	Dip.ECE
	Dip.EE
	Dip.CE
	Dip.ME
	MCA
	M.SC.(CS)

•	Offine Assessment (Even Genth aren Examinations 2015 - 201
	M.SC.(ANCS)
	M.SC.(MM)
	MBA
	M.SC.(BT)
	M.TECH(CSE)
	LLM
	M.A.(JMC)
	M.A.(ENG)
	M.SC.(MATH)
	M.SC.(MB)
Αı	nswer all the questions. Each question carry one mark.
9.	1. The unit of force in C. G. S. units is
	Mark only one oval.
	kilogram
	N/m2
	watt
	None of these
10.	2. Forces are called concurrent when their lines of action meet in
	Mark only one oval.
	Four point
	two points
	plane
	None of these

11.	3. A force acting on a body may
	Mark only one oval.
	introduce internal stresses
	balance the other forces acting on it
	retard its motion
	All of these
12.	4. Effect of a force on a body depends upon
	Mark only one oval.
	magnitude
	direction
	position or line of action
	all of these
13.	5. The algebraic sum of the resolved parts of a number of forces in a given direction is equal to the resolved part of their resultant in the same direction. This is as per the principle of
	Mark only one oval.
	forces
	independence of forces
	dependence of forces
	resolution of forces

14.	6. Which of the following do not have identical dimensions?
	Mark only one oval.
	 Momentum and impulse Torque and energy Torque and work Moment of a force and angular momentum
15.	7. Which of the following is not the unit of pressure?
	Mark only one oval.
	kg/cm2 pascal atmospheric pressure Newton
16.	8. The weight of a body is due to Mark only one oval. centripetal force of earth gravitational pull exerted by the earth on an object from a definite height gravitational force of attraction towards the center of the earth
	forces experienced by body in atmospheric altitude

17.	9. Which of the following is not a scalar quantity?
	Mark only one oval.
	time
	mass
	volume
	acceleration
18.	10. A number of forces acting at a point will be in equilibrium if
	Mark only one oval.
	their total sum is zero
	two resolved parts in two directions at right angles are equal
	sum of resolved parts in any two perpendicular directions are both zero
	all of them are inclined equally
19.	11. According to law of triangle of forces
	Mark only one oval.
	three forces acting at a point will be in equilibrium
	three forces acting at a point can be represented by a triangle, each side being proportional to force
	if three forces acting upon a particle are represented in magnitude and direction by the sides of a triangle, taken in order, they will be in equilibrium
	if three forces acting at a point are in equilibrium, each force is proportional to the sine of the angle between the other two

20.	12. The units of moment of inertia of mass are
	Mark only one oval.
	kg m2
	m4
	kg/m2
	kg/m
21.	13. If the resultant of two equal forces has the same magnitude as either of the forces, then the angle between the two forces is
	Mark only one oval.
	30°
	60°
	90°
	120°
22.	14. In actual machines, mechanical advantage is velocity ratio
	Mark only one oval.
	Equal to
	Less than
	Greater than
	None of these

23.	15. Two coplanar couples having equal and opposite moments
	Mark only one oval.
	balance each other produce a couple and an unbalanced force are equivalent cannot balance each other
24.	16. The coefficient of friction depends on
	Mark only one oval.
	area of contact nature of surface rigidity of surfaces materials of surfaces
25.	17. The product of either force of couple with the arm of the couple is called Mark only one oval. resultant couple
	moment of the forces resulting couple moment of the couple

26.	18. The center of gravity of a uniform lamina lies at
	Mark only one oval.
	the center of heavy portion
	the bottom surface
	the mid-point of its axis
	all of these
27.	19. The center of gravity of a triangle lies at the point of
	Mark only one oval.
	concurrence of the medians
	intersection of its altitudes
	intersection of bisector of angles
	intersection of diagonals
28.	20. The C.C. of a right circular solid cope of height hilles at the following distance
20.	20. The C.G. of a right circular solid cone of height h lies at the following distance from the base
	Mark only one oval.
	h/5
	h/4
	none of these

29.	21. Pick up the incorrect statement from the following
	Mark only one oval.
	The C.G. of a circle is at its center
	The C.G. of a triangle is at the intersection of its medians
	The C.G. of a rectangle is at the inter-section of its diagonals
	The C.G. of a semicircle is at a distance 0.25 mm from its base
30.	22. Frictional force depends on
	Mark only one oval.
	surface area in contact
	roughness of surface
	both (surface area in contact) and (roughness of surface)
	none of these
31.	22 Angle of friction is the
31.	23. Angle of friction is the
	Mark only one oval.
	angle between normal reaction and the resultant of normal reaction and the limiting friction
	ratio of limiting friction and normal reaction
	the angle of inclined plane at which a a body just begins to slide down the plane
	none of these

32.	24. The ratio of limiting friction and normal reaction is known as
	Mark only one oval.
	coefficient of friction
	angle of friction
	angle of repose
	sliding friction
33.	25. A boat sails across a river with a velocity of 10 km/hr. If resultant boat velocity is 14 km/hr, then what is the velocity of river water?
	Mark only one oval.
	17.20 km/hr
	10 km/hr
	9.79 km/hr
	4.88 km/hr
34.	26. The rate of change of with respect to time is called as jerk
	Mark only one oval.
	displacement
	momentum
	acceleration
	None of these

35.	27. If a material has no uniform density throughout the body, then the position of centroid and center of mass are
	Mark only one oval.
	identical
	not identical
	independent upon the density
	unpredictable
36.	28. According to Lami's theorem, a body is in equilibrium condition if each force
	among three are proportional to sine angle between other two
	Mark only one oval.
	coplanar, collinear forces
	collinear, non-concurrent forces
	coplanar, non-concurrent forces
	coplanar, concurrent forces
37.	29. If a block returns to its original position after slight tilt then it is in state of
	Mark only one oval.
	unstable equilibrium
	neutral equilibrium
	weightlessness
	None of these

38.	30. Where will be the centre of gravity of a uniform rod lies?
	Mark only one oval.
	At its end
	At its middle point
	At its centre of its cross sectional area
	Depends upon its material

This content is neither created nor endorsed by Google.

Google Forms