

Name: _____		1 st YEAR Test Session				Physics				Time Allowed: 45 M					
Roll# _____		Section: _____		1 st YEAR Test Session 2021-22				Total Marks: 30				Obt Marks: _____			

Think Positive , Live Happy

Change Thoughts , Change Society

Q#	A	B	C	D	Q#	A	B	C	D	Q#	A	B	C	D	Q#	A	B	C	D	Q#	A	B	C	D																									
01.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	02.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	03.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	04.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	05.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	06.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	07.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	08.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	09.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q. No. 1 You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, Fill bubble sheet that option. Cutting, Over-writing, using lead pencil and filling more than one circle will result in zero marks in that question. (10x1=10)

Sr.#	Questions	A	B	C	D
1	Regular and steady flow of fluid is called	Turbulent flow	Steady flow	irregular	Both a b
2	Fluid is non viscous if.....is zero	Internal force	density	volume	Pressure
3	If pressure is decrease them velocity will be	zero	increase	decrease	Both a c
4	High blood pressure is also known as	systolic	diastolic	pitch	None
5	Value of diastolic pressure is	120torr	130torr	105torr	75-80toor
6	If streaming lines are close to each other then velocity will be	small	large	none	Both
7	Unit of drag force is	newton &	joule	pascal	Watt
8	Area having relation with velocity	Direct	inverse	No relation	None
9	Principal of Bernoulli's equation base on law of conservation of	energy	mass	momentum	Charge
10	Is there acceleration due to terminal velocity	yes	no	May be	None

Q#:2 Answer the Following short Questions (6x2=12)

i. What is meant by drag force and what are factors upon which drag force acting?	ii. Difference between systolic and diastolic pressure?
iii. Difference between laminar flow and turbulent flow?	iv. State Torricelli's theorem?
v. If a person is standing near a fast moving train is there any danger for him?	vi. Define terminal velocity and its unit?

Q#:3 Answer the Following short Questions (5+3=8)

(a) State and explain Bernoulli's equation in detail?
(b) Water flows through a house whose internal diameter is 1cm at a speed of 1ms^{-1} what should be the diameter of the nozzle if the water is to emerge at 21ms^{-1}