CLASSIC STUDY

Name of Student		Class	Subject		Board		Chapter
		9th	Physics		(F.B)		01
Date :			Subjective			Teacher Remarks	

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Knowledge gained through observation and experimentation is called.						
a	Physics	b	Biology	c	Chemistry	d	science
ii	Femto equals to						
a	10^{-9}	b	10^{-15}	c	10^{-12}	d	10^{-18}
iii	Distance of moon from earth is						
a	3.84×10^{7m}	b	$3.84 \times 10^{8}m$	c	$3.84 \times 10^{18}m$	d	$3.84 \times 10^{7}m$
iv	Least count of Vernier Caliper is_____ cm.						
a	0.01	b	0.001	c	0.0001	d	0.1
v	Least count of Digital Vernier Caliper is_____ cm.						
a	0.01mm	b	0.0001mm	c	0.001mm	d	0.01mm
vi	Unit of charges is						
a	Coulomb	b	Pascal	c	Newton	d	Cubic meter
vii	Unit of force is						
a	Cubic meter	b	Pascal	c	Newton	d	Coulomb
viii	One micro equal to						
a	10^{-4}	b	10^{-6}	c	10^{-5}	d	10^{-7}
ix	An interval of 200 *us* equalant TO						
a	0.25	b	$2 \times 10^{-6}s$	c	$2 \times 10^{-4}s$	d	0.025
x	One micro equals to						
a	10^{-4}	b	10^{-6}	c	10^{-5}	d	10^{-7}
xi	Unit of force is						
a	Cubic meter	b	Pascal	c	Newton	d	Coulomb
xii	Unit of charge is						
a	Coulomb	b	Pascal	c	Newton	d	Cubic meter

CLASSIC STUDY

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

i.   What are science and natural philosophy?

ii.   Define base and derived quantities?

iii. What is scientific notation, give example?

iv.   What is digital Vernier caliper? Write its least count?

v.   Name any six branches of physics?

vi.   What are physical quantities?

vii. What is stopwatch? Write its types

viii. Define prefixes and their types?

ix.   What are significant figure?

x.   What is lord kelvin statement?

xi.   What is system international?

xii. What are Andromeda and Hubble space telescope?

xiii. Write least count of Vernier Caliper in millimeter and centimeter?

xiv. Write least count of screw gauge in millimeter and centimeter?

xv.

xvi.

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a) what is physics? Explain branches of physics?

Q. No.4:-   a) Define Base unit and list various base quantities with unit and symbol?

Q. No.5:-   a) what is screw gauge? Write its

               b)Pitch

               c)Least count

               d) Zero error

               e) Types of zero error

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	02
Date :	Subjective			Teacher Remarks

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Who noticed that all freely falling objects have same acceleration							
a	Newton	b	Einstein	c	Galileo	d	Faraday
ii	2gh=							
a	$vf-vi^2$	b	$vf-vi$	c	vf^2-vi	d	vf^2-vi^2
iii	Deceleration is also called							
a	Positive acceleration	b	Retardation	c	Positive acceleration	d	Velocity
iv	Rat of change of velocity called							
a	Acceleration	b	Declaration	c	Uniform acceleration	d	Retardation
v	V=d/t so what would be d							
a	V=dt	b	V=dT	c	T=vd	d	D=vt
vi	Paratrooper attains a uniform velocity is called							
a	No velocity	b	Velocity	c	Linear velocity	d	Terminal velocity
vii	Cheetah can run at a speed of							
a	$700kmh^{-1}$	b	$7kmh^{-1}$	c	$70kmh^{-1}$	d	$7.25kmh^{-1}$
viii	Falcon can fly at a speed of							
a	$2000kmh^{-1}$	b	$200kmh^{-1}$	c	$20kmh^{-1}$	d	$2kmh^{-1}$
ix	Motion of pendulum is called							
a	Circular motion	b	Motion	c	Vibratory motion	d	rest
x	Irregular motion of object is called							
a	Random motion	b	Circular motion	c	Translator motion	d	Linear motion
xi	Passengers in a moving bus are in_____ w.r.t trees outside.							
a	Motion	b	Rest	c	No motion	d	Linear motion
xii								
a		b		c		d	

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	02
Date :		Subjective		Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

  i.   What is motion and write types of motion?
 ii.   Define the term, linear motion, and circular motion?
iii.   Write difference between motion and rest?
 iv.   Write note on speed and uniform speed?
  v.   What do you know about velocity?
 vi.   A sprinter completes its 100 meter race in 12s find its average speed.
vii.   What is acceleration? List their types.
viii.   A car traveling at 10, s^{-1} accelerates uniformly at 20ms^{-1} calculate velocity after 5s.
 ix.   Write a note on gradational acceleration?
  x.   List three equations of motion for bodies moving under gravity?
 xi.   What is vibratory motion and give example?
xii.   What is kinematics?
xiii.   How paratrooper comes to ground?
xiv.   Car starts from rest its velocity becomes 20ms^{-1} in 8s find its acceleration?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:- a)   proved that, $2as = vf^2 - vi^2$
            b)   A train slows down from 80 kmh^{-1} with uniform acceleration of 2 ms^{-2} how long it will take to attain a speed of 20 kmh^{-1}?

Q. No.4:- a)   convert 1ms^{-1} to kms^{-1}?
            b)   Convert 1ms^{-1} to ms^{-1}?
            c)   Convert 1ms^{-2} to kmh^{-2}?
            d)   Convert 1ms^{-2} to kmh^{-2}?
            c)   What is random motion?

Q. No.5:- a)   Distance time graph, when body is at rest?
            b)   Distance time graph showing constant speed?
            c)   Distance time graph, showing variable speed?

CLASSIC STUDY

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	F=_____							
a	Ma	b	Fa	c	Mvx	d	Fm
ii	Centripetal force is always directed towards the							
a	Radius	b	Diameter	c	Point	d	Center
iii	Wheels of a moving vehicles have_____velocity components.							
a	02	b	03	c	04	d	05
iv	f_c=_____							
a	mv^2/r	b	mr^2/v	c	m/v^2r	d	mv/r
v	cyclist keeps on pedaling to overcome							
a	Force	b	Friction	c	Momentum	d	Velocity
vi	Spring balance is used to measure.							
a	Mass	b	Acceleration	c	Velocity	d	force
vii	To every action there is always an equal but_____ reaction.							
a	Reverse	b	Same	c	Force	d	Opposite
viii	Net force is the resultant of all_____ action on a body							
a	Velocities	b	Acceleration	c	Forces	d	Momentum
ix	Momentum is equal to							
a	$Kgms^1$	b	$Kgms^{-2}$	c	$Kgms^{-1}$	d	$Kgms^2$
x	Study of motion of an object and the cause of its motion is called.							
a	Dynamics	b	Light	c	Sound	d	Kinematics.

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	03
Date :		Subjective		Teacher Remarks

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Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

i.   Define momentum write its formula?
ii.   State newton's second law of motion?
iii.   Write three methods of removing friction?
iv.   What is centripetal forces write their formula?
v.   What is inertia?
vi.   Write advantages of friction?
vii.   Write differences between mass and weight?
viii.   Bullet of mass 20g is fired from a gun with a muzzle velocity 100 ms^{-1} find the recoil of the gun if its mass is 5 kg.
ix.   Define fragile objects?
x.   Why air enclosed in the cavities of fragile objects?
xi.   Find the acceleration that is produced by 20N force in a mass of 8 kg?
xii.   When bus taken a sharp turn, passengers fall in the outward direction, why?
xiii.   What is net force?
xiv.   Stone of mass 100g in attached to a string 1m long, the stone is rotation in a circle?
xv.   Define weight?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a)   define, Coaster cars swing
             b)   Centrifugal force
             c)   Sliding friction
             d)   Weight?
             f)   Isolated system?

Q. No.4:-   a)   state and explain law of conservation of momentum with example?
Q. No.5:-   a)   what do you know about banking of road?
             b)   write short note on cream separator?

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	04
Date :	Subjective			Teacher Remarks

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	$\theta = tan-1 ?/Fx$							
a	F_y	b	F	c	F_0	d	F_x
ii	Sing 90=_____							
a	1	b	2	c	0	d	3
iii	To loosen, nut is turned.							
a	Anticlockwise	b	Upward	c	Clockwise	d	Downward
iv	Vehiclesare made heavy at the.							
a	Top	b	Bottom	c	Edge	d	Centre
v	If no net force acting on a body, body is said to be.							
a	Equilibrium	b	Stable equilibrium	c	Natural equilibrium	d	Un stable equilibrium
vi	To lighten nut is turned,							
a	Upward	b	Clockwise	c	Downward	d	anticlockwise
vii	Door is open or closed due to turning effect of							
`	Axis	b	Moment arm	c	Force	d	Torque
viii	Turning effect of force is called							
a	Equilibrium	b	Force	c	Axis	d	Torque
ix	If base and perpendicular of right angled triangle is 4 cm and 3 cm so what would be hypotenuse							
a	6cm	b	7cm	c	5cm	d	8cm
x	Tan 90° = _____							
a	0	b	1	c	2	d	∞
xi	Force which are parallel to each other called_____ forces							
a	Parallel	b	Similar	c	Coincident	d	perpendicular

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	04
Date :	Subjective			Teacher Remarks

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Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

    i.   Define, like parallel forces, Unlike parallel forces

    ii.   What are resolution of forces and perpendicular components?

    iii.   Write formula of $\sin\theta$,$\cos\theta$, $tan\theta$?

    iv.   Define torque and moment arm?

    v.   What is center of gravity?

    vi.   Define couple?

    vii.   Why vehicles are made heavy at the bottom?

    viii.   Block of weight 10N is hanging through a cord. Find the tension in the cord?

    ix.   What is rigid body?

    x.   Why it is easy to open and close the door by pushing it at its handle?

    xi.   Two children are sitting on the season, such that they can't swing, what is the net torque in this situation?

    xii.   Does the fan satisfy second condition for the equilibrium, when rotation with uniform speed?

    xiii.   Is there any case when body is at rest but not in equilibrium?

    xiv.   What happens when cyclist pushes pedals of bicylee?

    xv.   Define axis of rotation?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a)   Define and explain equilibrium with condition?

                b)   When a body is said to be in equilibrium?

Q. No.4:-   a)   Define the following.

                b)   Center of gravity?

                c)   Principle of moment

                d)   Head to tail rule

                e)   Parallel forces?

                f)   What is the value of $\sin 60^{o}$?

Q. No.5:-   a)   list the center of gravity of some symmetrical object?

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	05
Date :	Subjective			Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

xv. What is idea of newton about revolving of planet?

xvi. Write relation of law of gravitation and newton third law of motion?

xvii. Define field force?

xviii. Define gravitational field straight?

xix. What is relation between gravitation field strength and value of g?

xx. Value of acceleration due to gravity depends on?

xxi. Define geostationary satellite?

xxii. What do you know about GPS?

xxiii. What is satellite?

xxiv. Why centripetal force is necessary for satellite?

xxv. Why do you know about moon?

xxvi. Write the importance of artificial satellites?

xxvii. Does an apple attract the earth toward it?

xxviii. With what force an apple weighing 1N attracts the earth?

xxix. Value of g on the surface of a celestial object depends upon?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:- a) define and explain law of gravitation?

b) Two lead spheres each of mass 100kg are kept with centers 1 m apart. Find gravitational force?

Q. No.4:- a) what do you know about mass of earth?

Q. No.5:- a) Calculate the value of 'g' acceleration due to gravity at altitude 1000km, The mass of earth is 6.0×10^{24} kg, radius of earth is 6400 km.

b)

c)

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	06
Date :		Subjective		Teacher Remarks

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Js^{-1} equal to							
a	Acceleration	b	Velocity	c	Energy	d	watt
ii	1MW equal to							
a	10^{-6}W	b	10^{-3}W	c	10^{+6}W	d	10^{-4}W
iii	Speed of light is.							
a	3.4×10^8 m^{s-1}	b	3×10^8 m^{s-1}	c	0.2×10^8 m^{s-1}	d	2×10^8 m^{s-1}
iv	E=m?							
a	c^2	b	c	c	d	d	b
v	Heating system consist of following steps?							
a	3	b	0.3	c	4	d	4.5
vi	Solar energy can also be converted directly into electricity by cell							
a	Mercury	b	Solar	c	Battery	d	lunar
vii	In nuclear power plants, we get energy as a result of reaction							
a	Nuclear	b	Hydro	c	Fission	d	Fusion
viii	P.E=wh=?							
a	mh	b	m+gh	c	mg	d	mgh
ix	Mechanical energy possessed by a body is of following types?							
a	4	b	5	c	3	d	2
x	Unit of work is called							
a	Work	b	Energy	c	Joule	d	Kinetic energy
xi	Work done time taken=?							
a	Mass	b	Power	c	Velocity	d	Acceleration
xii	W=?							
a	F_s	b	F_l	c	F_m	d	f_n

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	06
Date : _____		Subjective		Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

xvi. Define work and write its formula?

xvii. What is energy and write its types?

xviii. List forms of energy?

xix. What do you know about nuclear power plants?

xx. Why pole vaulted uses flexible vaulting pole?

xxi. Heating system consist of how many parts?

xxii. Define the power?

xxiii. Cyclist does 12 joules of useful work while pedaling his brisk, from every 100 jouls of food energy which he takes, what is his efficiency?

xxiv. What do you know about nonrenewable resources?

xxv. What is an efficiency?

xxvi. What do you know about hydro energy?

xxvii. Define joule?

xxviii. Which is gained by vaulted?

xxix. Define solar cells?

xxx. What is potential energy?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:- Define the following?

    a) Kinetic energy

    b) Light energy?

    c) Watt?

    d) KW and MW?

    e) Inter conversion of energy

  b) Calculate the power of a pump which can lift 70 kg of water through a vertical height of 16 meter in 10s. Also find the power in horse power?

Q. No.4:-   a) what do you know about chemical and nuclear energy?

    b) A man m_1 takes 80s in lifting a load of 200N through a height of 10m, while another man m_2 takes 10s in doing the same job find the power of each?

Q. No.5:-   a) Why our body takes energy?

    b) force of 200N acts on a body of mass 20kg, the force acceleration the body from result until it attain a velocity of $50ms^{-1}$ through what distance the force acts?

    c) What is fossils fuel?

CLASSIC STUDY

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Atmospheric pressure acts in _____ direction					
a	Two	b	None	c	One	d	all
ii	Ratio of change in length to original length called.					
a	Stress	b	Tensile stress	c	Tensile strain	d	Stress
iii	Ratio between stress and strain called.					
a	Young's law	b	Young s modulus	c	Modules strain	d	Stress
iv	Liquid also exert pressure given by					
a	Pgh	b	Pg	c	Ph	d	P+ph
v	What is plasma					
a	State of matter	b	Air	c	Gas	d	Water
vi	Unit of young's modulus is					
a	Nm^{+2}	b	Nm^{-2}	c	Nm^{+1}	d	Nm^{-1}
vii	How many state is matter					
a	2	b	1	c	3	d	4
viii	Stress ∞					
a	Strain	b	Struin	c	Strain	d	strine
ix	$1NM^{-2}$=?					
a	3 pa	b	0.1pa	c	2pa	d	1pa
x	1000 kgm^{-3} =					
a	$1 gcm^{+3}$	b	$1 gcm^{-6}$	c	$1 gcm^{-3}$	d	$1 gcm^{+6}$
xi	Mass per unit volume is substance is called?					
a	Pressure	b	Density	c	Force	d	time
xii	Unit of pressure is called.					
a	Pascal	b	Meter	c	Newton	d	second

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	07
Date :		Subjective		Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

xvi.   What do you know about plasma?

xvii.   Define density?

xviii. List few density equations?

xix.   What is pressure?

xx.   What is purpose of fan in vacuum cleaner?

xxi.   Define Pascal's law?

xxii.   Draw graph between force and extension?

xxiii. What is young's modulus?

xxiv.   Define stress?

xxv.   What is hydrometer?

xxvi.   List few application of Pascal's law?

xxvii. What is retaliation between piston and pressure?

xxviii. Write states of matter?

xxix.   Write following, 1 Litter=?, $1cm^3$=?

xxx.   What is density?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a)   define and explain Archimedes principle?

b)   A wooden cube of sides 10 cm has been dipped completely in water. Calculate the up thrust of mater acting on it?

Q. No.4:-   Define the following.

a)   Strain

b)   Elasticity

c)   Tensile strain

f)   Principle of floatation?   G)   Hooks law?

Q. No.5:-   a)   what do you know about earth's atmosphere?

b)   The mass of 200 cm^3 of stone is 500g, find its density

c)   `List the following features of pressure?

i)   Barometer

ii)   What is atmospheric pressure at sea level?

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	0 8
Date :	Subjective			Teacher Remarks

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Water on cooling below _____ expands?							
a	0^0c	b	2^0c	c	3^0c	d	4^0c
ii	$\beta r = \beta a +?$							
a	αg	b	χa	c	βg	d	χg
iii	What is another name of Freon gas?							
a	Ammonia	b	CFC's	c	Uv	d	Methane
iv	Latent of vaporization is denoted by?							
a	Hv	b	hv	c	H+v	d	H ×v
v	Latent het of fusion o ice is _____ jk^{-1}.							
a	3.36×10^5	b	3306×10^5	c	336×10^5	d	0.336×10^5
vi	$\Delta Qt=m\times?$							
a	hf	b	Hf	c	H+f	d	h/f
vii	Specific heat of water is _____ $kg^{-1}k^{-1}$							
a	4.200	b	420	c	42000	d	42000
viii	$C= \Delta Q/?$							
a	$M+\Delta t$	b	$m\Delta$	c	$m\times t$	d	$m\Delta t$
ix	Clinical thermometer used to measure _____ temperature							
a	Atmospheric	b	Normal	c	Animal body	d	Body human body
x	Which of following is natural thermometer?							
a	Cous flower	b	Crocus flower	c	Crus flower	d	Cous flower
xi	Degree of hotness or coldness of body called.							
a	Temperature	b	Equilibrium temperature	c	Thermal contact	d	Thermal equilibrium
xii	T(k)=273+?							
a	a	b	b	c	c	d	s

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
			(F.B)	Model paper No 8
Date :		Subjective		Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

   i.   What do you know about natural thermometer?
   ii.   Define temperature?
   iii.   List few properties of liquid thermometer should be?
   iv.   What do you know about clinical thermometer?
   v.   Write name of scales of temperature, which are common?
   vi.   What do you know about clinical thermometer?
   vii.   Define specific heat?
   viii.   What is heat capacity?
   ix.   Define evaporation?
   x.   What do you know about change of state of matter?
   xi.   What is anomalous expansion?
   xii.   What do you know about bimetallic thermometer?
   xiii.   What is will be temperature on Kelvin scale of temperature, when it is 20^0 on Celsius scale?
   xiv.   Why gaps are left in railway tracks?
   xv.   Why wire on electric poles are given some sag?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   Define following?

        A)   latent heat of fusion?
        b)   Latent heat of vaporization?
        c)   Why wet clothes dry up more quickly in summer?
        d) What is thermal expansion?

Q. No.4:-   Define the following

        a)   Heat
        b)   Thermometer
        c)   Common thermometer
        d)   Thermal coefficient of linear expansion?

Q. No.5:-   a)   what is central heating system?
        b)   Convert 100^0 F into temperature on Celsius scale?
        c)   What is unit of specific heat? List specific heat of water and dry soil?

CLASSIC STUDY

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Unit of thermal conductivity is							
a	$Wm^1 k^{-1}$	b	$Wm^{-1}+k^{-1}$	c	$Wm^{-1} k^{-1}$	d	$Wm^{-1} k^{-1}$
ii	Rate of flow of the heat=Q/?							
a	$t \times t$	b	t-t	c	t	d	t/t
iii	Water is poor							
a	Insulator	b	Conductor	c	Compound	d	Element
iv	Handles of cooingproduct are made of							
a	Insulator	b	Iron	c	Conductor	d	Steel
v	Cold breezes are example of							
a	Convection	b	Expansion	c	Conduction	d	Radiation
vi	Gases also_____ on heating							
a	Contract	b	Expand	c	Thinner	d	Thicker
vii	Does land breeze blow from land							
a	No	b	Not sure	c	Yes	d	None of on
viii	How many faces of leslies cube							
a	2	b	03	c	04	d	none
ix	Land breezes are example of							
a	Radiation	b	Conduction	c	Expansion	d	Convection
x	How many ways of transfer of energy or heat?							
a	03	b	04	c	02	d	08
xi	$Q/t\infty$							
a	L/1	b	1/L	c	$l \times t$	d	1+L

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	1st Half
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Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

xvi.   Define transfer of heat?

xvii.   List way by which transfer of heat takes place?

xviii.   Define conduction of heat?

xix.   Why handles of cooking utensils are made of insulator?

xx.   Define convection?

xxi.   What is relationbetween gliders and thermals?

xxii.   What do you know about Leslies cube?

xxiii.   What do you know about radiation?

xxiv.   Rate at which radiation are emitted depends upon?

xxv.   What is global warming?

xxvi.   What is thermos flask?

xxvii.   What materials trap air?

xxviii.   What is land breeze?

xxix.   What is sea breeze?

xxx.   Which substances are used for quick transfer of heat?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a)   what are thermal climbers>

                b)   List three uses of conductor?

                c)   In which form heat reaches us from fire places?

                d)   What is unit of thermal conductivity?

Q. No.4:-   a)   what do you know about Styrofoam boxes?

                b)   Define thermal conductivity?

                c)   Are insulators good conductor of heat?

Q. No.5:-   a)   list five uses of insulator?

                b)   How does the temperature in greenhouse can be maintained?

CLASSIC STUDY

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	F=__							
a	m	b	a	c	ma	d	Ma
ii	Tanθ Is ratio between perpendicular and _____							
a	Hypotenuse	b	A and b	c	Base	d	None of these
iii	Net forces is resultant of all_____ acting on body							
a	Forces	b	Momentum	c	Acceleration	d	A,C
iv	Mv=-m(?)							
a	1	b	v	c	m	d	|A and C
v	P=_____ or momentum=_____							
a	V	b	m	c	Mv	d	mv
vi	Vf=vi+g(?)							
a	m	b	l	c	t	d	T
vii	51 kmh^{-1} =_____							
a	13386ms^{-1}	b	13.86ms^{-1}	c	12.86ms^{-1}	d	12.88ms^{-1}
viii	A sprinter complete its 100m race in 12s find its average speed?							
a	8.33 ms^{-1}	b	8.35 ms^{-1}	c	8.34 ms^{-1}	d	8.36 ms^{-1}
ix	Vector quantity require?							
a	Unit	b	Magnitude	c	Direction	d	Magnitude and direction
x	Random motion is type of_____ motion							
a	Linear	b	Circular	c	Translator	d	To and fro
xi	1000 cm^3 is equal to_____							
a	One	B	Three	C	Two	D	Four
xii	Atto equals to_____ l							
a	10^{-16}	b	10^{-18}	c	10^{-14}	d	10^{-12}

CLASSIC STUDY

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	2nd Half
Date :		Subjective		Teacher Remarks

Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

i.   Define force of gravitation?
ii.   What is couple?
iii.   List formulae of $\sin\theta, \cos\theta, \tan\theta$?
iv.   What is the value of $\sin\theta 90^0$?
v.   Write method to reduce friction?
vi.   Write law of conservation of momentum?
vii.   What is newton third law of motion?
viii.   Write equation of motion for bodies moving under gravity?
ix.   Define negative accretion and list its name?
x.   What is LIDAAR?
xi.   Define to and fro motion and write speed of falcon?
xii.   Define physical quantities and list its types?
xiii.   What are screw gauge and physical balances?
xiv.   What are significant figures?
xv.   Define prefixes?
xvi.

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:-   a)   write at least eight prefixes with their multiplier?

Q. No.4:-   Define the following
             a)   Acceleration
             b)   Velocity
             c)   Positive velocity
             d)   Uniform velocity?
             e)   Displacement?

Q. No.5:-   a)   Define momentum?
             b)   Define rolling friction and circular motion?
             c)   What is resolution of vector?

CLASSIC STUDY

Section - A

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Boiling point of water is_____							
a	373K	b	273K	c	98^0C	d	100^0c
ii	Specific heat of zinc is_____ $JKg^{-1}k^{-1}$							
a	386	b	385	c	387	d	388
iii	What is unit of specific heat?							
a	$JKg^{-1}k^{-1}$	b	JK	c	JKg^{-1}	d	Jk^{-1}
iv	Moving body is_____energy.							
a	Electric	b	Light	c	Potential	d	kinetic
v	Unit of pressure is							
a	N	b	m	c	Pascal	d	nm
vi	Nano meter equal to							
a	10^9m	b	$10^{-9}m$	c	10^6m	d	$10^{12}m$
vii	Density of ice is							
a	900	b	890	c	910	d	920
viii	How many state of matter							
a	3	b	2	c	4	d	1
ix	Complete the equation E=m_____							
a	C^2	b	ca	c	C	d	ac
x	Define work and write its unit							
a	Joule	b	Pascal	c	Newton	d	meter

Name of Student	Class	Subject	Board	Chapter
	9th	Physics	(F.B)	Full Book
Date :		Subjective		Teacher Remarks

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Section - B

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

i. Define work and write its unit?
ii. List types of energy?
iii. Define efficiency with formulates?
iv. What is power and define its unit?
v. Write the names of states of matter?
vi. Write few density equations?
vii. Write Pascal's law?
viii. What is Hooke's law
ix. What is crocus flower?
x. Define clinical thermometer?
xi. What is heat capacity?
xii. Define density?
xiii. What do you know about sty foam boxes?
xiv. A body of mass 50kg is raised to a height of 3cm what is its potential energy?
xv. Convert 50^0C on Celsius scale into Fahrenheit temperature scale?

Section – C

Note: Attempt any two questions. All question carry equal marks.

Q. No.3:- define the following.
   a) Conduction
   b) Rate of flow of heat
   c) Thermal conductivity
   d) Convection?
   e) Weight

Q. No.4:- a) what is principle of floatation?
   b) What is young's modulus?
   c) Define Archimedes principle?

Q. No.5:- a) list form of energy?
   b) A force of 20N acts on a body of mass 50 kg the forces acceleration the body from rest until it attains a velocity of 50 ms^{-1} though what distance the force act

_____Best of luck_____