

Most Important Guess Paper 2025

"یہ گیس پیپر اتنا اہم ہے کہ آپ کی محنت اور یہ سوالات آپ کو کامیابی کی بلندیوں تک پہنچائیں گے، انشاء اللہ! ان کو اچھی طرح تیار کر لیں۔"

Chapter No # 1

Electronic and physical balance, mechanical and digital stopwatch, least count with three examples, base and derived units, zero error with positive and negative zero error, scientific notation and prefixes with example, plasma, Geo, atomic and nuclear physics, physics and its advantages, vernier caliper, measuring cylinder, Stop watch and how it works? safety rules, **significant figures and its 4 rules (S.Q + L.Q)**

Exercise Questions: 1.2, 5, 6, 7, 9, 11, 13

Chapter No # 2

Types of motion (S.Q+L.Q) M.IMP, distance and displacement, scalar and vectors, **Representation of vectors(S.Q+L.Q)**, rest and motion, kinematics, **Motion of freely falling bodies (S.Q+L.Q)** speed in uniform speed, velocity in uniform velocity, acceleration and uniform acceleration, positive and negative acceleration, LIDAR gun, variable speed, Example of a body which is at rest and motion at the same time? Terminal velocity, **Problem 2.1**, convert Kmh^{-1} to msec^{-1}

Exercise Questions: 2.3, 5, 6, 10, 11

Chapter No # 3

Dynamics and law of inertia, banking of road, **advantages and disadvantages of friction and methods to reduce it (S.Q + L.Q) M.IMP**, Atwood machine, coefficient of friction and limiting friction, all the card flaks away the coin why? Net force, Uses of seatbelts, Why rolling friction is less than sliding friction? **Difference between mass and weight M.IMP (S.Q + L.Q). Problem 3.1, 3.2 (S.Q + L.Q).**

Exercise Questions: 3.2, 3, 5, 6, 7, 11, 12, 13, 19 **Example 3.1 (S.Q+L.Q).**

Chapter No # 4

Resultant force, resolution of forces and rectangular components, line of action of force and moment arm, axis of rotation, torque, principle of moments, couple and rigid body, stable unstable and neutral equilibrium, parallel forces and write its types. Clockwise and anti-clock wise moment, Equilibrium

Exercise Questions: 4.5, 6, 8, 9, 10, 11, 13

Chapter No # 5

Gravitational field and its strength, field force, GEO stationary satellite and orbit, GPS, G and g difference, why communication satellite appears stationary, artificial satellites and use

Exercise Questions: 5.2, 6, 8, 12, 13, 14, 16

Chapter No # 6

Renewable and non-renewable resources, electrical and light energy, **energy from biomass and sun (S.Q + L.Q)**. soil erosion, fossil fuels with its advantages? Power and watt, Efficiency, geothermal energy, How energy is converted? Fossil fuels with its disadvantages, Fission reaction, **Problem 6.1, 6.2 (S.Q + L.Q)**.

Exercise Questions: 6.2, 3, 4, 5, 8, 9, 10, 11, 12

Chapter No # 7

Plasma and its properties, Kinetic molecular model, atmospheric pressure, principle of floatation, Archimedes principle, barometer, density and pressure with its units, stress strain and elasticity, two properties of solid, liquid and gases, upthrust force, Deforming force, Why stone sink in water but ship float? Barometer, Hydrometer and acid meter,

Exercise Questions: 7.5, 8, 10, 12, 15, 17, 22

Chapter No # 8

Thermal equilibrium, internal energy and its factors, bimetallic strip, lower and fixed point, use of clinical thermometer, why gaps are left in railway tracks? anomalous expansion of water, evaporation and name its factors, absolute zero, latent heat of fusion and vaporization, natural thermometer, Mini exercise Page 182, how cooling is produced in refrigerator? **Problem 8.1, 8.2 (S.Q + L.Q)**.

Exercise Questions: 8.2, 3, 5, 6

Chapter No # 9

Gliding, rate of flow of heat, sea breeze, ways to transfer heat? What you know about Styrofoam? Why bottom of cooking pot is black? Thermon flasks, thermal conductivity with equation, thermal climbers, wear white and light color cloths in summer why? Conduction convection and radiation, why land breeze blows in night? Greenhouse effect and global warming

Exercise Questions: 9.2, 3, 4, 5, 6, 7, 9, 11

Most Important Long Questions



Chapter No # 1

Significant figure and its rules, Stop watch, its types and how we can use stop watch?

Chapter No # 2

Distance time graph, **Equations of Motion ALL IMP But 2nd and 3rd (M. IMP)**

Chapter No # 3

Newton laws of motion ALL (M. IMP), How can you relate the change of momentum of a body? Centripetal force, **Law of conservation of momentum (M. IMP)**

Chapter No # 4

Resolution of forces (M. IMP), centre of gravity of an irregular shaped lamina, **states and conditions of equilibrium (M. IMP)**

Chapter No # 5

Law of gravitation, mass of earth (M. IMP), orbital velocity of artificial satellites

Chapter No # 6

Kinetic and potential energy (M. IMP), Non-renewable sources of energy, solar heating system

Chapter No # 7

Formula to find the pressure of liquids. Pascal law with hydraulic press & Braking system (M. IMP),
Archimedes principle (M. IMP), young's modulus

Chapter No # 8

Evaporation and its factors (M. IMP), Linear and volume thermal expansion (M. IMP)

Chapter No # 9

Thermal conductivity (M. IMP), Greenhouse effect

Most Important Long Questions Numerical

Chapter No	Example No	Numerical No	Chapter No	Example No	Numerical No
2	5, 10, 11, 12, 13	2, 3, 4, 6, 8	6	1, 2, 4, 5	4, 6, 7, 8, 9
3	2, 6, 7, 8	3, 5, 8, 9, 10	7	3, 4, 7	1, 4, 5, 6, 8
4	2, 3	2, 3, 4, 5, 6, 9	8	4, 5, 6	5, 7, 9
5	1, 2	2, 3, 4, 5, 6, 8			

Long Questions Pairing

Questions No	Chapter No
5	1 + 4 + 7
6	2 + 5 + 8
7	3 + 6 + 9

➤ **"Bold questions are very important, so make sure to focus on them!"**

نوٹ: "MCQs کے لیے، آپ Pakcity.org کی ویب سائٹ سے اس گیس پیپر کی مکمل فری PDF فائل ڈاؤن لوڈ کر سکتے ہیں، جس میں پچھلے تمام سالوں کے تمام بورڈ کے پیپر چیپٹر وائز حل کیے گئے ہیں۔"

"پاک سٹی کی ویب سائٹ www.pakcity.org پر آپ کو تمام کلاسز کے نوٹس، ایم سی کیوز، انتہائی اہم ترین گیس پیپرز، پاسٹ پیپرز اور ٹیسٹ سیریز دستیاب ہیں۔ ہمارے یوٹیوب چینل پر تعلیمی ویڈیوز اور ہیلپ بھی موجود ہیں۔ آپ ہمارے واٹس ایپ گروپ کو جوائن کر کے براہ راست مدد حاصل کر سکتے ہیں۔ ویب سائٹ اور چینل پر وزٹ کریں اور اپنی تعلیمی کامیابی کی طرف قدم بڑھائیں!"