DIRECTORATE OF DISTANCE AND CONTINUING EDUCATION

INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

Qu<u>rajó</u>gi<u>n</u>i – grát – i

589 Seiste ayarg

Sub-Code: J1TL11

1.) (ச) எட்டுத்தொகை இபத்துப்பாட்டு நூல்களை குறித்து எழுதுக.

(**đán**ăi)

(க) அற இலக்கியங்களின் வைப்பு முறையை எடுத்துரைக்க.

2.) (அ) பள்ளிரு திருமுறைகளின் வைப்பு முறையை விவரி.

(điángi)

(ஆ) சித்தஉ இலக்கியங்கள் குறித்து கட்டுரை வரைக.

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INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

General English - I (Part II English)

Sub-Code: J2EN11

1.) (A) Explain the character of Malala from the 1st chapter of "I am Malala".

(OR)

- (B) Delineate "Alice Fell" poem by Words worth.
- **2.)** (A) Write a critical appreciation of the poem "Stopping by woods on a snowy Evening" by Robert Frost.

(**OR**)

(B) Eluminate the fairies in "The Magic Brocade".

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INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

Properties of Matter and Acoustics

Sub-Code: JMPH11

1.) (A) Discuss the regidity modulus by static and torsional pendulum for with and without masses.

(**O**R)

- (B) Determine the young's moudulus for uniform and non uniform bending.
- **2.)** (A) (1) Illustration the surface tension by Jaegar's method.
 - (2) Write a short notes on
 - i) Poiseullie's formula
 - ii) Terminal velocity
 - iii) Stoke's formula

(OR)

(B) Find the expression of simple Harmonic Metion of SHM the graphical representation.

MANONMANIAM SUNDARANAR UNIVERSITY

DIRECTORATE OF DISTANCE AND CONTINUING EDUCATION

INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

Algebra and Differential Equation

Sub-Code: JEMA11

1.) (A) Find the H.C.F of x^2+2x-3 and x^2+3x-4 .

(OR)

- (B) State and prove fundamental theorem of Algebra.
- 2.) (A) Solve the equation 8x4 90x3 + 315x2 405x + 162 = 0 given that the roots are in Geometric progression.

(OR)

(B) State and prove Cayle Hamilton theorem.

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INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

Physics for everyday Life

Sub-Code: JSPH11

1.) (A) Explain the working mechanical of Roller coasters.

(OR)

- (B) What is polaroid glasses and write mechanical by polaroid camera.
- 2.) (A) Draw neat diagram and working principles of air conditioners and microwave ovens.

(OR)

- (B) Discuss in details about the contributions of following Indian physicists.
 - i) C.V. Raman
 - ii) Dr. A.P.J. Abdul Kalam
 - iii) Vikram Sarabhai.

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INTERNAL ASSIGNMENT FOR MAY 2025 EXAMINAITONS

B.Sc. Physics – First Semester

Introductory Physics

Sub-Code: JFPH11

- 1.) (A) Write different types of forces,
 - i) Gravitational
 - ii) Magnetic
 - iii) Nuclear
 - iv) All the mechanical forces.

(OR)

- (B) Short notes on
 - i) Conservation of energy
 - ii) Conservation of momentum
 - **iii)** Types of collisions
 - iv) Angular momentum
- 2.) (A) Write example for scalars and vectors form physical quantities.

(OR)

(B) Explain different types of motions.