

MANONMANIAM SUNDARANAR UNIVERSITY

DIRECTORATE OF DISTANCE AND CONTINUING EDUCATION

INTERNAL ASSIGNMENT FOR MAY 2024 EXAMINATIONS

B.Sc. Chemistry – First Semester

பொதுத்தமிழ் - தாள் - 1

தமிழ் இலக்கிய வரலாறு

Sub-Code: J1TL11

- 1.) (அ) தமிழில் தோன்றிய இலக்கண நூல்கள் மற்றும் அதனுடைய வரலாற்று அறிமுகத்தை தொகுத்து எழுதுக.

(அல்லது)

- (ஆ) சங்க இலக்கியங்கள் என்று கூறப்படும் நூல்கள் மற்றும் அதனுடைய சிறப்புகளை சான்றுடன் விவரி.

- 2.) (அ) அற இலக்கியம் மற்றும் காப்பிய இலக்கியம் குறித்து கட்டுரை வரைக.

(அல்லது)

- (ஆ) பக்தி இலக்கியம் மற்றும் பகுத்தறிவு இலக்கியம் கூறும் வாழ்வியல் கருத்துக்களை விரிவாக விளக்குக.

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B.Sc. Chemistry – First Semester

General English - I (Part II English)

Sub-Code: J2EN11

- 1.) (A) Examine the role of patriarchal structures within pashtun society and Malaya yousafzails family in shaping her perspectives of freedom to challenge the Boundaries.

(OR)

- (B) How does Tagore envision a society free from constraints and limitations in his poem “Where the Mind is without fear”?

- 2.) (A) Write the critical appreciation of the poem “Nine Gold Medals.”

(OR)

- (B) Discuss the significance of the title of the poem “The things that Haven’t Been Done Before.”

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B.Sc. Chemistry – First Semester

General Chemistry ICCI

Sub-Code: JMCH11

1.) (A) Classification of elements in periodic table.

(OR)

(B) MO theory of O_2 , O_2^+ , O_2^-

(2) (a) VSEPR theory of AB_2 , AB_3 and AB_7 type molecules.

(OR)

(b). Write notes on :
(i) Hyper conjugation
(ii) Acidity of Phenols
(iii) Basicity of amines.

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INTERNAL ASSIGNMENT FOR MAY 2024 EXAMINATIONS

B.Sc. Chemistry – First Semester

Allied Chemistry for Physical Science - I

Sub-Code: JECHA1

1.) (A) Draw M.O. diagrams of Hydrogen, Helium, Nitrogen.

(OR)

(B) Give the synthesis, properties and uses of silicones.

2.) (A) (i) Friedel Craft's acylation and alkylation

(ii) Preparation and properties of Fertilizers (any 3)

(OR)

(B) Principle and applications of column and thin layer chromatography.

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INTERNAL ASSIGNMENT FOR MAY 2024 EXAMINATIONS

B.Sc. Chemistry – First Semester

Food Chemistry

Sub-Code: JSCH11

1.) (A) Classification of elements into s, p, d, f blocks.

(OR)

(B) Explain sp^3 , sp^3d , sp^3d^2 hybridization.

2.) (A) Discuss the structural and positional isomerism.

(OR)

(B) (i) Distinguish amorphous and crystalline solids.

(ii) Distinguish- space lattice and unit cells.

(iii) Intensity and width of spectral lines.

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INTERNAL ASSIGNMENT FOR MAY 2024 EXAMINATIONS

B.Sc. Chemistry – First Semester

Foundation course in Chemistry

Sub-Code: JFCH11

1.) (A) Common Food adulterants.

(OR)

(B) Detection of adulterated food by analytical methods.

2.) (A) (i) Food additives

(ii) Food preservatives

(OR)

(B) Write on alcoholic beverages. Highlight the causes, diseases and social issues.