

**LICENSURE EXAMINATION FOR TEACHERS (LET)  
GENERAL EDUCATION**

**TABLE OF SPECIFICATIONS**

**Elementary Level – 40%**  
**Secondary Level – 20%**

**COMPETENCIES TO BE TESTED**

**1. ENGLISH -25%**

- 1.1 Use English language correctly
- 1.2 Communicate in English effectively
- 1.3 Comprehend written texts
- 1.4 Interpret messages of and derive lessons from literary pieces

**2. FILIPINO- 15%**

- 2.1 Use the Filipino language correctly
- 2.2 Communicate in Filipino effectively
- 2.3 Comprehend written texts
- 2.4 Interpret messages of and derive lessons from literary pieces

**3. MATHEMATICS- 20%**

- 3.1 Use of four fundamental operations in problem solving
  - 3.1.1 Operations with whole numbers, decimals, fraction and integers
  - 3.1.2 Least common multiples; greater common factor
  - 3.1.3 Divisibility rules
  - 3.1.4 Ratio and proportion
  - 3.1.5 Percentage rate and Base

- 3.1.6 Measurement and units of measure
  - 3.1.6.1 Perimeter
  - 3.1.6.2 Area
  - 3.1.6.3 Volume
  - 3.1.6.4 Capacity
  - 3.1.6.5 Weight
- 3.1.7 Number Theory
  - 3.1.7.1 Prime, composite and denominate numbers
  - 3.1.7.2 Prime factorization

#### 4. NATURAL SCIENCES - 20%

- 4.1 Utilize scientific knowledge in the preservation of human life and conservation of the earth's resources
  - 4.1.1 Relate scientific theories to actual happenings and natural and man induced calamities
  - 4.1.2 Utilize biological knowledge and theories in the improvement and preservation of the quality of life
  - 4.1.3 Apply knowledge and theories of physical sciences in the improvement of the quality of life
- 4.2 Apply scientific knowledge and principles for the improvement of human resources and socio-economic development
- 4.3 Identify problems and suggest solutions related to personal and Community

#### 5. SOCIAL SCIENCES – 20%

- 5.1 Human Rights
  - 5.1.1 Comprehend basic concepts about rights to life, human dignity, physical integrity, extent and limits of state authority, good name and honor of human person, etc.

- 5.1.2 Manifest knowledge of varied perspectives as a member of society whose rights and duties affect him/her in the family, in civil, professional and religious society, and international relations.
- 5.2 Peace and Global Education
  - 5.2.1 Identify global trends and realities and analyze if they facilitate peaceful, just and sustainable world order.
  - 5.2.2 Become familiar with key concepts, skills and values in peace and global education.
- 5.3 Values Ethics/Moral Education
  - 5.3.1 Increase one's awareness of himself and the other significant factors around him
  - 5.3.2 Explain the evolution of basic human values as products of the ongoing dynamics of family life in general and the Filipino family in particular.
  - 5.3.3 Examine the processes of values transformation in the human life cycle both from the theoretical literature and from personal experiential knowledge.
- 5.4 Economics (Taxation. Land Reform, Cooperatives)
  - 5.4.1 Be exposed to the fundamental precepts of taxation, the laws on Land Reform and its applications.
  - 5.4.2 Apply these fundamental precepts to the cooperative movement as viewed within the Philippine control.
- 5.5 Sociology and Culture
  - 5.5.1 Gain awareness to various social issues as poverty, drugs, prostitution, and how these can be evaluated from our own culture and within the cultural perspective of other countries.

**LICENSURE EXAMINATION FOR TEACHERS (LET)  
PROFESSIONAL EDUCATION**

**Elementary Level – 60%**

**Secondary Level – 40%**

**COMPETENCIES TO BE TESTED**

**1. FOUNDATION OF EDUCATION AND HUMAN GROWTH AND DEVELOPMENT-25%**

- 1.1 Apply philosophical psychological and sociological principles in teaching learning Situations
  - 1.1.1 Identify the relevant philosophies of education operating in particular situations
  - 1.1.2 Identify the psychological principles operating in particular situations
  - 1.1.3 Interpret teaching-learning situations in the light of sociological forces prevalent in Philippine culture
- 1.2 Interpret educational problems in the light of historical and legal foundations of Philippine education
  - 1.2.1 Identify significant educational development that influence certain educational practices
  - 1.2.2 Interpret Philippine educational legislations involved in certain school practices and problems
- 1.3 Utilize theories and principles of human growth and development at various stages
  - 1.3.1 Resolve particular classroom problems using theories and principles of human growth and development at various levels

**2. PRINCIPLES AND STRATEGIES OF TEACHING – 25%**

- 2.1 Use principles of teaching/learning associated with instructional operations and curricular management
  - 2.1.1 Instructional planning
  - 2.1.2 Classroom management
  - 2.1.3 Art of questioning
  - 2.1.4 Preparation and utilization of instructional materials
  - 2.1.5 Selection of activities to achieve objectives

- 2.1.6 Management of change
- 2.2 Select and apply teaching strategies appropriate for particular teaching/learning solutions
  - 2.2.1 Teaching methods and techniques
  - 2.2.2 Generally accepted methods of teaching

### **3. MEASUREMENTS AND EVALUATION –25%**

- 3.1 Apply principles of evaluation and research in classroom testing and measurements
  - 3.1.1 Diagnosing learning difficulties and strengths
  - 3.1.2 Constructing test items
  - 3.1.3 Interpreting test result
  - 3.1.4 Using measures of central tendency
  - 3.1.5 Assigning marks rating
  - 3.1.6 Using tools for research (calculators and computers)
- 3.2 Apply principles, methods and techniques and guidance and counseling in classroom situations
  - 3.2.1 Using guidance tools to improve personal relationship
  - 3.2.2 Using basic guidance services
  - 3.2.3 Using guidance techniques

### **4. SOCIAL PHILOSOPHIES – 25%**

- 4.1 Identify Eastern and Western philosophies that influence Philippine education
- 4.2 Apply basic principles in situations depicting moral dilemma
- 4.3 Manage conflicting situations to be able to bring out values that will enhance nationhood
- 4.4 Balance rights and authority; responsibility and accountability
- 4.5 Apply ethical principles and situations involving teacher's relationships with various groups of people

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**VALUES EDUCATION**

**COMPETENCIES TO BE TESTED:**

1. Philosophical and Moral Foundations of Values Formation (15%)
  - 1.1 Explain the philosophical and moral foundations of values formation.
  - 1.2 Recognize the distinction between subjective cultural values and objective moral values
  - 1.3 Describe the nature of human beings.
  - 1.4 Explain the formation of the intellect and the will
2. Values Development and Formation (15%)
  - 2.1 Describe the nature of values and the morally-oriented person,
  - 2.2 Demonstrate reflective skills in examining one's potential for self-development
  - 2.3 Demonstrate enhanced knowledge of values of introspection toward awareness of human development
  - 2.4 Apply skills in promoting self-change.
3. The Goals of Values Education in the Philippines (10%)
  - 3.1 Evaluate the goals of values education in the Philippines
  - 3.2 Assess the effects explanations of values education in the Philippines
4. Sources of Values and Factors in Values Development (15%)
  - 4.1 Identify sources of values
  - 4.2 Describe how family, media, church, community and society affect the values of children
  - 4.3 Evaluate the effects of the value sources
5. Approaches and Strategies in values Development (15%)
  - 5.1 Identify the major approaches in values development
  - 5.2 Explain the strategies and techniques in values development and the application in specific valuing situations

- 5.3 Describe the approaches in the valuing process
- 6. The Moral Recovery Program (10%)
  - 6.1 Describe the Moral Recovery Program
  - 6.2 Evaluate the strengths and weaknesses of the Filipino values
  - 6.3 Present effective strategies in the MRP that are applicable in specific situations
  - 6.4 Demonstrate skill, in integrating and evaluating the concept and the core values as practiced
- 7. The impact of the Information and Technology-Driven Society and the Growing Global Village in values of the People (5%)
  - 7.1 Comprehend the impact of the information and technology-driven society and the growing global village on the values of a people.
  - 7.2 Demonstrate appreciation and respect for global ecumenism.
- 8. Commitment to Social Responsibility and Accountability (5%)
  - 8.1 Demonstrate enhanced competencies in facilitating and managing valuing process
  - 8.2 Demonstrate commitment to social responsibility and accountability in values education and in moral recovery program.
- 9. Evaluation of the Affective Outcomes of Learning (10%)
  - 9.1 Identify effective evaluation instruments for evaluating the affective outcomes of learning
  - 9.2 Demonstrate ability to evaluate the affective outcomes of learning.

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**FILIPINO –40%**

1. PANITIKAN – 40%
  - 1.1 Mabakas ang simu-simula at pag-unlad ng iba't-ibang anyo ng panitikang Filipino sa iba't-ibang panahon simula noong panahon ng bago dumating ang Kastila hanggang sa kasalukuyan (10%)
  - 1.2 Makilala ang mga akdang pampanitikan at mga may-akda na kinatawan ng bawa't panahon na nag-iwan ng tatak sa buhay na kapilipinuhan (10%)
  - 1.3 Mabigyang-kahulugan ang paraan ng pamumuhay ng mga tao na ini lalarawan ng panitikan sa bawa't panahon (10%)
  - 1.4 Matukoy ang mga pagpapahalagang Pilipinong taglay ng mga akdang kinatawan ng bawa't panahon na nararapat panatilihin (2%)
  - 1.5 Masuri ang mga akdang batay sa mga pamantayan ng pagsusuri (6%)
  - 1.6 Mapili at magamit ang mga uri at halimbawa ng panitikang pambatang angkop linangin sa mga kabataan (2%)
2. LINGGWISTIKA – 40%
  - 2.1 Matalakay ang simula at pag-unlad ng wikang pambansa (10%)
    - 2.1.1 Ebolusyon ng Surian ng Wikang Pambansa (2%)
    - 2.1.2 Eboluyson ng alpabeto (4%)
    - 2.1.3 Mga batas pangwika (4%)
  - 2.2 Magamit ang mga batayang kaalaman sa linggwistika sa mabisang pagpapahayag (20%)
    - 2.2.1 Masuri ang mga pangungusap ang mga pangungueap/sugnay/parirala/salita/pantig/titik (4%)
    - 2.2.2 Magamit nang wasto ang mga salita/parirala sa pangungusap (4%)
    - 2.2.3 Mabisang magamit ang mga matalinghagang pananalita/tayutay sa pakikipagtalastasan (4%)
    - 2.2.4 Makilala at matalakay ang iba't-ibang bahagi ng pahayagang pampaaralan bilang behikulo/komunikasyong pasulat (4%)
  - 2.3 Magamit ang mga simulain sa pagsasaling-wika ng mga pangungusap/parirala/kasabihan (5%)

- 2.4 Mapili ang pinakamabisang halimbawa ng mga pangungusap sa pagpapahayag (5%)
- 3. PARAAN/PAMAMARAAN NG PAGTUTURO – (10%)
  - 3.1 Masuri at magamit ang mga paraan ng pagtuturo ng Filipino bilang; una at pangalawang wika (5%)
  - 3.2 Matukoy ang waastong pagkakasunod-sunod ng mga hakbang ng mga paraan ngpagtuturo (5%)
- 4. PAGHAHANDA NG MGA KAGAMITANG PAMPAGTUTURO SA FILIPINO (10%)
  - 4.1 Makilala at mapahalagagan ang iba't-ibang uri ng kagamitan sa pagtuturo ng wikan at panitikan (2%)
  - 4.2 Mapili at magamit nang wasto ang iba't-ibang kagamitang panturo na angkop sa mga aralin sa iba't-ibang baiting (4%)
  - 4.3 Masuri ang mahuhusay na aytem ng pagsusulit at pagsasanay bilang kagamitang pamagtuturo sa wika at panitikan (4%)

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**SOCIAL SCIENCE STUDIES – 40%**

**Secondary Level ---- 40%**

1. Philippine Government and Constitution –15%
  - 1.1 Be familiar with the various forms of government established each its own time from the barangay to the present system
  - 1.2 Discuss the nature and provisions of the present Constitution, its advantages/possible disadvantages over the others before it and its function as fundamental law of the state
  - 1.3 Know one’s rights and responsibilities as a citizen in a democratic state
  - 1.4 Discuss the functions of the three branches of the Philippine Government
2. Philippine Geography – 13%
  - 2.1 Explain the significance of location, size and shape of a region in relation to its development
  - 2.2 Describe and compare the different regions of the Philippines as to their physical and cultural characteristics and development
  - 2.3 Explain how the natural resources in different regions in the country contribute to development
  - 2.4 Identify the distinctive features of three most developed and three least developed regions in the Philippines.
3. Philippine History \_ 15%
  - 3.1 Trace the development of the history of the Philippines from the pre-colonial, colonial and contemporary periods
4. Rizal and Other Heroes – 7%
  - 4.1 Show appreciation for the works of Rizal by (a) being familiar with them and (b) choosing the features in his character worth emulating
  - 4.2 Explain how Rizal’s life and works have made the Filipinos (a) aware of socio-political problems of their society and (b) increase their nationalistic fervor and love for freedom

- 4.3 Evaluate the contribution of Philippine Heroes and heroines to the course of Philippine independence
5. Economics (Taxation, Land Reforms, Cooperatives) – 10%
  - 5.1 Be familiar with Philippine economic conditions with respect to taxation, land reforms, and cooperatives as well as the growths of the gross national product
  - 5.2 Comprehend and apply the fundamental economic principles, especially those relevant to current economic conditions in the Philippines
6. Sociology and Culture – 10%
  - 6.1 Comprehend the basic concepts, theories and perspectives vital in understanding society and culture
  - 6.2 Explain why people of different groups or societies have different cultures and behave differently
  - 6.3 Recognize cultural elements that are distinctly Filipino, and choose those that are worth perpetuating
  - 6.4 Identify social issues and concerns affecting the Philippine Society
7. World Geography – 5%
  - 7.1 Describe the physiographic features of different regions in the world
  - 7.2 Relate the significance of geography to social, cultural, economic and political development of a state
  - 7.3 Discuss the global conditions of the environment, its protection, conservation and proper management
  - 7.4 Explain how Natural and cultural patterns of the earth foster global interdependence
8. World History – 5%
  - 8.1 Trace the development of world civilization
  - 8.2 Analyze the influences of Asian and Western civilizations in Filipino life and culture
  - 8.3 Discuss the involvement of the Philippines on important international and regional organizations
9. Economics (Microeconomics & Macroeconomics) – 5%

- 9.1 Comprehend the basic principles of economics as well as the nature and functions of the economic system
  - 9.2 Interpret economic concepts such as supply and demand, diminishing marginal utility, income effect vs. substitution effect, etc.
  - 9.3 Apply concepts on the nature and behavior of cost and the theory of production to current economic situations in the Philippines
10. Anthropology –5%
- 10.1 Comprehend the basic concept in anthropology both physical and cultural
  - 10.2 Trace and analyze the evolution of man
  - 10.3 Study the relationships between culture and the biological traits of human beings
  - 10.4 Examine the different techniques and tools in the study of man
11. Philosophy (Social Philosophy and Logic) – 5%
- 11.1 Manifest knowledge of the nature of the Filipino, the Filipino Society and the emerging Filipino Philosophy
  - 11.2 Discuss and analyze the various laws and principles governing correct thinking
  - 11.3 Form a critical and analytical attitude toward specific issues and problems in daily life
12. Asian Studies – 5%
- 12.1 Trace the historical roots and development of events affecting the whole Asian region anchored on the pattern of world developments through an overview of the country's political, economic, religious, and socio-cultural systems.

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**PHYSICAL EDUCATION, HEALTH AND MUSIC – 40%**

**COMPETENCE TO BE TESTED:**

1. Foundations in Physical Education, Health and Music Education 5%
  - 1.1 Recall the history, philosophy and development of PEHM
  - 1.2 Apply the philosophy of PEHM in relation to life
  - 1.3 Identify the different systems of the body
  - 1.4 Diagnose the effects of the psychological and socio-cultural aspects of PEHM to one's living
2. Philippine Folk, Ethnic and Foreign Dances –10%
  - 2.1 Identify the dance terms and steps used in Philippine folk and foreign dances
  - 2.2 Classify dances according to their rhythmic patterns
  - 2.3 Identify different Philippine folk and foreign dances
3. Organization, Administration and Supervision of PE – 5%
  - 3.1 Apply concepts of organization and management of intramurals
  - 3.2 Apply the different tournament formats
  - 3.3 Physical Fitness/Special Sports/Athletic Management
4. Individual, Dual and Team Sports – 10%
  - 4.1 Recall the history, body mechanics, equipment and facilities of the different sports
  - 4.2 Analyze the bio-mechanics of the different skills and/or movements
  - 4.3 Apply the principles and rules of the games to actual officiating
  - 4.4 Analyze exercises that may help improve fitness of an individual
5. Physical Fitness and Gymnastics – 10%
  - 5.1 Identify tests for the different components of physical fitness
  - 5.2 Analyze exercises that may help improve fitness of an individual

- 5.3 Identify the different skills in gymnastics
- 5.4 Apply appropriate mechanics in the performance of different skills
- 6. School Health and Applied Nutrition –5%
  - 6.1 Analyze the principles, plans and organization of school health program
  - 6.2 Assess the roles and responsibilities of the school and the community for a more harmonious and healthy relationships
  - 6.3 Analyze the nutritional needs of athletes
- 7. Consumers Health and Drug Education - %5
  - 7.1 Identify the objectives, health information and problems of consumers and quackery
  - 7.2 Classify the health products sold commercially and health services that may be harmful/useful
  - 7.3 Recognize the different classifications of drugs and how and why they are used and abused
  - 7.4 Interpret policies and programs undertaken by private and government agencies towards drug dependents
- 8. Personal, Community and Environmental Health –5%
  - 8.1 Identify the factors affecting the health of the community
  - 8.2 Identify the different environmental pollutions such as water, air, noise, radiations, pesticides, food sanitation, and housing which are hazardous to the health of the people
  - 8.3 Apply the preventive and control measures done by an individual, Gos and NGOs on environmental pollution
- 9. Safety Education and First Aid –5%
  - 9.1 Identify the roles, objectives and general directions of first aid
  - 9.2 Apply proper handling of the sick, injured and victims of accidents
- 10. Foundation, Philosophy of Music –8%
  - 10.1 Define the different musical elements
  - 10.2 Recognize simple rhythmic patterns syncopation, simple and compound meters

- 10.3 Recognize the different forms of music through actual score reading
- 10.4 Read and write music
- 10.5 Identify the different tonal relationship
- 10.6 Analyze different chords
- 10.7 Identify different conducting pattern of songs
- 10.8 Classify the different female and male vocals
- 10.9 Identify music symbols of the different musical elements
- 11. Recognize Music Theory – 8%
  - 11.1 Recognize the different scales/melodies (Western/Asian)
  - 11.2 Identify the works of representative Philippine, Asian, Western, and European
  - 11.3 Analyze the different chords: major, minor, augmented and diminished chords
  - 11.4 Distinguish the styles of different musical periods
  - 11.5 Differentiate the musics of Asian countries (Japan, China, Korea, Thailand, Indonesia, India)
- 12. Applied Music – 4%
  - 12.1 Identify the different parts of the body involved in singing
  - 12.2 Identify techniques in singing and playing different musical instruments
  - 12.3 Identify musical instruments of different groups (band, rondalla, orchestra)
  - 12.4 Analyze the folk songs from different regions in the Philippines and other countries
- 13. Analyze visual arts and its elements –5%
- 14. Recognize Great Philippine works in visual arts –8%
- 15. Recognize Asian and master works of arts – 7%

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**MATHEMATICS – 40%**

Description: This Licensure of test consists of 200 items covering topics from these 10 subjects areas:

1. Arithmetic and Number Theory
2. Basic and Advanced Algebra
3. Plane Geometry
4. Circular and Trigonometric Functions
5. Probability and Statistics
6. Analytic Geometry
7. Business Mathematics
  
8. Calculus (Basic)

Secondary Level –40%

**A. OBJECTIVES EXPECTATIONS:**

The Licensure Examinee should be able to:

1. Show a working knowledge of basic terms and concepts in arithmetic, algebra, geometry, trigonometry, analytics, calculus, probability and statistics
2. Solve, evaluate, and manipulate symbolic and numerical problems in the above mathematics areas by applying fundamental rules, principles and process.
3. Solve verbal problems in each of the above mathematical areas
4. Interpret graphic, symbolic and word problems
5. Show ability to apply theories and principles of teaching and learning to mathematics teaching

**B. BASIC CONTENT OUTLINE FOR MATHEMATICS MAJOR**

1. Arithmetic and Number Theory (0% - 40 items)
  - 1.1 Operation on signed numbers
  - 1.2 Least Common Multiples, Greatest Common Factor

- 1.3 Divisibility Rules
- 1.4 Ratio and Proportion
- 1.5 Percentage, Rate and Base
- 1.6 Measurement and units of measure
- 2. Basic and Advanced Algebra (25%- 50 items)
  - 2.1 Algebraic operations and process
  - 2.2 Laws of exponents for multiplication and division of algebraic expressions
  - 2.3 Operations with monomials and polynomials
  - 2.4 Relations, functions and their zeros (linear and quadratic)
    - 2.4.1 Definition of domain and range
    - 2.4.2 Linear equations
    - 2.4.3 Quadratic equations
    - 2.4.4 Systems of equations
    - 2.4.5 Radical equations
  - 2.5 Special products and factors
  - 2.6 Operations on rational expressions
  - 2.7 Operations on radical expressions
    - 2.7.1 Evaluating powers
    - 2.7.2 Negative and Fractional exponents
    - 2.7.3 Imaginary and complex numbers
  - 2.8 Exponential and logarithmic functions
  - 2.9 Inequalities: linear, quadratic and systems
  - 2.10 Arithmetic and geometric sequences and series
  - 2.11 Variation
    - 2.11.1 Direct variation

- 2.11.2 Inverse variation
    - 2.11.3 Joint variation
  - 2.12 Polynomial functions of higher degree
    - 2.12.1 Synthetic division
    - 2.12.2 The Remainder Theorem, Rational Root Theorem and the Factor Theorem
- 3. Plane Geometry – (15%-30)
  - 3.1 Coordinate geometry
    - 3.1.1 The length of a line
    - 3.1.2 The midpoint of a line
    - 3.1.3 Graph of a linear equation
    - 3.1.4 The equation of a straight line
    - 3.1.5 Parallel and perpendicular lines
  - 3.2 Angles and straight lines
    - 3.2.1 Types and measures of angles (complementary, supplementary, linear pair)
    - 3.2.2 Dividing a vertical line into a number of equal parts
    - 3.2.3 Construction of perpendicular & parallel lines and their properties
    - 3.2.4 Angle bisection
  - 3.3 Triangles
    - 3.3.1 Types of triangles, their properties
    - 3.3.2 Pythagora's Theorem
  - 3.4 Quadrilaterals and Other Polygons
    - 3.4.1 Properties of rectangles, squares, rhombi, trapezoids
    - 3.4.2 Sum of the interior angles of a polygon
    - 3.4.3 Sum of exterior angles of a convex polygon

- 3.4.4 Symmetry of regular polygons
- 3.5 The Circle
  - 3.5.1 Circles and circle concepts
  - 3.5.2 Central angles and arcs
  - 3.5.3 Chords, tangents and secants
  - 3.5.4 Sectors and segments
  - 3.5.5 Measures of angles formed in, on and outside a circle
- 3.6 Triangle Congruence
  - 3.6.1 Corresponding parts of triangle
  - 3.6.2 SAS, SSS, SAA, and ASA Theorems
  - 3.6.3 Proving triangles congruent
- 3.7 Similarity and Proportionality
  - 3.7.1 Properties of proportions
  - 3.7.2 Proportional segments
  - 3.7.3 Basic proportionality & related theorems
  - 3.7.4 Special angles/triangles
- 4. Circular and Trigonometric Functions (10%-20 items)
  - 4.1 Circular functions
  - 4.2 Trigonometric ratios of reference angles
  - 4.3 Graphs of circular functions
  - 4.4 Degree-radian conversion
  - 4.5 The eight basic trigonometric identities
  - 4.6 Proving identities
  - 4.7 The Pythagorean identities
  - 4.8 Sine and cosine laws

- 4.9 Solution of triangles
- 5. Probability and Statistics (10%- 20 items)
  - 5.1 Counting Techniques
    - 5.1.1 Theoretical and Experimental Probability
  - 5.2 Probability of Events
    - 5.2.1 Permutation
    - 5.2.2 Independent & dependent events
    - 5.2.3 Mutually exclusive and non-mutually exclusive events
  - 5.3 Graph reading and interpretation
  - 5.4 Computing measures of average mean (mean, median, mode)
  - 5.5 Computing measures of variability
    - 5.5.1 Range and Interquartile Range
    - 5.5.2 Average deviation
    - 5.5.3 Standard deviation
  - 5.6 Correlation and Regression
    - 5.6.1 Pearson r and Spearman rho
    - 5.6.2 The regression line
    - 5.6.3 Linear regression
  - 5.7 Statistical Inference
    - 5.7.1 Normal curve
    - 5.7.2 Null Hypothesis
    - 5.7.3 Levels of Significance
  - 5.8 Common Test of Significance (t, F, Z,  $\chi^2$ )
- 6. Analytic Geometry ( 10% - 20 items)
  - 6.1 Slope of a line

- 6.2 Equations of lines: tangents & normal
  - 6.2.1 Point slope form
  - 6.2.2 Slope intercept form
  - 6.2.3 Parallel and perpendicular lines
  - 6.2.4 Midpoint of a line
  - 6.2.5 Distance formula
- 6.3 Equations and graphs
- 7. Business Mathematics (5% - 10 items)
  - 7.1 Discounts: commission
  - 7.2 Simple and compound interest
- 8. Calculus (Basic) (5%-10 items)

**LICENSURE EXAMINATION FOR TEACHERS (LET)**  
**Major Field of Concentration/Specialization**  
**ENGLISH – 40%**

**TABLE OF SPECIFICATIONS**

Secondary Level ---- 40%

**COMPETENCIES TO BE TESTED**

1. LITERATURE: 35%
  - 1.1 Identify the literary pieces and figures that left significant marks in the library of nations and peoples
  - 1.2 Draw out universal and/or particular values from world-renowned literary selections
  - 1.3 Interpret the way of life, culture and aspirations of peoples from library pieces that they produced
  - 1.4 Formulate logical conclusions about life from select literary pieces
  - 1.5 Apply ideas derived from famous literary pieces to current issues of universal concern
  
2. LINGUISTICS: 25%
  - 2.1 Manifest familiarity with the theories of language learning and their effect on language teaching
  - 2.2 Apply the knowledge of linguistic theories to the teaching of grammar, composition, reading, and literature
  - 2.3 Apply techniques in teaching listening and oral interaction
  - 2.4 Apply the knowledge of the structure of English language to the teaching of communication arts and literature
  - 2.5 Evaluate the applicability of English instruction approaches/methods/techniques
  
3. READING: 20%
  - 3.1 Identify the reading strengths and weakness of students
  - 3.2 Illustrate important reading diagnosis techniques
  - 3.3 Determine the appropriateness of teaching and testing material to be used in reading remediation

- 3.4 Differentiate the various levels of reading
- 3.5 Interpret the central ideas and themes of reading selections
- 4. INTRODUCTION TO MASS COMMUNICATION 10%
  - 4.1 Illustrate the interrelationship among communication media, the individual, and society
  - 4.2 Identify the different forms of mass communication
  - 4.3 Do simple editing, objective analysis and critical appraisal of a print excerpt
  - 4.4 Express relevant and sound opinions about broadcast materials
  - 4.5 Evaluate current media trends
- 5. PREPARATION OF INSTRUCTIONAL/EVALUATE MATERIALS FOR ENGLISH 10%
  - 5.1 Identify/apply principles in the different types of instructional material in English
  - 5.2 Apply sound principles of teaching in the preparation of teaching aids/ devices
  - 5.3 Manifest familiarity with the use of technology in the preparation of audio-visual materials in English
  - 5.4 Apply principles of test construction for measuring English competencies
  - 5.5 Apply validation principles in the preparation of instructional materials

ANNEX “A”

**LICENSURE EXAMINATION FOR TEACHERS**  
**Major Field of Concentration/Specialization**

**HOME ECONOMICS**

**Competencies To Be Tested**

1. Home Economics and Livelihood Education 15
  - 1.1 Identify the factors that determine housing needs
  - 1.2 Understand the principles involved in beautifying the exterior and interior of the home
  - 1.3 Manifest functional knowledge of home management
  - 1.4 Apply the principles of work simplification
  - 1.5 Observe wise budgeting of the family income
2. Clothing 1 (Selection, Purchase, Care & Construction of Clothes) 15%
  - 2.1 Identify the principles involved in the proper selection, care and construction of clothes
  - 2.2 Choose with taste style and color of clothes
  - 2.3 Purchase clothes judiciously
  - 2.4 Care for clothes wisely
  - 2.5 Demonstrate the steps in constructing simple unisex garments using the unit method of construction
3. Food and Man 1 (Food Production and Preparation with Nutrition) 20%
  - 3.1 Define common terms in food selection, preparation and cookery
  - 3.2 Understand the different principles in food preparation
  - 3.3 Explain the different methods of nutrient conservation
  - 3.4 Uphold desirable attitudes and values in food selection and preparation

3.5 Prepare a low cost but nutritious meal

3.6 Develop awareness on the proper ways of handling food, marketing, storing, preparing, cooking and serving

3.7 Identify the causes of food spoilage

3.8 Differentiate five ways of preserving food

3.9 Understand the essentials of food preservation

3.10 Demonstrate knowledge and skill in baking

4. Home and Family Living

4.1 Explain the developmental task of an adolescent

4.2 Analyze the rights and duties of each member of the family

4.3 Analyze the role of decision making in the management of family goals

4.4 Manifest feelings of developing desirable personal values

4.5 Suggest ways of contributing to a satisfying home life

5. Handicrafts 20%

5.1 Discuss the importance of handicrafts in the economic growth of the country

5.2 Explain the characteristics of indigenous materials used in handicraft projects

5.3 Discuss the contents of a project plan

5.4 Observe safety precautions when working

6. Entrepreneurship 10%

6.1 Define terminologies commonly used in business management

6.2 Explain the ten entrepreneurial competencies or characteristics of an entrepreneur

6.3 Perform the accounting style

6.4 Prepare a simple business letter

## **AGRICULTURE AND FISHERY ARTS**

### **Competencies To Be Tested**

1. Functional Application of Knowledge 25%
  - 1.1 Apply functional knowledge in plant and fish propagation
  
2. Breeds of Farm Animals and Fish 15%
  - 2.1 Get acquainted with the different breeds of farm animals and fish raised in the Philippines
  
3. Pests and Diseases Affecting Animals and Fish Propagation 20%
  - 3.1 Develop familiarity with the different pests and diseases affecting animal and fish propagation
  - 3.2 Remedial measures against pests and diseases
  
4. Marketing Strategies in the Industry/Entrepreneurship 20%
  - 4.1 Demonstrate knowledge of the functions, principles and theories of management
  - 4.2 Develop marketing strategies which benefit the industry
  - 4.3 Manifest desirable attitudes and values in retail selling
  - 4.4 Explain the different parts of a business plan/project/feasibility study
  
5. Proper Care and Management of Agricultural and Fishery Products 20%
  - 5.1 Explain the significance of financial statements, i.e. balance sheet, income statement, capital statement
  - 5.2 Realize the importance of proper care and management in the field of agricultural and fishery products
  - 5.3 Discuss the importance of agricultural and fishery arts in the economic growth of the country

## **INDUSTRIAL ARTS AND RELATED DISCIPLINES**

### **Competencies To Be Tested**

1. Electricity 15%
  - 1.1 Explain the sources and kinds of electricity
  - 1.2 Explain the electron theory and the Ohm's Law
  - 1.3 Identify the parts of a complete electrical circuit
  - 1.4 Follow proper procedures in electrical housewiring
  - 1.5 Knowledge of basic computer concepts
  
2. Refrigeration and Airconditioning (RAC) 15%
  - 2.1 Identify the basic tools and equipment on RAC
  - 2.2 Explain the principle of refrigeration cycle
  - 2.3 Explain the function of refrigeration and copper tubing
  - 2.4 Identify the symbols in the schematic diagram
  
3. Drafting 10%
  - 3.1 Enumerate and explain the alphabetic of lines
  - 3.2 Define and perform orthographic projection and an isometric drawing
  - 3.3 Explain the different technique in freehand and mechanical drawing
  - 3.4 Application of computer knowledge in drawings
  
4. Woodworking 10%
  - 4.1 Discuss the different uses and maintenance of woodwork
  - 4.2 Construct common wood joints
  - 4.3 Explain the principles of mensuration and layout

4.4 Explain the importance, uses, and maintenance of different woodworking machines

5. Automechanics 10%

5.1 Demonstrate understanding of basic shop principles, practices, and fundamental aspects of automotive

5.2 Manifest understanding of engine classification

5.3 Demonstrate fundamental operations of engine fuel system

5.4 Demonstrate ability to apply knowledge of ignition system

6. Radio Mechanics 10%

6.1 Demonstrate knowledge of the fundamentals of electronics

6.2 Demonstrate functional knowledge and skills in the application of the principles of magnetism and electromagnetism

6.3 Interpret electronic schematic diagram

6.4 Explain the principles involved in the PCB design layout and etching

7. Metal Works 10%

7.1 Demonstrate functional knowledge and skills in bendiwork

7.2 Apply knowledge of and skills in sheet metalwork

7.3 Apply functional knowledge of and skills in electric welding

7.4 Observe safety precautions in bench metal work

8. Entrepreneurship/Business and Distribute Arts 10%

8.1 Describe the role of entrepreneurship in economic growth

8.2 Identify the different types of business organizations

8.3 Understand the prospects of the industrial arts in economic growth

9. Instructional Methods and Evaluation of Learning 10%

9.1 Teaching Strategies

9.2 Evaluation of Teaching and Learning

“ANNEX A”

**Licensure Examination for Professional Teachers**  
**BIOLOGICAL SCIENCES**  
**(Biology, Environmental Science)**

**Competencies to be tested**

1. Apply principles, laws and theories in explaining concepts regarding life and the emerging technologies that are biology-based such as: newer treatment of diseases, combating the ill-effects of pollution and advances in genetic engineering.
2. Be aware and appreciate the existence of biological diversity among living things, thereby recognize their adaptive structures, characteristics and economic importance.
3. Describe the dynamic interrelationships that occur in both natural and man-made ecosystems in order to be able to trace energy flow and conversion, with emphasis on interdependence.
4. Trace the vital cycles of food nutrients, water, gases and other materials that occur in nature.
5. Discuss the sources and utilization of organic and inorganic compounds.
6. Discuss the anatomy and physiology of the simplest to the highest forms of organisms and how the processes and their healthful functions can be maintained.
7. Demonstrate skill in analyzing Mendelian patterns of heredity including the fundamental role of chromosomes and genes.
8. Discuss the theories regarding the direct and indirect evidences of evolution.
9. Update oneself about discoveries, inventions and breakthroughs that have improved the quality and longevity of life.
10. Demonstrate awareness and deep concern for the environmental problems which are brought about by fast growth of population, wasteful consumption of energy and destruction and neglect of habitat.

Course Outline Weight

- I. Introduction 5%
  - A. Nature of Biology
  - B. Branches
  - C. Characteristics of Life

## II. Plant Biology

- A. Characteristics
- B. Classification
- C. Structure and Functions of Parts
- D. Growth and Reproduction

### Licensure Examination for Teachers

#### PHYSICAL SCIENCES

(General Science, Chemistry, Physics, Earth Science)

#### Competencies to be tested

1. Determine the sources of the different forms of energy and how they occur naturally of artificially in the environment.
2. Apply principles, theories and laws governing the dynamics of forces, motion, power and energy.
3. Investigate energy conversion, transfer and conservation of energy: waves, heat, electricity and nuclear.
4. Conduct investigation and formulate inferences regarding physical and chemical properties of matter.
5. Construct models of atoms and molecules.
6. Classify matter into pure substances and mixtures and describe their composition.
7. Interpret representations of elements and the periodic law, compounds and chemical equations and chemical change.
8. Determine the sources and utilization of organic compounds of life: carbohydrates, fats and oils and proteins.
9. Trace the origin and use of synthetic polymers.
10. Update oneself regarding renewable and nonrenewable sources of energy, beneficial uses of nuclear energy and the rapid advances in communication and information technology.

11. Suggest ways of lessening the occurrence of the deteriorating quality of land, water and air around us and the degradation of our natural resources which are continuously being brought about by pollution and neglect.
12. Discuss the characteristics, location and motions of the members of the solar system and the universe.
13. Describe the earth as a planet, its motions in relation to the sun and the moon, thus bringing about seasons, weather and geological sculpturing of its surface.
14. Discuss advances in space explorations and their findings.

### Course Outline

#### I. Introduction 5%

I

- II A. Nature of Science
- III B. Inquiry Processes
- IV C. Scientific Method
- V D. Science and Technology

#### II. Mechanics 10%

VI

- VIIA. Force and Motion
- VIII B. Speed, Velocity, Acceleration
- IX C. Laws of Motion
- X D. Momentum
- XI E. Law of Gravitation
- XIIF. Simple Machines

#### III. Energy 5%

XIII

- XIV A. Potential and Kinetic
- XVB. Forms
- XVI C. Conversion
- XVII D. Conservation
- XVIII E. Transfer
- XIX F. Energy Sources Today

IV. Heat and Temperature 10%

XX

- XXI A. Temperature
- XXII B. Heat Transfer
- XXIII C. Thermodynamics

V. Waves

XXIV

- XXV A. Sound Waves 10%
  - Velocity
  - Characteristics
  - Music and Noise

XXVI

- XXVII A. Light Waves 10%
  - Properties
  - Travel
  - Reflection and Refraction
  - Dispersion and Color

VI. Electricity

XXVIII

- XXIX A. Electric Charge
- XXX B. Static Electricity
- XXXI C. Electric Current
- XXXII D. Circuits
- XXXIII E. Magnetism
- XXXIV F. Electromagnets
- XXXV

VII. Matter, Structure and Composition 25%

XXXVI

- XXXVII A. Properties
- XXXVIII B. Phase and Changes
- XXXIX C. Atoms
- XL D. Molecules
- XLI
- XLII E. Classification
  - Elements and Periodic Law
  - Compounds and Chemical Change
  - Mixtures
- XLIII F. Chemical Formulas and Equation
- XLIV G. Chemical Reactions
- XLV H. Nuclear Energy
- XLVI

VIII. The Universe 15%

XLVII

- XLVIII A. Stars
- XLIX B. Galaxies
- L C. The Solar System and Members
- LI D. Sun and Moon
- LII E. Earth and Motions
  - Surface Changes
  - Weather Elements
- LIII F. Space Travel

Total 100%

## ANNEX “A”

### **BUSINESS TECHNOLOGY**

1. Office Management, Procedures and Business Ethics 30%
  - 1.1 Explain the basic principles and concepts of organizational structure and management..
  - 1.2 Explain the theories and tasks of motivation and leadership.
  - 1.3 Differentiate organization as a process and organization as a structure.
  - 1.4 Explain the recruitment, maintenance, and conservation of human resources.
  - 1.5 Apply basic principles of office communications and business ethics.
  - 1.6 Identify types of storage methods and storing procedures.
  
2. Basic Information and Communications Technology 30%
  - 2.1 Discuss the concepts of Information and Communication Technology
  - 2.2 Identify the components of the computer system.
  - 2.3 Manifest functional knowledge and skills in Word Processing.
  - 2.4 Manifest functional knowledge and skills in Spreadsheets.
  - 2.5 Identify types of computer graphic packages.
  - 2.6 Explain the effects of ICT in the socio-economic growth of the country.
  
3. Entrepreneurial Principles and Applications 20%
  - 3.1 Identify and apply theories of basic management, and principles of leadership styles to management functions.
  - 3.2 Analyze the characteristics of entrepreneurs and entrepreneurial competency.
  - 3.3 Identify components of a project feasibility study business plan.

3.4 Apply environmental scanning, production, and marketing principles and promotion strategies.

3.5 Analyze and evaluate pricing strategies and results of breakeven analysis.

3.6 Identify the rules and regulations affecting small scale industries and the implications of these to the economic contributions of the industries.

#### 4. Bookkeeping and Accounting

4.1 Identify basic types of financial statements for business and roles of accounting/bookkeeper.

4.2 Classify each account according to assets, liabilities, capital, income, expense and drawing.

4.3 Solve problems for accounting equation.

4.4 Apply the rules of Debit and Credit to business transactions.

4.5 Apply basic accounting/bookkeeping cycle principles for service and merchandising business.