



## Syllabus for Written Examination

(For Special Internal Competition)

Post: **Assistant Professor/Lecturer**

Subject: **Economics**

1. **The knowledge of the related subject matters which are generally included in the concerned bachelor and master level courses (60%)**
  - (a) **Micro Economics:** Fundamental Principles of Economics, Scarcity and Choice; Issues of Resource allocation; Theory of Demand and Supply, theory of consumer behavior, theory of Production, cost and Revenue, theory of Firm, Theory of product and Factor Pricing; market failure and role of government; Theory of general equilibrium and welfare economics.
  - (b) **Macro and Monetary Economics:** National income measurement and Accounting- concepts, approaches and emerging issues; theory of Employment, Income determination models (Classical, Keynesian and Post- Keynesian), Theories of Consumption and Investment; macroeconomic issues-inflation, business cycle, Growth; Macroeconomic policies; theory of Money and banking, Demand and Supply of Money; Monetary policy and domestic and global issues in money and capital (financial) market, issues of digital transaction.
  - (c) **Economics of Development, Planning and Public Finance:** Evolution of Alternative paradigms of development, Theories and Strategy of Development, Domestic and global issues of Development(poverty, inequality, inclusive development, human development and sustainable development), contemporary issues of Development(transition Economics, Economics of climate change, Debt crisis; black economy, trade, FDI and Aid controversy), Ideology and rationale of Development planning; tools and techniques of planning for national, regional and local level; Rationale of public finance, theory of public expenditure, theories of tax and public revenue, role of public borrowing, Issues of fiscal federalism, Fiscal policy issues and constraints.
  - (d) **Contemporary Topics in Economics:** Economics of Research and Development; Economics of information; Emerging Digital space –opportunities and threat, Freakonomics, Global issues in Economics of natural resource and environment, Globalization and Liberalization in trade and finance, issues of Cross country migration, Urbanization and Informal Economy, Conflict, peace and development, Sustainable Development Goals; International and regional cooperation, role of multilateral Economic organization and institution and Global Economic governance.
  - (e) **Analytical tools and Techniques of Economics:** Use of Statistics and mathematics in Economics; Economic laws and Models; issues of linear and non-linear programming, Optimization models, input-output analysis, Game theory-concepts and application in economics. Econometric Analysis- various techniques and forms, estimation approaches, linear and nonlinear regression, Diagnostic and significance tests of estimated results, use of software in data analysis.
2. **Basic Knowledge of the recent trends in Economics (15%)**
  - (a) **Emerging Trends in Micro and Behavioral Economics:** Behavioral economics and its impact on consumer decision-making. Experimental economics and its applications in policy-making. Advances in market structure analysis and competition policies. Role of AI and big data in price discrimination and consumer behavior prediction.

- (b) **Recent Developments in Macroeconomic and Monetary Theories:** Modern Monetary Theory (MMT) and its policy implications. Inflation targeting and monetary policy innovations. Impact of digital currencies and cryptocurrency on monetary systems. Macroeconomic challenges in a post-pandemic world (inflation, stagflation, recession risks).
- (c) **Global Trends in Development Economics and Public Finance:** Inclusive growth strategies and sustainable economic development. Impact of climate change on economic policies and green finance. Rise of Universal Basic Income (UBI) and cash transfer policies. Fiscal decentralization and challenges in federal economic governance.
- (d) **The Digital Economy and Future of Work:** Growth of the gig economy and its implications on labor markets. Digital transactions, fintech, and their impact on banking and finance. AI, automation, and job displacement: Economic policy responses. Cryptocurrencies, blockchain, and the future of decentralized finance.
- (e) **Emerging Issues in Global Trade and Finance:** The impact of deglobalization and reshoring on international trade. Trade wars, economic sanctions, and their macroeconomic effects. The role of BRICS and alternative financial institutions in global finance. Challenges of foreign direct investment (FDI) in developing economies.

### 3. National and Global Trends and Issues Regarding Economics Education (10%)

- (a) Curriculum Reforms & Interdisciplinary Learning – Shift towards applied economics, integration with data science, behavioral sciences, and environmental studies.
- (b) Digital Transformation in Economics Education – Growth of MOOCs, virtual classrooms, AI-driven tutoring, and digital research tools.
- (c) Data Science & Quantitative Methods – Increased use of Python, R, and Stata in economic analysis, and emphasis on data-driven decision-making.
- (d) Skill-Based Learning & Employability – Focus on policy analysis, economic consulting, and financial modeling to bridge the gap between academia and industry.
- (e) Globalization & International Collaboration – Expansion of exchange programs, joint research, and adaptation of global economic education models.
- (f) Economic Research & Policy Engagement – Growth of university-led policy research and collaboration with governments and think tanks.
- (g) Challenges in Economics Education in Nepal – Outdated curricula, digital resource limitations, and regional disparities in access to quality education.
- (h) Personalized & Adaptive Learning – Use of AI-driven learning, gamification, and simulation-based teaching methods in economics education.
- (i) Sustainability & Climate Economics – Growing inclusion of green economics, sustainability, and climate change in higher education curricula.
- (j) Preparing for AI-Driven Economy – Adapting curricula to equip students for automation, big data analytics, and future labor market demands.

### 4. Teaching and Research Methodology (10%)

- (a) Teaching Skills & Strategies – Effective communication, student-centered learning, classroom management, and use of technology in Economics education.
- (b) Common research methods – Conceptualizing a Research Topic, Identifying research gaps, formulating hypotheses, data collection, aligning with current trends, and exploring multidisciplinary research areas.
- (c) Curriculum Review & Lesson Planning – Designing industry-relevant curricula, structuring lesson/work plans, integrating theory with practical learning, and incorporating emerging technologies.
- (d) Academic Planning & Reference Material Development – Preparing quality reference materials, using open educational resources (OER), and structuring academic calendars effectively.

- (e) Culturally Responsive Teaching – Promoting diversity and inclusion, adapting to different learning styles, and module based teaching & evaluation.
- (f) Research Paper & Proposal Writing – Structuring research papers, writing proposals, maintaining academic integrity, and selecting high-impact journals.
- (g) Assessment & Evaluation Methods – Implementing effective assessment techniques, feedback mechanisms, and ensuring student engagement through innovative teaching practices.

5. **Governance, Policies, and Legal Framework of Gandaki University (5%)**

Overview of Gandaki University’s establishment, vision, academic structure, governance bodies, strategic plans, key acts, laws, and bylaws, and Nepal’s higher education policies.