

ALIGARH MUSLIM UNIVERSITY, ALIGARH

Scheme of Exam for Direct Recruitment for the post of Trained Graduate Teachers in AMU Schools

The Written test is of 120 marks (120 objective type multiple choice questions) carrying 01 mark for each question. The duration of written test will be 120 minutes without any time limit for each part individually.

Section Name – Nature of Questions

Part I- Proficiency in Language (12 marks)

A. General English (06 questions)

B. General Hindi (06 questions)

Part II- General Awareness, Reasoning & Proficiency in Computers (18 marks)

4. General Awareness & Current Affairs and Aligarh movement (10 questions)

5. Reasoning Ability (04 questions)

6. Computer Literacy (04 questions)

Part III- Perspectives on Education and Leadership (25 questions) (25 marks)

(a) Understanding the Learner (05 questions)

(b) Understanding Teaching Learning (05 questions)

(c) Creating Conducive Learning Environment (05 questions)

(d) School Organization and Leadership (05 question)

(e) Perspectives in Education (05 questions)

Part IV-Subject-specific Syllabus (65 marks)

Professional Competency Test:

The Professional Competency Test is of 70 marks (Demo Teaching 70 Marks).

Note: The Weightage of Written Test & Demo Teaching in drawing the Final Merit list will be 30:70 respectively.

Syllabus of Exam for Direct Recruitment of Trained Graduate Teachers:

Part I - Proficiency in Languages

(12 marks):

- (a) General English (10 questions)
Reading comprehension, word power, Grammar & usage
- (b) General Hindi (10 questions)
पठन कौशल शब्द सामर्थ्य, व्याकरण एवं प्रयुक्ति

Part II - General awareness, Reasoning & Proficiency in Computers

(18 marks):

- (a) General Awareness & Current Affairs and Aligarh movement (10 questions)
- (b) Reasoning Ability (4 questions)
- (c) Computer Literacy (4 questions)

Part III - Perspectives on Education and Leadership

(25 marks):

(c) Understanding the Learner (10 questions)

- Concept of growth, maturation and development, principles and debates of development. development tasks and challenges Domains of Development: Physical, Cognitive, Socio-emotional, Moral etc., deviations in
- Development and its implications.
- Understanding Adolescence: Needs, challenges and implications for designing institutional Support.
- Role of Primary and Secondary Socialization agencies. Ensuring Home school continuity

(d) Understanding Teaching Learning (15 questions)

Theoretical perspectives on Learning -Behaviourism, Cognitivist and Constructivism with special reference to their implications for:

- I. The role of teacher
- II. The role of learner
- III. Nature of teacher-student relationship
- IV. Choice of teaching methods
- V. Classroom environment
- VI. Understanding of discipline, power etc.
- **Factors affecting learning and their implications for:**
 - I. Designing classroom instructions,
 - II. Planning student activities and,
 - III. Creating learning spaces in school.
- **Planning and Organization of Teaching-Learning**
 - I. Concept of Syllabus and Curriculum, Overt and Hidden Curriculum, Principles of curriculum organization
 - II. Competency based Education, Experiential learning, etc.
 - III. Instructional Plans: -Year Plan, Unit Plan, Lesson Plan

- IV. Instructional material and resources
- V. Information and Communication Technology (ICT) for teaching-learning
- VI. Evaluation: Purpose, types and limitations. Continuous and Comprehensive.
- VII. Evaluation, Characteristics of a good tool.
- VIII. Assessment of learning, for learning and as learning: Meaning, purpose and as considerations in planning each.
- Enhancing Teaching Learning processes: Classroom Observation and Feedback, Reflections and Dialogues as a means of constructivist teaching.

(c.) Creating Conducive Learning Environment (06 questions).

- The concepts of Diversity, disability and Inclusion, implications of disability as social construct, types of disabilities-their identification and interventions
- Concept of School Mental Health, addressing the-curative, preventive and promotive dimensions of mental health for all students and staff. Provisioning for guidance and counselling.
- Developing School and community as a learning resource.

(d) School Organization and Leadership (06 questions)

- Leader as reflective practitioner, team builder, initiator, coach and mentor.
- Perspectives on School Leadership: instructional, distributed and transformative.
- Vision building, goal setting and creating a School development Plan.
- Using School Processes and forums for strengthening teaching learning-Annual Calendar, time tabling, parent teacher forums, school assembly, teacher development forums, using achievement data for improving teaching-learning, School Self-Assessment and Improvement.
- Creating partnerships with community, industry and other neighbouring schools and Higher Education Institutes - forming learning communities.

(e) Perspectives in Education (03 questions)

- Role of school in achieving aims of education.
- NEP-2020: Curriculum and Pedagogy in Schools: Holistic & Integrated Learning: Equitable and Inclusive Education: Learning for All; Competency based learning and Education.
- Guiding Principles for Child Rights, Protecting and provisioning for rights of children to safe and secure school environment, Right of Children to free and Compulsory Education Act, 2009.
- Historically studying the National Policies in education with special reference to school education;
- School Curriculum Principles: Perspective, Learning and Knowledge, Curricular Areas, School Stages, Pedagogy and Assessment

Part IV- Subject-specific Syllabus (65 marks):

Note The Weightage of Written Test & Demo Teaching in drawing the Final Merit list will be 30:70 respectively.

Syllabus for written examination for TGT (PHE)

Introduction, Foundations and Changing Trends in Physical Education

- Meaning and definition of physical education and its aim and objectives.
- Modern concept and scope of physical education need and importance of physical education
- Place of physical education in the total education process. playing surface, wearable gears and sports equipment,
- Changing Trends in Sports; technological advancements.
- Career Options in Physical Education
- Khelo-India and Fit-India Program

Anatomy, Physiology and Physiology of Exercise

- Definition and Importance of Anatomy and Physiology in exercise and sports
- Functions of Skeletal system, classification of bone and types of joints.
- Function and Structure of Circulatory system and heart.
- Function and Structure of Respiratory system.
- Physiological factors determining components o Effect of exercise on Muscular System of physical fitness.
- Effect of exercise on Cardio-Respiratory System

Psychology & Sports

- Definition & Importance of Psychology in Physical Education & Sports
- Adolescent Problems & Their Management
- Team Cohesion and Sport
- Personality; its definition & types (Jung Classification)
- Meaning, Concept & Types of Aggressions in Sports
- Psychological Attributes in Sports-Self Esteem, Mental Imagery, Self Talk, Goal Setting

Physical Fitness, Health and Wellness

- Meaning and Importance of Wellness, Health and Physical Fitness
- Components/Dimensions of Wellness, Health and Physical Fitness
- Traditional Sports & Regional Games for promoting wellness

Training in Sports

- Concept of Talent Identification and Talent Development in Sports
- Introduction to Sports Training Cycle - Micro, Meso, Macro Cycle
- Types & Method to Develop - Strength, Endurance and Speed
- Types & Method to Develop - Flexibility and Coordinative Ability

Health Education Sports & Nutrition

- Definition of Health, Health Education and Description of its components.
- Health Problems in India (Communicable and Non Communicable Diseases)
- School Health Services
- Concept of balance diet and nutrition; Macro and Micro Nutrients
- Food sources & functions; Nutritive & Non-Nutritive Components of Diet.
- Eating For Weight Control-A Healthy Weight, the Pit falls of Dieting.
- Importance of Diet in Sports and Pre, During and Post requirement

Contemporary Health Problems and Healthful living

- Abuse of alcohol, tobacco and drugs and the effects of abuse on individual, family and community
- Effect of alcohol, tobacco and drugs on sportsperson, eating habits that cause obesity and its effect on health of individual
- Concept of environment, scope of environment living environment, work place environment and environment for leisure activities.
- Essential element of healthful environment-safe water, low level of noise, clean air, sanitary
- Low levels of radioactive radiations and absence of hazards responsible for accidents surrounding.
 - (i) Home and neighbourhood/rural and urban areas
 - (ii) School and work place
 - (iii) During leisure time activities recreation sports, disaster
- Prevention of accidents related to transportation swimming and water preparedness and health care during disasters.

Prevention and first aid for common sports injuries

- Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)

Yoga as Preventive measure for Lifestyle Disease

- Meaning, Definition, Nature of Yoga, importance of yoga, Misconceptions related with Yoga
- Introduction to Yogic Kriyas (Shat Karma)
- **Diabetes:** Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bbujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana
- **Hypertension:** Procedure, Benefits & Contraindications for Tadasana, Katichakransan, Uttangadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasana.