

NAGALAND UNIVERSITY RECRUITEMENT SYLLABUS

GENERAL AWARENESS & APTITUDE TEST

PAPER- I
MARKS – 100.

Paper I General Awareness & Aptitude Test	Mode of Examination	Scheme	No. of Questions	Marks
	Written Test			
	i) MCQ for Scheme (a) to (f).	a) General Intelligence and Reasoning	30 (1x30=30)	30
	ii) Language Skills/ Basic Grammar can be of MCQ type or single word/idiom answer type (At least 2 questions from each category or not more than 3 questions from one type mentioned below)	b) General Awareness		
	iii) English Comprehension questions will also be developed in MCQ	c) Quantitative Aptitude	15 (1x15=15)	15
	iv) Descriptive	d) Basic Computer Knowledge	05 (1x5=5)	05
	Essay/Précis & Letter/ Application as per the required norm of the type and marks allotted to each question (One from the former two and one from the latter two)	e) Language Skills/ Basic Grammar	25 (1x25=25)	25
		f) Comprehension	05 (1x5=5)	05
		g) Composition: Essay/Précis & Letter/ Application	02 (2x10= 20)	20
		TOTAL		100

* From the given syllabus, questions have to be set for three different levels, viz,

(i) Graduate and above (ii) Class XII and (iii) Class X

Therefore, standards of the three levels have to be maintained in consistent with the educational qualifications prescribed for the post while developing the questions basing on the framed syllabus.

General Intelligence & Reasoning *

This component may include questions on analogies, similarities and differences, space visualization, spatial orientation, problem analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning and figural classification, arithmetic number series, non-verbal series, coding and decoding, statement conclusion, syllogistic reasoning, etc.

General Awareness *

Questions in this component will be aimed at testing the candidate's general awareness of the environment around and its application to society. It will also be designed to test the knowledge of current events and of such matters of every day observations and experiences in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture, Geography, Economics, General Policy & Politics and Scientific Research.

Quantitative Aptitude **

Questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of whole numbers, HCF & LCM, Decimals, Percentage, Ratio & Proportion, Averages, Interest, Profit and Loss, Time and distance, Time & Work, Heights and Distances, Bar diagram & Pie chart.

Quantitative Ability ***

Questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be the computation of number systems, LCM, Decimals, Percentage, Averages, Profit and Loss, Time and distance, Heights and Distances.

Language Skills/ Basic Grammar *

Questions in this component will be aimed at testing the language proficiency, especially the basic grammar and vocabulary: Prepositions, Articles, Modals, Verbs & Subjects, Adverbs, Adjectives, Parts of Speech, Tenses, Antonyms & Synonyms, and Idioms.

Comprehension: *

A text comprehensible by candidates of a particular category and will be aimed at testing the ability to understand the content of the given text and to perceive, abstract, infer, syllogise/compare, etc the information and meanings from it. Questions will include both direct and indirect testing.

Précis also falls in this category of comprehension but for the sake of question type, this is clubbed with the category of 'composition.' This will be aimed at an exercise in comprehending the given passage and orderly presenting the crux of indispensably crucial points of the given passage. Therefore, it will also be aimed at testing the ability of reading, writing, self-expression, etc. basing on the given text and presenting it in a summarized form.

Composition: *

This component will be aimed at testing the writer's composition ability in a particular type, especially the unity, orderly, brevity, style and personal touch to the subject treated. The form of a particular type will also be tested.

Note:

- * : For both Graduate level and below
- ** : Graduate Level
- *** : Below Graduate Level

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AUDIO VISUAL SPECIALIST

PAPER- II

MARKS: 100

Unit I : Photography

(10 marks)

Safety precautions and elementary first aid; Importance of personal cleanliness & Hygiene, Reasons for carrying out good housekeeping practices, Types, functions and uses of accessories, Types of lenses & their use, Types of filters & their uses, Flash setting, Function of tripod stand, Specifications of a digital camera. Advantages of digital camera, Various controls and features of a digital camera, Care and maintenance of camera and accessories, Shutter speed & aperture setting according to conditions, Frame setting & composing, Different types of printing paper and their uses.

Unit II : Videography

(15 marks)

Definitions of video and videography; Significance of Video in modern media; Specifications of a digital video camera; Advantages of digital video camera. Understanding of various parts of video camera; Various controls and features of a digital video camera, Understanding various types of daylight- applications. Introduction to three point lighting: The key light, the fill light and back light. Bounce and diffused light. Definition of Framing; Balancing frames, Placement of different objects in a Frame. Meaning of Shot; Detailed explanation of different types of shots- CloseUp, Mid shot, Long shot, Extreme Close-up, Extreme Long shot. Different types of Camera angle – Subjective, Objective, Point of View shot, Low angle and High angle shot. Camera movements- Panning & Tilting, Zoom In & Zoom out, Tracking shot. Rule of line of Axis in Camera movement, when to use different Camera shots. Care and maintenance of camera and accessories

Unit III : Audio

(25 marks)

Introduction to Audio, The field of audio work, working of sound wave, Sound wave properties, Sound wave interaction, Sound systems, Mono and Stereo sound Audio Cables & Connectors, XLR to $\frac{1}{4}$ " mono jack, XLR to stereo jack, XLR to RCA, Stereo Jack to 2 x RCA Balanced Audio, Unbalanced Audio Cables, Unbalanced Audio Connectors, Balanced Audio Cables, Removing Noise, Combining Balanced cables, Mixing wiring Configurations, How do Microphones Work, The Basics, High level, Low level I/P, Types of Microphone, Mic. Level & Line level, Dynamic Microphone, Condenser Microphones, RF Mics, Lapel Mics, Directional properties, Microphone Impedance, Microphone Frequency Response How to use Microphones, Introduction, Selection, Positioning, Stands & Mounts, Boom Mics, Hand Mics, Maintenance, Overview of Loudspeaker and PA system Audio Sequencing, Recording, Editing, Mixing, Mastering. Software knowledge, Basic knowledge on operation of Audio recording equipments and recording Software. Mono and Stereo Recording, Different types of Audio files.

Unit IV : Light

(25 marks)

Introduction to Lighting, requirement of Lighting, Sources of Light, Effects of Light, Heat/Temperature generated by different Sources of Light. Types of Light, Cool Light, Day Light, Ambient light, Indoor Lighting, Sun Gun, Key Light, Fill Light, Background Light, Soft Light, hard light, Spot Light. Light bouncer/ Reflector. Colour Temperature/ Colour Filter, Colour Temperature

of different sources of light- Sun light, HIMI, Tungsten lamp, Halogen lamp, CFL, Candle. Different types of Filters – Blue Filter, Red Filter, ND Filter. Use of Light (Lux / Lumen) meter. Basics of Audio, Different types of Microphones used in Video recording. Holding of Mic. Placing of microphone. Level adjustment. Wind Shield. Selection of Audio Channel. Basic Knowledge on Video Camera. The Basics of Video Camera, Types of camera. CCD Cameras Basic of White Balance and Black Balance, Selection of dB of gain, Selection of Colour Temperature. Basic knowledge on Power Supply, Single phase, Three phase. Neutral and Earthing. Wattage, Ampere, Voltage. Colour code of power chord wires.

Unit V : Editing

(25 marks)

Introduction to Video Editing, Sources of Video VTR, Camera, Camcorder, Computer DVD, Blue Ray, Hard disk store, CD. Types of Video , Video Formats , Umatic, Betacam, Mini DV, D8, DVC Pro, VHS, SVHS, DVD, 3GP, 3G2, MPEG. Analog Video – C CVS, Component video, Digital Video – SDI Types of Editing, Linear Editing Tape to Tape, Camera to Tape, Non Linear Editing Digital to Digital Analog to digital Basic Knowledge on Video Editing The Basics of VTR, DVD Player, Recorder, Insert mode, Assemble mode, Pre Roll, Time in, Time out, CTL, Time Code. Record, Standby, Shuttle, Jog, Search, Dub, Overlay, Voice over, Grab, Capture, Footage, Time line, Tracks- Audio, Video, Effect, Graphics, Gallery, Bin, Trim, Cut, Slow motion, Drag from gallery to Time line, Transition effect, Video effects, Rendering, Make Movie, Title graphics Video Switcher, Cabling knowledge, Remote control cable RS-422, Fade in, Fade out, Dissolve, Wipe, Cut , Effect transition, Title keying.

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