SYLLABI FOR WRITTEN TEST

FOR THE POST OF SENIOR PRODUCTION ASSISTANT

Mental Ability, Reasoning and Mathematical Skills :

Analogy, series completion, coding-decoding, blood relations, logical venn diagrams, alphabetical test, number ranking and time sequence test, mathematical operations, arithmetical reasoning, data interpretation.
Mathematics based on tenth standard of CBSE

Computer awareness
Basics of computer, Input and output devices and installation of printers and other input output devices., Introduction to Internet and Internet Applications, MS windows, MS-Word, MS-Excel, MS Power Point, MS Access, Virus and virus protection.

English Language Proficiency
English language based on tenth standard of CBSE

Post Specific Content

- **Script Writing:**

  Importance of idea generation/concept and research, Script Writing for Films (documentary, educational film and different video program formats), Writing words for pictures, Storyboard and its use.

- **Camera Techniques:**

  Single Camera and Multi Camera set up, types of camera and its usage, different camera techniques used in production, Basic Shots & Composition, Framing, Parts and functions of a Video Camera, Camera lens, Use of Filters in Camera, camera angles and movements, Specifications and selection of camera.

- **Lighting Techniques:**

  Basic Lighting Techniques, Special Lighting Techniques, Different Lighting Equipments

- **Recording Techniques:**

  Audio and video recording techniques, Outdoor Studio Recording (Specifications and selection of recording equipment, Types of Microphones on the basis of their construction and on the basis of the pick-up pattern, Uses of microphone, Use of Audio Mixer, types of Recording media (media used for professional, broadcast recordings). Audio and Video file formats and compression, dubbing.

- **Graphics and Animation Techniques:**

  Graphic fundamentals and applications, Graphics Editing software such as Adobe Photoshop, After Effects, GIMP, Google Sketch up etc. Animation need and applications, Animation software (2D vs 3D Animation) such as Flash, Blender etc.

- **<u>Audio and Video Editing:</u>**

  On line and offline editing, Specifications and selection of audio and video editing equipment, Linear and Non Linear Video Editing, Hardware &Types of Software for Audio and Non Linear Video Editing (Open source and Commercial), Video Editing Techniques (Cut on action, Cut away shots, Fades, Wipes, Cross dissolve, Video Compositing, Transitions, Video/Audio Effects, Continuity), Use of Chroma Key (How it is done, Types of backgrounds used).

- **<u>Web Conferencing and Video Streaming</u>**

  Concept of video conferencing and Digital content sharing in   Social Media, Need of real time video streaming, compression techniques, codecs, media for video streaming, video generation for Social Media.

- **<u>NPTEL, SWAYAM MOOCs content generation, editing and sharing.</u>**

- **<u>AR/VR software</u>** : Concept and fundamentals of AR/VR/MR.

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