**LIST OF REQUIRED EQUIPMENT FOR 5 MEDIA STUDIO**

|  |  |  |
| --- | --- | --- |
| **Video recording** | | |
| **Description** | **Unit** | **Quantity** |
| **MIRRORLESS DIGITAL CAMERA (Body Only)** **with additional battery:**  Sensor Type 35.6 x 23.8 mm (Full-Frame) CMOS /Sensor Resolution Actual: 25.3 Megapixel/Effective: 24.2 Megapixel (6000 x 4000)/Crop Factor None/Aspect Ratio 3:2, 16:9/Image File Format JPEG, Raw/Bit Depth 14-Bit/Image Stabilization Sensor-Shift, 5-Axis/ Exposure Control ISO Sensitivity Auto, 100 to 51200 (Extended: 50 to 204800)/ Shutter Speed 1/8000 to 30 Seconds/ Bulb Mode/ Metering Method Center-Weighted Average, Highlight Weighted, Multi-Zone, Spot/ Exposure Modes Aperture Priority, Auto, Manual, Program, Shutter Priority /Exposure Compensation -5 to +5 EV (1/3, 1/2 EV Steps) /Metering Range -3 to 20 EV/ White Balance Auto, Cloudy, Color Temperature, Custom, Daylight, Flash, Fluorescent (Cool White), Fluorescent (Daylight), Fluorescent (Warm White), Incandescent, Shade, Underwater /Continuous Shooting Up to 10 fps at 24.2 MP for up to 89 Frames (Raw) / 177 Frames (JPEG)/Up to 8 fps at 24.2 MP Up to 6 fps at 24.2 MP Up to 3 fps at 24.2 MP /Self-Timer 2/5/10-Second Delay/ Video Recording Modes XAVC S/H.264 UHD 4K (3840 x 2160) at 23.976p/25p/29.97p [60 to 100 Mb/s] Full HD (1920 x 1080) at 100p/119.88p [60 to 100 Mb/s] Full HD (1920 x 1080) at 23.976p/25p/29.97p/50p/59.94p [50 Mb/s] Full HD (1920 x 1080) at 50p/59.94p [25 Mb/s] Full HD (1920 x 1080) at 25p/29.97p [16 Mb/s] AVCHD/H.264 Full HD (1920 x 1080) at 50i/59.94i [24 Mb/s] Full HD (1920 x 1080) at 50i/59.94i [17 Mb/s] External Recording Modes 4:2:2 8-Bit UHD 4K (3840 x 2160) at 24.00p/25p/29.97p Full HD (1920 x 1080) at 24.00p/50i/50p/59.94i/59.94p /Video Encoding NTSC/PAL / Audio Recording Built-In Microphone (Stereo) /External Microphone Input /Audio File Format AC3, Dolby Digital 2ch, Linear PCM (Stereo) /Focus Type Auto and Manual Focus/ Focus Mode Automatic (A), Continuous-Servo AF (C), Direct Manual Focus (DMF), Manual Focus (M), Single-Servo AF (S)/ Autofocus Points Phase Detection: 693/ Contrast Detection: 425/ Autofocus Sensitivity -3 to +20 EV/ Viewfinder Electronic Size 0.5" Resolution 2,359,000 Dot / Viewfinder Eye Point 23 mm / Viewfinder Coverage 100% / Viewfinder Magnification Approx. 0.78x / Diopter Adjustment -4 to +3 /Monitor Size 3.0" / Resolution 921,600 Dot / Display Type Tilting Touchscreen LCD / FlashBuilt-In Flash No / Flash Modes Auto, Fill Flash, Hi-Speed Sync, Off, Rear Sync, Red-Eye Reduction, Slow Sync, Wireless / Maximum Sync Speed 1/250 Second / Flash Compensation -3 to +3 EV (1/3, 1/2 EV Steps)/ Dedicated Flash System TTL / External Flash Connection Hot Shoe /Interface Media/Memory Card Slot Slot 1: SD/SDHC/SDXC (UHS-II) / Slot 2: SD/SDHC/SDXC/Memory Stick Duo Hybrid (UHS-I) / Connectivity 3.5mm Headphone, 3.5mm Microphone, HDMI D (Micro), USB Type-C (USB 3.0) / Wireless Wi-Fi/ Bluetooth / GPS | each | 5 |
| **MIRRORLESS DIGITAL CAMERA (BODY ONLY) WITH ADDITIONAL BATTERY**  Sensor Type 23.5 x 15.6 mm (APS-C) CMOS/ Sensor Resolution Actual: 25 Megapixel Effective: 24.2 Megapixel (6000 x 4000)/ Crop Factor 1.5x /Aspect Ratio 1:1, 3:2, 16:9/ Image File Format JPEG, Raw/ Bit Depth 14-Bit/ Image Stabilization Sensor-Shift, 5-Axis/ Exposure Control ISO Sensitivity Auto, 100 to 32000 (Extended: 100 to 102400) / Shutter Speed Mechanical Shutter 1/4000 to 30 Second /Bulb Mode/ 1/4000 to 1/4 Second in Movie Mode /Metering Method Center-Weighted Average, Multi-Zone, Spot /Exposure Modes Aperture Priority, Auto, Manual, Program, Shutter Priority / Exposure Compensation -5 to +5 EV (1/3, 1/2 EV Steps)/ Metering Range -2 to 20 EV /White Balance Auto, Cloudy, Color Temperature, Custom, Daylight, Flash, Fluorescent (Cool White), Fluorescent (Day White), Fluorescent (Daylight), Fluorescent (Warm White), Incandescent, Shade, Underwater /Continuous Shooting Up to 11 fps at 24.2 MP for up to 46 Frames (Raw) / 116 Frames (JPEG) /Up to 8 fps at 24.2 MP Up to 6 fps at 24.2 MP Up to 3 fps at 24.2 MP/ Interval Recording Yes/ Self-Timer 2/5/10-Second Delay /Video Recording Modes XAVC S/ UHD 4K (3840 x 2160) at 24.00p/25p/29.97p [60 to 100 Mb/s] Full HD (1920 x 1080) at 100p/119.88p [60 to 100 Mb/s] Full HD (1920 x 1080) at 24.00p/25p/29.97p/50p/59.94p [50 Mb/s] AVCHD Full HD (1920 x 1080) at 50i/59.94i [17 to 24 Mb/s] External Recording Modes 4:2:2 8-Bit UHD 4K (3840 x 2160) at 24.00p/25p/29.97p Full HD (1920 x 1080) at 24.00p/50i/50p/59.94i/59.94p / Recording Limit Unlimited/ Video Encoding NTSC/PAL /Audio Recording Built-In Microphone (Stereo) /External Microphone Input (Stereo) /Audio File Format AC3, Dolby Digital 2ch, Linear PCM (Stereo)/ Focus Type Auto and Manual Focus / Focus Mode Automatic (A), Continuous-Servo AF (C), Direct Manual Focus (DMF), Manual Focus (M), Single-Servo AF (S) /Autofocus Points Phase Detection: 425 Contrast Detection: 425/ Autofocus Sensitivity -2 to +20 EV /Viewfinder Type Electronic (OLED) /Viewfinder Size 0.39"/ Viewfinder Resolution 2,359,296 Dot /Viewfinder Eye Point 23 mm/ Viewfinder Coverage 100% /Viewfinder Magnification Approx. 0.7x/ Diopter Adjustment -4 to +3/ Monitor Size 3.0" /Resolution 921,600 Dot/ Display Type 180° Tilting Touchscreen LCD/ Flash Built-In Flash None/ Flash Modes Auto, Fill Flash, Hi-Speed Sync, Off, Rear Sync, Red-Eye Reduction, Slow Sync, Wireless Maximum Sync Speed 1/160 Second/ Flash Compensation -3 to +3 EV (1/3, 1/2 EV Steps) / Dedicated Flash System TTL / External Flash Connection Hot Shoe, Wireless / Media/Memory Card Slot Single Slot: SD/SDHC/SDXC/Memory Stick Duo Hybrid (UHS-I)/ Connectivity 3.5mm Headphone, 3.5mm Microphone, HDMI D (Micro), USB Micro-B (USB 2.0)/ Wireless Wi-Fi Bluetooth | each | 15 |
| **CAMERA LENS**  Focal Length 24 to 105mm/ Maximum Aperture f/4/ Minimum Aperture f/22 /Lens Mount (должна совпадать с камерой) /Format Compatibility Full-Frame /Angle of View 84.1° to 23.3°/ Minimum Focus Distance 1.48' / 45 cm /Maximum Magnification 0.22x /Macro Reproduction Ratio 1:4.6/ Optical Design 19 Elements in 14 Groups /Diaphragm Blades 9, Rounded / Focus Type Autofocus/ Image Stabilization | each | 10 |
| **CAMERA LENS**  Focal Length 35mm (35mm Equivalent Focal Length: 52.5mm) /Maximum Aperture f/1.8 /Minimum Aperture f/22 /Lens Mount/ Angle of View 44°/ Minimum Focus Distance 11.81" / 30 cm /Maximum Magnification 0.15x / Optical Design 8 Elements in 6 Groups /Diaphragm Blades 7, Rounded /Focus Type Autofocus /Image Stabilization Yes/Filter Size 49 mm (Front) | each | 5 |
| **CAMERA LENS**  Focal Length 24 to 70mm / Maximum Aperture f/2.8 /Minimum Aperture f/22 /Format Compatibility Full-Frame /Angle of View 84.1° to 34.3° /Minimum Focus Distance 7.09" / 18 cm /Maximum Magnification 0.34x /Optical Design 19 Elements in 15 Groups /Diaphragm Blades 11, Rounded /Focus Type Autofocus /Image Stabilization No /Filter Size 82 mm (Front) | each | 5 |
| **VIDEO TRIPOD**  Material Aluminum alloy / Load Capacity 8.8 lb / 4 kg/ Base Diameter 1.7" / 4.3 cm/ Quick Release Plate Yes; 501PL / Panning Range 360° /Tilt Range -90° to 65° /Pan & Tilt Drag Fixed drag, non-adjustable /Separate Panning Lock Yes /Spirit Level Yes, 1/ Legs Material Aluminum alloy /Maximum Height 59.1" / 150 cm /Maximum Height w/o Column Extended 52.4" / 133 cm /Folded Length 15.7" / 40 cm /Leg Stages/Sections 4 /Leg Lock Type M-lock twist lock /Independent Leg Spread Yes /Feet Rubberized | each | 10 |
| **VIDEO TRIPOD**  Load Capacity 15.4 lb / 7 kg /Maximum Working Height 63" / 160 cm /Max Height without Center Column 53.1" / 135 cm/ Minimum Working Height 3.5" / 8.9 cm /Folded Length 23.2" / 58.9 cm / Head Mount Type 3/8"-16 Screw /Weight 4.3 lb / 2 kg /Materials Aluminum Alloy / Leg Lock Type Flip Lock / Independent Leg Spread Yes / Leg Sections 3/ Center Column Features Removable /Center Column Shape Faceted /Center Column Sections 1 /Center Column Extension Type Rapid | штука | 10 |
| **COMPACT DIGITAL WIRELESS MICROPHONE SYSTEM/RECORDER**  Wireless Transmission Digital 2.4 GHz / Included Transmitters 2 x Bodypack with Microphone / Diversity Non-Diversity / Max Operating Range 656.2' / 200 m /Max Systems per Setup 4 /Control App Support Yes /Latency 3.5 to 4 ms /Encryption 128-Bit/ Receiver Form Factor Beltpack /Mounting Options Belt Clip (with Included Hardware) /Antenna 1 x Internal/ Number of Audio Channels 2 /Audio I/O 1 x 1/8" / 3.5 mm TRS Female Unbalanced Mic Output /Gain Range -24 to 0 dB (12 dB Steps) /USB/Lightning Connectivity 1 x USB Type-C (Audio, Bus Power, Charging)/ Battery or Bus Power (USB) /Battery Type 1 x Built-In Rechargeable (Included) /Battery Charging Time 2 Hours/Approx. Battery Life 7 Hours /Display & Indicators 1 x Graphic LCD (AF Level, Battery Status, Metering, RF Level, Transmitter Battery Status) /Dimensions 1.7 x 1.8 x 0.7" / 4.4 x 4.5 x 1.8 cm /Weight 1.1 oz / 32 g /Transmitter Form Factor Bodypack with Microphone /Audio I/O 1 x 1/8" / 3.5 mm TRS Female Unbalanced Input /Muting Off/On Switch / Audio Input Level -20 dBV (Max) / Auto-Level Control No/ Gain Range +20 dB / Signal Processing None /Sync Method Proprietary Antenna 1 x Internal Power Requirements Battery or Bus Power (USB) /Battery Type 1 x Built-In Rechargeable (Included)/ Battery Charging Time 2 Hours Approx. Battery Life 7 Hours /USB/Lightning Connectivity 1 x USB Type-C (Bus Power, Charging) / Display & Indicators 1 x LED (Sync) /1 x LED (Battery Status) /Dimensions 1.7 x 1.8 x 0.7" / 4.4 x 4.5 x 1.8 cm /Weight 1.1 oz / 30 g /Microphone Form Factor Integrated /Sound Field Mono / Operating Principle Pressure Operated /Capsule Electret Condenser/ Polar Pattern Omnidirectional Frequency Range 50 Hz to 20 kHz /Equivalent Noise Level 22 dB A-Weighted /Maximum SPL 100 dB SPL | Set | 5 |
| **MICROPHONE**  Form Factor Lavalier /Sound Field Mono /Operating Principle Pressure Operated / Capsule Electret Condenser/ Diaphragm 0.18" / 4.5 mm /Polar Pattern Omnidirectional /Pad None /High-Pass Filter None /Windscreen Foam (Included) /Performance Frequency Range 20 Hz to 20 kHz / Maximum SPL 110 dB SPL /Impedance 3 Kilohms /Sensitivity -35 dB /Output Level 189 mV (Max) / Dynamic Range 83 dB / Signal-to-Noise Ratio 67 dB /Equivalent Noise Level 27 dB /Connectivity Output Connectors 1 x 1/8" / 3.5 mm TRS Male /Cable Length 3.9' / 1.2 m /Power Operating Voltage 2.7 V (Plug-In Power) | each | 10 |
| **MEMORY CARD**  Card Type SDXC / Storage Capacity 64 GB / Bus Type UHS-I /Speed Class 10 /UHS Speed Class U3 /Video Speed Class V30 /Read Speed Maximum: 170 MB/s / Write Speed Maximum: 90 MB/s Minimum: 30 MB/s | each | 25 |
| **DESKTOP**  Operating System Windows 10 Home (64-Bit) /Chipset Intel Z590 /CPU Socket LGA 1200 /CPU 3.5 GHz Intel Core i7 Quad core (11th Gen) or higher /Maximum Boost Speed 5.3 GHz /L3 Cache 16 MB /Memory Type DDR4/Total Installed Memory 16 GB/Memory Configuration 2 x 8 GB (User-Replaceable) /Maximum Memory Capacity 128 GB /Memory Slot Type 288-Pin DIMM /Memory Slots 4 (2 Available) /Graphics Type Dedicated /GPU NVIDIA GeForce RTX 3060 with 12 GB GDDR6 VRAM /Storage and Expansion /Total Drive Bays 2 x 2.5/3.5" (Internal) 2 x 2.5" (Internal) /SSD Slots 1 x M.2 (In Use) /Total Installed Capacity 2.5 TB /Solid State Storage 1 x 500 GB M.2 NVMe PCIe / Hard Disk Storage 1 x 2 TB 3.5" SATA (5400 rpm) /PCI Expansion 1 x PCIe x16 (In Use) /1 x PCIe x16 (Available) /1 x PCIe x1 (In Use) 1 x PCIe x1 (Available) /Ports 1 x PS/2 /6 x USB Type-A (USB 3.1 / USB 3.2 Gen 1) /2 x USB Type-A (USB 2.0) /Display 1 x HDMI /1 x DisplayPort /Audio 3 x 1/8" / 3.5 mm Line Output /Built-In Speakers None /Built-In Microphones None /Media/Memory Card Slot None /Ethernet 1 x RJ45 (Gigabit) /Wi-Fi 5 (802.11ac) /MU-MIMO Support Yes | each | 10 |
| **LAPTOP**  CPU 2.8 GHz Intel Core i7-1165G7 Quad-Core (11th Gen) /Maximum Boost Speed 4.7 GHz L3 Cache 12 MB /Memory Type 3200 MHz DDR4 /Total Installed Memory 8 GB /Memory Configuration 1 x 8 GB (User-Replaceable) /Maximum Memory Capacity 32 GB /Memory Slot Type 260-Pin SO-DIMM /Memory Slots 2 (1 Available) /Graphics Type Integrated /Display Panel Type IPS-Type LCD /Size 15.6” /Aspect Ratio 16:9 /Resolution 1920 x 1080 /Touchscreen No / Maximum Brightness 250 cd/m2 /Color Gamut 45% NTSC /SSD Slots 1 x M.2 PCIe (In Use) /Total Installed Capacity 256 GB /Solid State Storage 1 x 256 GB M.2 NVMe PCIe /Optical Drive None/Ports 3 x USB Type-A (USB 3.1 / USB 3.2 Gen 1) /USB Type-C Ports 1 x USB 3.1 / USB 3.2 Gen 2 (Supports DisplayPort and Power Delivery) /Display 1 x HDMI 1.4b /Audio 1 x 1/8” / 3.5 mm Headphone/Microphone Input/Output /Built-In Speakers 2 x 2 W /Built-In Microphones 2 /Media/Memory Card Slot Single Slot: microSD/microSDHC/microSDXC /Ethernet1 x RJ45 (Gigabit) /Wi-Fi 5 (802.11ac); Dual-Band (2.4 & 5 GHz) /MU-MIMO Support 2 x 2 /Bluetooth 5.0 /GPS None /NFC No /Webcam User-Facing: 720p /Battery Chemistry Lithium-Ion Polymer (LiPo) /Capacity Non-Removable 3-Cell: 45 Wh | each | 10 |
| **LED Monitor**  Rated voltage 100–240 V~/ Rated current 1.5A/ Screen size 27 inches / Recommended resolution 2560 × 1440 / Maximum resolution 2560 × 1440 / Visible area (diagonal) 68.6 cm / Response time 1ms (IMBC), 4ms (GTG) / Refresh rate 165Hz / Color gamut 95% DCI-P3, 100% Srgb / Number of colors 16.7 million / HDR VESA DisplayHDR™ 400 / Contrast 1000:1 (TYP) / Rated power 35W (TYP), 75W Max /Dot pitch /0.2331 (H) × 0.2331 (V) / Operating temperature 0°C to 45°C /Net weight 6.53kg /Operating humidity 20% RH-80% RH/ Dimensions 609.44 (L) × 200.00 (W) × 461.25 (H)mm /Stand Supports vertical adjustment/tilting/rotating/portrait mode/wall mounting (75 × 75mm) | each | 10 |
| **WIRED KEYBOARD AND MICE** | each | 10 |
| **TWO-WAY STUDIO MONITOR**  Drivers LF Driver: 5.0” / 127.0 mm /HF Driver: 1.0” / 25.4 mm HF Driver Type: Soft dome Crossover 1725 Hz 4th order acoustic Linkwitz-Riley /Magnetic Shielding Yes /Input Sensitivity 92 Db at 3.3’ / 1 m (-10 Dbv input) /Power Configurations Bi-amplified /HF Driver Power Amp 41 W, Class-D LF Driver Power Amp 41 W, Class-D /Frequency Response 49 Hz to 20 kHz (±3 Db) /Frequency Range 43 Hz to 24 kHz (-10 Db) /Low Frequency Extension 43 Hz /SPL Continuous: 94 Db /Peak: 108 Db /Maximum Input Maximum Peak Input Level (-10 Dbv / +4 dBu): +6 Dbv / +20.3 dBu /THD System Distortion Criteria: <10% THD at maximum output with full compressor / limiter engagement /Electrical Distortion Criteria: 0.2% THD @ 1 kHz / 2.83 VRMS output; <1% THD @ 1 kHz, full rated output /Signal to Noise Ratio 75 Dba (A-weighted), 70 dBr (unweighted), relative to 2.83 VRMS output /Dispersion H x V: 120° x 90° /Inputs 1 x XLR female (balanced) /1 x TRS female (balanced) / HF Trim Control -2 Db, 0 Db, +2 Db /Equalization Boundary EQ: LF Shelf at 50 Hz: -3 Db, -1.5 Db, 0 Db /Enclosure Type Ported | Set | 5 |
| **NEARFIELD MONITORS (PAIR)**  Monitor Type Active 2-Way/ Enclosure Bass-Reflex, Shielded / Power Rating 25 W RMS per Channel /Drivers 1 x 3.5” / 88.9 mm Kevlar Woofer /1 x 1” / 25.4 mm Silk Dome Tweeter /Amplification 2 x Full-Range Amplifier: Class-AB Rated at 25 W /Frequency Response 80 Hz to 20 kHz /Maximum Sound Pressure Level (SPL) 100 Db /Output Current Limiting, Peak Limiter, Subsonic Filter, Thermal Limiting Signal Processing /EQ LF Shelf: -6 to +6 Db at 100 Hz (Continuously Variable Db Increments) /HF Shelf: -6 to +6 Db at 10 kHz (Continuously Variable Db Increments) /Parametric EQ None / Crossover Frequency 2.8 kHz /Connectivity Audio I/O 2 x 1/4” TRS Balanced Female Analog Input (10 Kilohms) /2 x RCA Unbalanced Female Analog Input /1 x 1/8” / 3.5 mm TRS Unbalanced Female Analog Input /1 x 1/8” / 3.5 mm TRS Unbalanced Female Analog Output /AC Input Power 100 to 120 VAC, 50/60 Hz /220 to 240 VAC, 50/60 Hz | Set | 5 |
| **PODCASTING KIT** |  |  |
| **PROFESSIONAL SEMI-OPEN STEREO HEADPHONES**  Driver Type Dynamic / Design Over-Ear (Circumaural) /Earcup Style Semi-Open-Back /Frequency Response 15 Hz to 25 kHz /Sensitivity 104 dB /Impedance 55 Ohms /Maximum Power Handling 200 mW /Foldable No /Audio Connector to Source 1/8" / 3.5 mm TRS /Connector Plating Gold /Adapter (Included) 1/4" /Cable Design Single-Sided /Detachable Yes /Cable Length 9.8' / 2.99 m 16.0' / 4.88 m (Coiled) | each | 10 |
| **LED 4K Ultra HD Smart TV Wi-Fi**  Display diagonal: 165.1 cm (65"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: LED, Screen shape: Flat. Smart TV. Motion interpolation technology: PQI (Picture Quality Index) 2800, Native aspect ratio: 16:9. Digital signal format system: DVB-C,DVB-S2,DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black | each | 5 |
| **MONOCHROME ALL-IN-ONE LASER PRINTER:**  Print & Scan Resolution: 600 x 1200 dpi / Print Speed’s min 40 ppm / Scan Speeds min 35 ipm / Copy Resolution: min 600 x 600 dpi / Maximum Paper Size: A4 / Scan to USB memory device / Duplex Printing: Yes / USB, Ethernet, Wi-Fi Connectivity | each | 5 |
| **AIR CONDITIONER:**  Wall type / Modes of operation: cold / warm / Cooling/warming space: 100 sq.m. / Freon: R-410A / Features: possibility of adjusting the direction of the air flow / system against ice formation / function of memorizing settings / warm start | each | 5 |
| **Световое оборудование** | | |
| **LED STUDIO VIDEO BI-COLOR SOFT 1200D 3-LIGHT PANEL BUNDLE**  Color Temperature 3200 to 5600K /Color Modes Full RGB Tuning /Color Accuracy Standard CRI 97 /Cooling System Passive/ Dimming Yes, 0 to 100% (Continuous) /Display LED /Housing Material Aluminum /Photometrics 678.2 fc / 7300 Lux at 3.28' / 1 m /Number of LEDs 928 /Fixture Dimensions 12.8 x 12.6 x 2.9" / 326.0 x 320.0 x 73.0 mm /Fixture Weight 6.2 lb / 2.8 kg /Connectors Battery Plate 2 x Sony L-Series (NP-F) /Fixture Mount 5/8" Receiver / Yoke Type Yoke/Bracket / Remote Control Type Bluetooth / Power AC Input Power 100 to 240 VAC, 50 / 60 Hz AC Input Power VAC50 / 60 Hz DC Input Power 15 VDC / Power Source AC Adapter, External Battery /Max Power Consumption 50 W | Set | 5 |
| **Программное обеспечение** | | |
| Adobe Creative cloud | Set | 10 |
| Microsoft Office 365 | Set | 20 |
| Kaspersli AntiVirus | Set | 20 |
| Installation of studio equipment in 5 studios and locations of Ministry of Education and Science of Tajikistan affiliated institutions |  |  |