

SCHEDULE X

Minimum essential requirements for department of Rasashastra and
Bhaishajya kalpana including teaching pharmacy

| Serial number | Standard or item required | Minimum requirement as per intake capacity | | | | Available Quantity | Deficiency |
|------------------------------|---|--|-----|-----|-----|--------------------|------------|
| | | 60 | 100 | 150 | 200 | | |
| 1. | Computer with internet | 1 | 1 | 1 | 1 | 1 | |
| 2. | Printer | 1 | 1 | 1 | 1 | 1 | |
| 3. | Electronic-Display (Smart board or smart television or light emitting diodes display) | 1 | 1 | 2 | 2 | 1 | |
| Teaching pharmacy cum museum | | | | | | | |
| 4. | Khalva yantra - small | 10 | 15 | 20 | 25 | 10 | |
| 5. | Khalva yantra - medium | 10 | 15 | 20 | 25 | 10 | |
| 6. | Khalva yantra - porcelain (different sizes) | 10 | 15 | 20 | 25 | 10 | |
| 7. | Taptakhalva yantra | 3 | 5 | 8 | 10 | 3 | |
| 8. | Pounding apparatus (ulukhala yantra) | 3 | 5 | 8 | 10 | 3 | |
| 9. | Pestle and mortar glass | 2 | 2 | 5 | 5 | 2 | |
| 10. | Putas (different kind) | 3 | 3 | 5 | 8 | 3 | |
| 11. | Koshti with blower | 2 | 4 | 6 | 8 | 2 | |
| 12. | Moosha (crucibles) | 30 | 30 | 50 | 50 | 30 | |
| 13. | Dola yantra | 1 | 1 | 1 | 1 | 1 | |
| 14. | Valuka yantra | 1 | 1 | 1 | 1 | 1 | |
| 15. | Pithara yantra | 1 | 1 | 1 | 1 | 1 | |
| 16. | Bhudhara yantra | 1 | 1 | 1 | 1 | 1 | |
| 17. | Distillation apparatus and arka yantra | 1 | 1 | 1 | 1 | 1 | |
| 18. | Kupipakva bhatti | 1 | 1 | 1 | 1 | 1 | |
| 19. | Digital balance | 1 | 1 | 1 | 1 | 1 | |
| 20. | Bottle sealing machine (Manual / Automic) | 1 | 1 | 1 | 1 | 1 | |
| 21. | Sealing machine | 1 | 1 | 1 | 1 | 1 | |
| 22. | Filling machine | 1 | 1 | 1 | 1 | 1 | |
| 23. | Distillation apparatus glass or Ark yantra one litre | 2 | 2 | 4 | 4 | 2 | |
| 24. | Wet grinder | 1 | 1 | 1 | 1 | 1 | |
| 25. | Mixer or grinder | 1 | 1 | 1 | 1 | 1 | |
| 26. | Juice extractor | 1 | 1 | 1 | 1 | 1 | |
| 27. | Ball mill (Stainless steel balls)(| As Desirable | | | | | |
| 28. | Tincture press | 1 | 1 | 1 | 1 | 1 | |
| 29. | Refrigerator | 1 | 1 | 1 | 1 | 1 | |
| 30. | Amirah and racks for storage | As required | | | | | |
| 31. | Electronic balance of different capacities (up to 100 grms with accuracy 1.0 milligram, 100 -1000 grams with accuracy 1.0 gram, 1 kilogram and above) | 3 | 3 | 3 | 3 | 3 | |
| 32. | Gas stoves | 1 | 1 | 1 | 1 | 1 | |
| 33. | Hot plate | 1 | 1 | 1 | 1 | 1 | |
| 34. | Chulla (charcoal) | 1 | 1 | 1 | 1 | 1 | |
| 35. | Pulveriser (Lab Model) | 1 | 1 | 1 | 1 | 1 | |
| 36. | Granulator | 1 | 1 | 1 | 1 | 1 | |
| 37. | Hand operated tablet punching machine | 1 | 1 | 1 | 1 | 1 | |
| 38. | Tablet coating Pan unit with hot air blower laboratory size | 1 | 1 | 1 | 1 | 1 | |
| 39. | Tablet polishing pan laboratory size | 1 | 1 | 1 | 1 | 1 | |

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|-----|--|--------------|---|----|----|-----------|--|
| 40. | Dryer | 1 | 1 | 1 | 1 | 1 | |
| 41. | Homogenizer | 1 | 1 | 1 | 1 | 1 | |
| 42. | Pills making machine | As Desirable | | | | Available | |
| 43. | End runner machine | As Desirable | | | | Available | |
| 44. | Edge runner machine | As Desirable | | | | Available | |
| 45. | Capsule filling machine | As Desirable | | | | Available | |
| 46. | Double cone blender | As Desirable | | | | Available | |
| 47. | Liquid filling machine | As Desirable | | | | Available | |
| 48. | Planetary mixer (Lab Model)for ointment or cream | 1 | 1 | 1 | 1 | 1 | |
| 49. | Mechanised kharal- two or four arms | As Desirable | | | | Available | |
| 50. | Chimney or air handling unit | As Desirable | | | | Available | |
| 51. | Mohs hardness test kit | 5 | 8 | 10 | 12 | 5 | |
| 52. | Hot air oven | 1 | 1 | 1 | 1 | 1 | |
| 53. | Walkers steel yard (for specific gravity of minerals) | As Desirable | | | | Available | |
| 54. | Automatic flask shaker | 1 | 1 | 1 | 1 | 1 | |
| 55. | Water bath | 1 | 1 | 1 | 1 | 1 | |
| 56. | Digital pH (per Hydrogen ion Concentration) meter | 1 | 1 | 1 | 1 | 1 | |
| 57. | Tablet hardness tester | 1 | 1 | 1 | 1 | 1 | |
| 58. | Muffle furnace (Horizontal) 12 inches x 12 inches x 18 inches digital x maximum temp 1250°C. | 1 | 1 | 2 | 2 | 1 | |
| 59. | Muffle furnace (Horizontal) (ash content tester) x digital display x maximum temp 900°C | 1 | 1 | 2 | 2 | 1 | |
| 60. | Vertical furnace - Kupa pack type (two bottles) X Digital X Maximum temp 900°C | 1 | 1 | 2 | 2 | 1 | |
| 61. | Non-contact infrared thermocouple K- type | 1 | 1 | 2 | 2 | 1 | |
| 62. | Thermocouple K-type | 1 | 1 | 2 | 2 | 1 | |
| 63. | Desiccator glass | As Desirable | | | | Available | |
| 64. | Desiccator with vacuum | As Desirable | | | | Available | |
| 65. | Vacuum pump | As Desirable | | | | Available | |
| 66. | Collapsible tube - filling and sealing equipment | As Desirable | | | | Available | |
| 67. | Brass vessel | Assorted | | | | Available | |
| 68. | Copper vessel | | | | | Available | |
| 69. | Steel vessel | | | | | Available | |
| 70. | Earthen vessels-pots | | | | | Available | |
| 71. | Porcelain crucible | | | | | Available | |
| 72. | Jars (porcelain) fermentation purpose | | | | | Available | |
| 73. | Enamel trays | | | | | Available | |
| 74. | Tray drier | | | | | Available | |
| 75. | Hand grinding mill | | | | | Available | |
| 76. | Pressure cooker | | | | | Available | |
| 77. | Mearuning equipement's different size (glass) | | | | | Available | |
| 78. | Pyrometer | | | | | Available | |
| 79. | Thermometer | | | | | Available | |
| 80. | Frying pan | | | | | Available | |
| 81. | Steel vessel | | | | | Available | |
| 82. | Spatula | | | | | Available | |
| 83. | Ladles and spoons | | | | | Available | |
| 84. | Knife | Available | | | | | |
| 85. | Plates | Available | | | | | |

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|-----|--|-------------|-----------|--|
| 86. | Samdamsa yantra (tongs) | | Available | |
| 87. | Sieves (assorted numbers and size) | | Available | |
| 88. | Kitchen aprons | | Available | |
| 89. | Steel trays | | Available | |
| 90. | Oven gloves | | Available | |
| 91. | Kadahi - iron | | Available | |
| 92. | Aluminium vessels | | Available | |
| 93. | Clay graphite silver melting crucible maximum temp 1500°C | | Available | |
| 94. | Crucible tongs 18 inches Stainless steel | | Available | |
| 95. | Ointment spatula | | Available | |
| 96. | Lipstick moulds | | Available | |
| 97. | Specimens of Rasashastra and Bhaishajya Kalpana related samples in suitable display containers | As required | Available | |

(Signature)

Principal
Pa.Pu.Gurumauli Annesaheb More
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Signature of Chairman