**Proposed Guidelines for B.A (H) History, I Semester**

**GE-II: Science, Technology and Humans: Contested Histories**

**Paper Code: 12315111**

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| **Topic** | **Author Name/ Chapter/Article** |
| Revisiting ‘Scientific Revolution’ | Marcus Hellyer (2003), Kapil Raj (2017), गुणाकर मुले (2005) |
| Colonialism and Science | David Arnold (2004), Biswamoy, Pati & Harrison, Mark. (2001) |
| Decimal and Zero | Meera Nanda (2016) |
| Arch and Dome | IGNOU Reading material: EHI-03 Block-8 Unit-31 & 33 and EHI 04 Block-8 Unit-33 |
| Mitigating uncertainties: Popular saying and predictions | Mayank Kumar (2013), मयंक कुमार (2015) |
| Hegemony of documentation | Richard Grove (1996) |
| Generic Medicines | Pradip Mazumdar (2017) |
| Industrial Disasters | Vijay K. Nagaraj and Raman, Nithya V. (2007) |
| Atomic Power | D.D Kosambi (2016) |
| Policies and Institutions | Eliot Marshal (2007), V.V Krishna (2013) |
| Homi Jehangir Bhaba, Meghnad Shaha | Somaditya Banerjee (2016), Spenta R. Wadia (2009) |

**References**

Marcus Hellyer (2003), Editor’s Introduction: What was Scientific Revolution?, Blackwell Publishing ltd , pp.1-14

Kapil Raj (2017), ‘Thinking Without the Scientific Revolution: Global Interactions and the Construction of Knowledge’. Journal of Early Modern History, Vol. 21, No.5., pp. 445-458

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गुणाकर मुले (2005), भारतीय इतिहास में विज्ञानं, दिल्ली यात्री प्रकाशन, (अध्याय विज्ञानं और समाज पृ. 11-29, ज्योतिष का आरम्भ और विकास पृ. 41-49, वैदिक गणित की समीक्षा पृ 50-66.

David Arnold (2004), The New Cambridge History of India, III;5 Science Technology and Medicine in Colonial India, CUP, Chapter-1 Introduction: Science, Colonialism and Modernity, pp.1-18

Meera Nanda (2016), Nothing that is: Zero’s Fleeting Footsteps, in idem, Science in Saffron: Skeptical Essays on History of Science. Delhi: Three Essays Collective. Chapter- 2, pp. 49-92.

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Mayank Kumar (2013) Traditional Notions of Monsoon, in Mayank Kumar, Monsoon Ecologies: irrigation, Agriculture and Settlement Patterns in Rajasthan during the Pre-Colonial Period. Delhi: Manohar. pp. 105-118.

मयंक कुमार (2015), मानसून से सामंजस्यबनाता समाज: सन्दभर् राजस्थान. प्रितमान, अंक-३(संख्या-३), पृष्ठ, ६०२-१६

Richard Grove (1996), Indigenous Knowledge and the Significance of South-West India for Portuguese and Dutch Constructions of Tropical Nature. Modern Asian Studies, Vol. 30 (No.1), pp. 121-143.

Pradip Mazumdar (2017), The Generic manoeuvre. Economic and Political Weekly, Vol. LII(No.35), pp. 22-26.

Vijay K. Nagaraj and Raman, Nithya V. (2007), “Are we prepared for another Bhopal?” in Mahesh Rangarajan, ed., Environmental Issues in India: A Reader. Delhi: Pearson. pp. 530-43. (Also available in Hindi)

D.D Kosambi (2016), Atomic Energy for India, in Ram Ramaswamy, ed., D.D.Kosambi: Adventures into the unknown: Gurgaon: Three Essays Collective. pp. 59-70.

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Somaditya Banerjee (2016), Meghnad Shaha: Physicist and Nationalists. Physics Today, Vol. 69(No.8), pp. 39-44.

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