

## History of Ancient Science Preliminary Examination Reading List

Examinee: Andrew Ruis

Examiner: Mike Shank

### China

- Bodde, Derk. *Chinese Thought, Society, and Science: The Intellectual and Social Background of Science and Technology in Pre-Modern China* (1991) Honolulu: University of Hawaii Press
- Chen, Cheng-Yih, ed. *Science and Technology in Chinese Civilization* (1987) Singapore
- Cullen, C. *Astronomy and Mathematics in Ancient China: The Zhou bi suan jing* (1996) Cambridge: Cambridge University Press
- Henderson, J. B. *The Development and Decline of Chinese Cosmology* (1984) New York
- Ho Peng-Yoke. "Chinese Science: The Traditional Chinese View." *Bulletin of the School of Oriental and African Studies* 54 (1991) 506-19
- Kim Yung-Sik & F. Bray, eds. *Current Perspectives in the History of Science in East Asia* (1999) Seoul
- Li Yan & Du Shiran. *Chinese Mathematics: A Concise History* tr. J. N. Crossley & A. W.-C. Lun (1987) Oxford
- Porkert, M. *The Theoretical Foundations of Chinese Medicine* (1974) Cambridge: Harvard University Press
- Sivin, Nathan. *Medicine, Philosophy and Religion in Ancient China* (1995) Variorum
- \_\_\_\_\_. *Science in Ancient China: Researches and Reflections* (1995) Aldershot

### Egypt & Mesopotamia

- Brown, D. *Mesopotamian Planetary Astronomy-Astrology* (2000) Groningen
- Claggett, Marshall. "Science in Egypt and Mesopotamia" in *Greek Science in Antiquity* (1955) New York: Macmillan, 3-20
- Güterbock, Hans G. "Hittite Medicine." *Bulletin of the History of Medicine* 36 (1962) 109-113
- Neugebauer, O. *The Exact Sciences in Antiquity* (1951) Princeton: Princeton University Press
- Oppenheim, A. Leo. "Mesopotamian Medicine." *Bulletin of the History of Medicine* 36 (1962) 97-108
- Stol, M. "Diagnosis and Therapy in Babylonian Medicine." *Journal of the Ancient Near Eastern Society: Ex Oriente Lux* 32 (1993) 42-65
- Wilson, John A. "Medicine in Ancient Egypt." *Bulletin of the History of Medicine* 36 (1962) 114-123
- Worthington, Martin. "Planets, Livers and Omens in Mesopotamia [Review Essay]." *Early Science and Medicine* 9.2 (2004) 136-43

### India

- Biswas, Arun Kumar, ed. *History, Science and Society in the Indian Context* (2001) Calcutta: The Asiatic Society [selections]
- Chattopadhyaya, Debiprasad. *History of Science and Technology in Ancient India: The Beginnings* (1986) Calcutta: Firma KLM Pvt. Ltd.
- Jaggi, O. P. *Dawn of Indian Science, History of Science and Technology in India* Vol. II (1969) Delhi: Atma Ram & Sons
- Kumar, Ravinder. "Reflections on the Proposal: 'A History of Science, Philosophy and Culture in Indian Civilization'" in *Science, Philosophy and Culture in Historical Perspective*, Project of History of Indian Science, Philosophy and Culture (1995) 152-66
- Rao, S. R. "Scientific Tradition in India 3400-1500 B.C." in *Science, Philosophy and Culture in Historical Perspective*, Project of History of Indian Science, Philosophy and Culture (1995) 26-66
- Roy, Mira. "Vedic Medicine: Some Aspects" in *Medicine and Life Sciences in India* ed. B. V. Subbarayappa, Project of History of Indian Science, Philosophy and Culture (2001) 39-58

## Greece & Rome

- Conrad, Lawrence et al. *The Western Medical Tradition: 800 B.C.-1800 A.D.* (1995) Cambridge: Cambridge University Press [selections]
- Furley, David. *Cosmic Problems: Essays on Greek and Roman Philosophy of Nature* (1989) Cambridge: Cambridge University Press
- Gotthelf, Allan & James G. Lennox, eds. *Philosophical Issues in Aristotle's Biology* (1987) Cambridge: Cambridge University Press [selections]
- Gregory, Andrew. "Aristotle, Dynamics and Proportionality." *Early Science and Medicine* 6.1 (2001) 1-21
- King, Helen. "Beyond the Medical Market-Place: New Directions in Ancient Medicine [Review Essay]." *Early Science and Medicine* 2.1 (1997) 88-97
- Lennox, James G. *Aristotle's Philosophy of Biology: Studies in the Origins of Life Science* (2001) Cambridge: Cambridge University Press [selections]
- Lloyd, G. E. R. *Early Greek Science: Thales to Aristotle* (1970) New York: W. W. Norton & Co.
- \_\_\_\_\_. *Greek Science after Aristotle* (1973) New York: W. W. Norton & Co.
- \_\_\_\_\_. *Magic, Reason, and Experience* (1979) Cambridge: Cambridge University Press
- Nutton, Vivian. "Healers in the Medical Marketplace: Towards a Social History of Graeco-Roman Medicine" in *Medicine in Society: Historical Essays* ed. Andrew Wear (1992) Cambridge: Cambridge University Press, 15-58
- Von Staden, Heinrich. "Liminal Perils: Early Roman Receptions of Greek Medicine" in *Tradition, Transmission, Transformation* eds. F. J. Ragep & S. P. Ragep (1996) Leiden, 369-418
- White, K. D. *Greek and Roman Technology* (1984) London

## General & Multicultural

- Bernal, Martin. "Animadversions on the History of Science" in *The Scientific Enterprise in Antiquity and the Middle Ages* ed. Michael H. Shank (2000) 72-84
- Dorn, Harold. *The Geography of Science* (1991) Baltimore: The Johns Hopkins University Press
- Finley, M. I. "Technical Innovation and Economic Progress in the Ancient World." *Economic History Review* 2<sup>nd</sup> Series 18 (1965) 29-45
- Keightley, David N. "Epistemology in Cultural Context: Disguise and Deception in Early China and Early Greece" in *Early China/Ancient Greece: Thinking Through Comparisons* eds. Steven Shankman & Stephen W. Durrant (2002) Albany: State University of New York Press, 119-54
- Kuriyama, Shigehisa. *The Expressiveness of the Body and the Divergence of Greek and Chinese Medicine* (1999) New York: Zone Books
- Lindberg, David C. *The Beginnings of Western Science* (1992) Chicago: University of Chicago Press [selections]
- Lloyd, G. E. R. *The Ambitions of Curiosity* (2002) Cambridge: Cambridge University Press
- Lloyd, Geoffrey & Nathan Sivin. *The Way and the Word: Science and Medicine in Early China and Greece* (2002) New Haven: Yale University Press
- Pingree, David. "Hellenophilia versus the History of Science" in *The Scientific Enterprise in Antiquity and the Middle Ages* ed. Michael H. Shank (2000) 30-39
- Rahman, A., ed. *India's Interaction with China, Central and West Asia*, Project of History of Indian Science, Philosophy and Culture (2002) Oxford: Oxford University Press [selections]
- Rochberg, Francesca. "Introduction" in *The Scientific Enterprise in Antiquity and the Middle Ages* ed. Michael H. Shank (2000) 23-29