BA, BSC, BCOM, BBA DEGREE END SEMESTER EXAMINATION - OCTOBER 2025

UGP (HONS.) SEMESTER - 3: MULTI-DISCIPLINARY ELECTIVE

COURSE: 24UBBAMDE201 - INDIAN SCIENCE, ENGINEERING AND TECHNOLOGY (PAST, PRESENT AND FUTURE)

(For Regular 2024 Admission)

Time: 1.5 Hour   Max. Mark: 50

PART A

Answer any 5 questions (2 marks each)

1. What is meant by Traditional Forecasting?   (R, CO1)
2. What are the Pancha Maha Bhuta?   (R, CO2)
3. What is the role of Traditional water-harvesting in sustainability?   (R, CO1)
4. How does Vaisheshika Darshan's cause-and-effect principle guide strategic decision-making?   (An, CO2)
5. What does the Rasashastra focus on safety teach about modern workplace safety protocols?   (A, CO2)
6. How can temple architecture's symmetry guide organizational structure and balance?   (An, CO2, CO3)
7. How can Aryabhata's concept of zero inspire entrepreneurial risk-taking?   (E, CO2, CO3)

(2 x 5 = 10)

PART B

Answer any 4 questions (5 marks each)

8. How do Traditional houses reflect Indian science and practices?   (U, CO1)
9. Explain the importance of communication between body and mind in Ayurveda.   (U, CO2)
10. Discuss how seasonal and astronomical calculations can be compared to demand forecasting in supply chains.   (An, CO2, CO3)
11. Identify two sustainable lessons modern industries can learn from ancient Indian metallurgical practices.   (A, CO2)
12. The concept of Panchmahabhoota (five elements) was used in ancient sciences. How can businesses integrate this model into sustainability-focused business models (e.g., eco-friendly startups)?   (E, CO2, CO3)
13. Discuss how architectural heritage can be an economic driver for tourism.   (An, CO2, CO3)

(5 x 4 = 20)

PART C

Answer any 2 question (10 marks each)

14. Critically evaluate the role of Ayurveda and Yoga in modern lifestyle management.   (E, CO1)

15. Apply Yoga techniques to design a wellbeing program for students or professionals. (A, CO4)

16. Develop an online platform business model that markets traditional crafts, architecture-inspired products, and heritage art forms globally. (C, CO3, CO4)

17. Develop a business model for an educational technology startup that uses ancient Indian mathematical techniques (e.g., Sulbasutras, Vedic Mathematics) to simplify modern learning. (C, CO3, CO4)

(10 x 2 = 20)

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