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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

May / June 2025 Semester End Main Examinations

A

Programme: B.E.

Semester: VIII

Branch: Common to all branches

Duration: 1 hr.

Course Code: 25MA8HSIKL

Max Marks: 50

Course: Indian Knowledge Systems

Instructions: Answer all the questions, by choosing correct option

		CO	PO	Marks
1)	Tridosha theory in Ayurveda includes: A. Sattva, Rajas, Tamas B. Kapha, Vata, Pitta C. Agni, Soma, Vayu D. Annamaya, Pranamaya, Manomaya	1,2,3	1	1
2)	Which of the following best describes the Scientific Method in Western Knowledge? A. Observation → Questioning → Hypothesis → Experimentation → Analysis → Peer Review B. Guesswork → Belief → Tradition → Conclusion C. Oral Transmission → Spiritual Understanding → Validation D. Innovation → Storytelling → Rituals	1,2,3	1	1
3)	Which ancient Indian text mentions the concept of the atom (anu)? A. Rigveda B. Bhagavad Gita C. Upanishads D. Samhitas	1,2,3	1	1
4)	Who is credited with formulating the atomic theory in ancient India? A. Aryabhata B. Bhaskara I C. Acharya Kanad D. Patanjali	1,2,3	1	1
5)	Special name given for number '100' as 'Shata' then what is the name for '10,000' given as A. Sahasra B. Laksha C. Koti D. Ayuta	1,2,3	1	1
6)	According to Vaisheshika philosophy, what are the six categories (padarthas) used to describe reality? A. Earth, Water, Fire, Air, Ether, Mind B. Substance, Quality, Activity, Generality, Particularity, Inherence C. Sight, Sound, Taste, Touch, Smell, Thought D. Atom, Molecule, Compound, Mixture, Solution, Element	1,2,3	1	1
7)	What role did 'Bhasmas' play in ancient Indian chemistry and medicine? A. Decorative powders B. Fertilizers for crops C. Calcined metal/mineral powders used in Ayurvedic medicine D. Materials for pottery	1,2,3	1	1
8)	Which ancient Indian text is a significant treatise on alchemy and chemical techniques? A. Charaka Samhita B. Arthashastra C. Rasaratna Samuccaya D. Manusmriti	1,2,3	1	1

Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice.

	9) The ancient Indian decimal system is based on which of the following? A. Place value system B. Multiples of 100 C. Fractional divisions D. Binary system	1,2,3	1	1
10)	Which traditional Indian practice aligns with modern biodiversity conservation principles? A. Jal Kranti (Water Revolution) B. Devrai (Sacred Groves) C. Agnihotra (Fire Rituals) D. Bhoomi Puja (Earth Worship)	1,2,3	1	1
11)	Indigenous knowledge is regarded as inseparable and embodied in their affinities with ? A. Science B. Technology C. Cosmos D. Land	1,2,3	1	1
12)	Panini's Ashtadhyayi has A. 7 Chapters B. 4 Chapters C. 3 Chapters D. 8 Chapters	1,2,3	1	1
13)	Based on the Bhūta-saṅkhyā system of nomenclature, which of the following names represents their associated number incorrectly? A. Netra (Eye) = 2 B. Veda (Sacred Texts) = 5 C. Prithvi (Earth) = 1 D. Sunya (Nothing) = 0	1,2,3	1	1
14)	How can governments help in preserving Traditional Knowledge? A. By disregarding Indigenous practices in favor of Western education B. By providing legal recognition and intellectual property rights to Indigenous communities C. By preventing Indigenous groups from passing down their knowledge D. By discouraging the use of Traditional Knowledge in any scientific research	1,2,3	1	1
15)	Mark the Laghu (L) and Guru (G) syllables in the given word: व्यवस्था (Vyavasthā) A. G G G B. L L G C. L G G D. G L G	1,2,3	1	1
16)	Which of the following was a common feature in ancient Indian towns for water management? A. Aqueducts B. Stepwells C. Water towers D. Canals	1,2,3	1	1
17)	Panini's Grammar influences A. NLP and AI driven Linguistics B. Yoga C. Samkhya D. Quantum Physics	1,2,3	1	1
18)	The Surya Siddhanta is an ancient Indian text primarily focused on: A. Philosophy B. Surgery C. Astronomy and planetary motion D. Music theory	1,2,3	1	1
19)	What is the role of Traditional Knowledge in biodiversity conservation? A. It promotes industrial expansion over forest protection B. It helps in sustainable resource use and ecosystem balance C. It discourages conservation efforts in favour of urbanization D. It has no impact on biodiversity conservation	1,2,3	1	1
20)	Which of the following is an example of Traditional Ecological Knowledge (TEK)? A. Using CRISPR gene editing for disease resistance B. Conducting clinical drug trials for new medicines C. Practicing controlled burning to regenerate forests D. Designing artificial intelligence algorithms	1,2,3	1	1

	21) How does the concept of Rajadharma (Righteous Duty of Kings) contribute to ethical governance? A. It emphasizes justice, fairness, and ethical leadership B. It prioritizes personal gain over public welfare C. It focuses only on military expansion without governance principles D. It disregards citizen participation in political decisions	1,2,3	1	1
	22) What is the total number of Nakshatras (lunar mansions) in Jyotisha? A. 12 B. 27 C. 9 D. 30	1,2,3	1	1
	23) The ancient Indian texts were memorized through? A. Padapaatha and Krama Paatha B. Writing C. Demonstration D. Binary system	1,2,3	1	1
	24) As we sow, so we reap is related with A. Law of Reality B. Law of Causation C. Law of liberation D. Law of Karma	1,2,3	1	1
	25) Which of the following practices was used to maintain soil fertility in traditional Indian agriculture? A. Monocropping B. Crop rotation and intercropping C. Use of chemical pesticides D. Flood irrigation	1,2,3	1	1
	26) Indian Philosophy is called Darsana, which means A. reality B. truth C. system D. vision	1,2,3	1	1
	27) The Non-Vedic Schools are A. Charvaka B. Only Jainism C. Buddhism D. Charvaka, Jainism and Buddhism	1,2,3	1	1
	28) Indian philosophy is essentially -----in nature. A. materialistic B. spiritualistic C. optimistic D. ritualistic	1,2,3	1	1
	29) What is sidereal period? A. The time between two successive moonrises B. The duration of daylight on the longest day of the year C. The time an object, takes to complete one orbit relative to the fixed stars D. The time an object, takes to complete one revolution around the Earth with respect to the Sun	1,2,3	1	1
	30) Which ancient Indian woman scholar was known for her philosophical debates? A. Mirabai B. Radha C. Gargi Vachaknavi D. Anasuya Devi	1,2,3	1	1
	31) The Logical System- Nyaya was founded by _____ A. Gautama (Akshapada) B. Kanada C. Sage Kapila D. none	1,2,3	1	1
	32) Ahimsa (non-violence), Karma, and Anekantavada are taught by _____ A. Buddhism B. Jainism C. Both D. Charvaka	1,2,3	1	1
	33) _____ is the path of non-violence. A. Buddhism B. Jainism C. Both D. None	1,2,3	1	1
	34) The Auxiliary Sciences of Kalpa describes A. social duties and rites B. atymology of difficult vedic word C. basis of Sanskrit language D. proper sound pronunciation and intonation	1,2,3	1	1
	35) _____ Darshana is related to health A. Nyaya B. Sankhya C. Vaisheshik D. Yoga	1,2,3	1	1
	36) What is the purpose of astronomy? A. A calculation of dimension of earth distance to moon	1,2,3	1	1

		B.A determination of Time C. A form of traditional Pooja D. A type of length measurement			
	37)	Upangas are _____ A. Itihas & Purana B. Dharma Shastra C. Nyay & Mimamsa D. All of the above	1,2,3	1	1
	38)	Indic Knowledge System define Truth, Goodness and Beauty in one word that is A. SamChittaAnand B. SatChittaAnand C. SatChittaAhankar D None of the above	1,2,3	1	1
	39)	How many kalas fall under engineering and technical skills? A. 13 B. 9 C. 10 D.14	1,2,3	1	1
	40)	In Vaisheshika philosophy, what is the purpose of classifying padarthas? A. To perform rituals B. To attain liberation C. To define material things and understand reality D. To teach grammar	1,2,3	1	1
	41)	What is a "Chhatri" in Indian architecture, often found on temples or palaces? A. A decorative doorway B. A type of window C. A dome or canopy-like structure D. A decorative pillar	1,2,3	1	1
	42)	Which among them is a special uncommon skill. A. Playing music in water B. designing a literary work C. talking with fingers D. playing instruments	1,2,3	1	1
	43)	Who is the founder of Vaisheshika gurukul, the school of atomicity A.Kanada B.Bhrigu C.Vasishtha D. Varahamihira	1,2,3	1	1
	44)	Which school believes in the dualism of Purusha and Prakriti? A. Yoga B. Mimamsa C. Samkhya D. Vedanta	1,2,3	1	1
	45)	What is the Yuga cycle composed of in traditional Indian astronomy? A. 7 days B. 4 epochs: Satya, Treta, Dvapara, Kali C. 12 zodiac signs D. 27 Nakshatras	1,2,3	1	1
	46)	Which Upaveda is concerned with medicine and healing? A. Dhanurveda B. Gandharvaveda C. Arthashastra D. Ayurveda	1,2,3	1	1
	47)	The Iron Pillar of Delhi is famous for its resistance to: A. Water erosion B. Earthquakes C. Rust D. Fire	1,2,3	1	1
	48)	Which Ashram is associated with the study of Samhitas? A. Grahasthashram B.Vanprasthashram C. Brahmacharyashram D. Sanyasashram	1,2,3	1	1
	49)	Which engineering marvel from the Chola period is still in use today? A Konark Sun Temple B.Kallanai Dam C. Qutub Minar D. Meenakshi Temple	1,2,3	1	1
	50)	Which texts form the foundation of Indian Knowledge Systems? A. Quran and Bible B. Tripitaka and Zend Avesta C. Vedas and Upanishads D. Manusmriti and Arthashastra	1,2,3	1	1