R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT

(An Autonomous College U/s UGC Act 1956)

IMSC-IT. SEMESTER-I, SEMESTER END EXAMINATION - WINTER 2024

Subject Code: 1BS107 Date: 20-12-2024

Subject Name: INDIAN KNOWLEDGE SYSTEM

Time: 11:00 AM to 12:00 PM Total Marks: 25

Instructions

- 1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
- 2. The figures to the right of each question indicate full marks, make suitable assumptions wherever necessary.
- 3. The question paper consists of 25 questions, each carrying 1 mark. Attempt all questions. There is no negative marking.
- 4. All answers must be marked on the OMR sheet only, matching question numbers, and leave extra fields blank.
- 5. BL Bloom's Taxonomy Levels (R-Remember, U-Understanding, A –Application, N –Analyze, E Evaluate, C -Create), CO Course Outcomes.

	C -Create), CO - Course Outcomes.				
Q. No.	Objective-Type Questions		Marks	co	
1.	Indian Knowledge Systems (IKS) primarily draw from which ancient texts and traditions?		1	R	1
	A. Greek Philosophical Texts	B. Vedic Texts and Scriptures			
	C. Modern Scientific Research	D. Medieval European Manuscripts			
2.	What is the primary goal of "Yoga" as part of Indian Knowledge Systems?		1	R	1
	A. To improve physical fitness	B. To achieve spiritual growth and self-realization			
	C. To learn meditation techniques for mental relaxation	D. To increase strength and endurance			
3.	The concept of "Karma" in Indian Knowled	lge Systems relates to:	1	\mathbf{U}	1
	A. The natural laws governing the universeC. The practice of ritual sacrifices	B. The consequences of a person's actions and their effect on the futureD. A person's economic wealth	,		
4.	The term "Vidyasthana" in Chaturdasa Vidyasthana refers to:		1	R	1
	A. A temple for learning	B. A place where knowledge is taught			
	C. A sacred river	D. A philosophical text			
5.	The concept of "Dharma" in Indian Knowle	The concept of "Dharma" in Indian Knowledge Systems refers to:		U	1
	A. The pursuit of material wealth	B. A set of moral and ethical principles			
	C. Scientific theories of the universe	e D. Political governance			

0.	which of the following is NOT one of the four vedas?		1	K	2	
	A.	Rigveda	B. Samaveda			
	C.	Atharvaveda	D. Bhagavad Gita			
7.	Which of	f the following is the oldest Veda?		1	R	2
	A.	Rigveda	B. Samaveda			
	C.	Atharvaveda	D. Bhagavad Gita			
8.	Which of the following Rigvedic hymns is dedicated to the cosmic order and the creation of the universe?		1	R	2	
	A.	Purusha Sukta	B. Nasadiya Sukta			
	C.	Gayatri Mantra	D. Soma Sukta			
9.	The Atha	arvaveda has a close connection wit	h which of the following practices?	1	R	2
	A.	Yoga and meditation	B. Medicine and healing			
	C.	Music and dance	D. Warfare and statecraft			
10.	According to the Vedas, the pursuit of knowledge (Jnana) leads to:			1	U	2
	A.	Material wealth	B. Personal fame			
	C.	Realization of the unity of Atman (self) and Brahman (universe)	D. Power and control over others			
11.	What is the main purpose of the Puranas?		1	U	3	
	A.	To provide legal codes	B. To narrate the history of kings			
	C.	To preserve mythology and cosmology	D. To teach philosophy			
12.	The Nara	The Narada Purana is known for its emphasis on:		1	R	3
	A.	Mythological narratives	B. Rituals and religious practices			
	C.	Music and arts	D. Astronomical concepts			
13.	The character of Ravana serves to illustrate the dangers of:		1	U	3	
	A.	Humility	B. Knowledge			
	C.	Pride and ego	D. Compassion			
14.	Which of the following characters represents the ideal of friendship and loyalty in		1	U	3	
	the Ram	ayana?				
	A.	Sita	B. Hanuman			
	C.	Bharat	D. Vibhishana			

15.	Which character is known for his unwavering loyalty to the Kauravas?		1	\mathbf{U}	3
	A. Yudhishthira	B. Arjuna			
	C. Drona	D. Bhishma			
16.	The unit "Kroshta" was used in	ancient India to measure:	1	R	4
	A. Distance	B. Weight			
	C. Time	D. Volume			
17.	The first documented reference the works of:	to the use of negative numbers in India appears in	1	R	4
	A. Brahmagupta	B. Aryabhata			
	C. Bhaskara	D. Varahamihira			
18.	The concept of "zero" in the Indian number system was first documented by:			R	4
	A. Bhaskaracharya	B. Brahmagupta			
	C. Aryabhata	D. Varahamihira			
19.	Which of the following words in number one thousand?	n the Bhūta-Saṃkhyā system is used to represent the	1	R	4
	A. Sahasra	B. Laksha			
	C. Dasa	D. Bhūta			
20.	Who is considered the earliest k	nown figure to describe the binary numeral system?	1	R	4
	A. Pythagoras	B. Piṅgala			
	C. Aryabhata	D. Brahmagupta			
21.	The Budhayan theorem is used to	to relate the sides of which type of triangle?	1	R	5
	A. Equilateral triangle	B. Right-angled triangle			
	C. Scalene triangle	D. Isosceles triangle			
22.	Who gives the formula $\delta_{n+1} = \delta$	$(R_n - (\frac{R_n}{R_1})(\delta_1 - \delta_2))$ which is same as the relation	1	R	5
	$2\sin nx - \sin[(n+1)x]$	$-\sin[(n-1)x]$			
	= (⁵	$\frac{\sin nx}{\sin x}$)[2 sin x – sin 2 x]			
	For finding <i>R</i> sine diffrences?				
	A. Aryabhata	B. Brahmagupta			
	C. Nilkantha	D. Varahamihira			

<i>2</i> 3.	in ancient indian algebra, the word "mu	i or "ka" for 'mu ia is referred as:	1	K	2
	A. Addition	B. Subtraction			
	C. Multiplication	D. Root			
24.	The following verse		1	R	5
	अन्त्यपदस्य वर्ग कृत्वा द्विगुणं तदेव चान्त्यपद	म्।			
	शेषपदैराहन्यात् उत्सार्योत्सार्यं वर्गविधौ ॥				
	explain the algorithm for finding:				
	A. Square root	B. Square			
	C. Cube	D. Cube root			
25.	The geometric principle described in the	ne Sulba Sutras for constructing squares and	1	R	5
	rectangles is based on which mathematical theorem?				
	A. Bhaskara's Theorem	B. The Pythagorean theorem			
	C. Archimedes' principle	D. Euler's formula			
