

Sample MCQs for M.A/MSc (CBCS) Sem- IV students of Department of Geography, University of Mumbai.

Name of the Paper	Question Number	Text of the Question	Options			
401 : A						
Digitl Image Processing			A	B	C	D
	1	In the formula, $c = \lambda \cdot \nu$ where, c is _____	speed of light	wavelength	frequency	energy of one photon
	2	_____ image characteristic is energy levels measured.	Radiometric	Spectral	Temporal	Spatial
	3	_____ is the example of High pass filter.	Mean filter	The k nearest filter	Gradient filter	Mode filter
	4	Line drop-out is a type of _____ error.	sensor	atmospheric	satellite	processing
	5	What is georeferencing of satellite images?	Relating the geographic coordinate system of an image to a internal coordinate system	Correcting the shape of an image	Reorienting an image	Relating the internal coordinate system of an image to a geographic coordinate system

Application of Remote Sensing Techniques in Geographical Studies						
	1	Remote sensing techniques make use of the properties of _____ emitted, reflected or diffracted by the sensed objects	Electric waves	sound waves	Electromagnetic waves	wind waves
	2	The altitudinal distance of a geostationary satellite from the earth is about:	26,000 km	30,000 km	36,000 km	44,000 km
	3	Visible light has wavelength 0.4 micrometer to 0.7 micrometer, which color has the highest frequency?	Blue	Green	Purple	Red
	4	Why is water blue?	Because the atmosphere absorbs light corresponding to green and red wavelengths.	Because blue light has smaller wavelengths than red and green light.	Because water absorbs shorter wavelengths more than longer wavelengths.	Because water absorbs longer wavelengths more than shorter wavelengths
	5	Satellite images are used in drought studies for?	crop growth condition	natural vegetation assessment	not used	cloud cover mapping

Advanced Quantitative Techniques in Geography						
	1	Which of the following is not a level of data measurement ?	Nominal	ordinal	ratio	frequency
	2	Who wrote the book "Explanation in Geography"	David Harvey	David Attenborough	David Shaw	David Ritcher
	3	Who defined the Nominal, ordinal , Interval and ratio scales?	Stanley Smith Stevens	Smith Ravenshaw	PC Mahalnobis	W. M. Davis
	4	The correlation coefficient is used to determine	of the y-variable given a specific value of the x-variable	value of the x-variable given a specific value of the y-	The strength of the relationship between the x and y variables	A and B is correct
	5	sum of Squared error (SSE) can never be	Larger than SST	Smaller than SST	Equal to 1	Equal 0
Introduction to Programming Using Python						
	1	Select the right answer. >>> s = 'Monty Python' >>> print s[0:5]	Monty	Mont	onty	ont

	2	>>> a = [10, 'banana', 0.7, [40, 50]] is an example of _____.	Dictionary	Tuple	String	List
	3	Programs written in a ---- language have to be processed before they can run.	high level	low level	machine	simple
	4	----- errors are also called exceptions because they usually indicate that something exceptional (and bad) has happened.	Syntax	Run time	Semantic	Complex
	5	What will be the output of the following expression? X = 5 Print X+2		5 x		7 6
Geoinformatics for Urban and Regional Planning						
	1	Which Institute has Launched BHUVAN	IIPS	NRSC	IIRS	TISS
	2	A homogeneous parch of land is known as	area	place	space	region

	3	What is the full form of MMR	Mumbai Metropolitan Region	Mumbai Municipal Region	Municipal Management Region	Municipality for Mumbai Region
	4	What should be the scale of map to study urban landuse	1 : 50000	1 : 25000	1 : 10000	2.819444444
	5	What is the full form of NUIS in Bhuvan	Natural Upland Information System	National Urban Information System	National Urban Innovation Stack	Natural Urban Innovation Stack
Geospatial Technologies and Management						
	1	The extent of longitude for zone of UTM projection is _____.	2 degrees	4 degrees	6 degrees	8 degrees
	2	Geoid is used to describe _____.	Length	Width	Height	Area
	3	GLONASS is developed by _____.	United states	Russia	European Union	China
	4	In the scale of aerial photography i.e. $S = d/D$ where, d indicates _____.	photo scale	photo distance	ground distance	flying height
	5	In Aerial Photography Pigeon cameras were used in _____.	1897	1899	1901	1903

402: B						
Coastal Geomorphology						
	1	---- gets exposed at the time of low tide.	Continental shelf	Offshore islands	Atoll	Lower beach
	2	Riverine and marine influences are not found in ----.	Creeks	Estuaries	Mud flats	Sea stacks
	3	Steeply sloping beaches are more prone to ----.	Deposition	Erosion	Erosion and accidents	accidents
	4	----- is a semi-diurnal change in water level on shores.	Tide level	Sea level	Wave height	Wave frequency
	5	Mangroves are found in - ---.	Backshore zone	Offshore zone	Nearshore zone	Intertidal zone
Geograohical Perspectives in Ocean Development						
	1	The rise and fall of sea water due to gravitation is known as	Tides	Ocean Currents	Tsunami	Waves
	2	Deep sea sediments come from sources	turbidity currents	wind	sinking	air currents
	3	Which ocean has elongated shape as letter 'S'?	Pacific	Atlantic	Indian	Arctic

	4	The lava of sub-marine volcanoes leads to...	Trench	guyots	Abyssal Plains	Gorge
	5	Who is the father of modern oceanography?	Aristotle	Dave Dwyer	Psalm Eight	Matthew Maury
Ecology and Environment						
	1	Who coined the term Ecology	Ernst Haeckel	Enst Rutherford	Ernst Frankel	Ernst Rutherford
	2	Which is the first national park in India	Jim Corbett	Kaziranga	Banneghatta	Tadoba
	3	Which of the following NGO releases State of Environment Report in India?	NEERI	FSI	Development Alternatives	WFI
	4	Which of the following national park is located in Mumbai	Rajiv Gandhi	Indira Gandhi	Sanjay Gandhi	Mahtma Gandhi
	5	National Environmental Engineering Research Institute headquarter is located at-----	Mumbai	Pune	Aurangabad	Nagpur

Geography of Contemporary Agriculture with Special Reference to India						
	1	Which agency is responsible for procurement, distribution and storage of food grain production in India?	Ministry of Agriculture	Food Corporation of India	NAFED	TRIFED
	2	Who is known as father of green revolution in India?	MS Swaminathan	Vikram Sarabhai	Somnath Desai	S. Radhakrishnan
	3	The scientific study of soil is known as?	Soilology	Pedology	Soil Science	Soil culture
	4	Who determines the minimum support price in India?	The Commission for Agricultural Costs and Prices	The Agriculture Ministry	The Finance Commission	NABARD
	5	In which of the following states the most devastating famine of India in the year 1943 occurred?	Bengal	Orissa	Bihar	Uttar Pradesh.
Cultural Geography						

	1	The "new cultural geography" was a development that happened in	early 1970s	late 1970s	1990s	21st Century
	2	Example of polytheistic religion is	Hinduism	Islam	Christianity	Judaism
	3	The centres of origin of innovations and invention from which key cultural traits and elements have spread influencing the surroundings region are known as	cultural landscape	ecumene	habitats	cultural hearth
	4	Who was considered as Father of Cultural Geography ?	Ellen C. Semple	Jean Bruhnes	Carl Ortwin Sauer	Vidal de la Blache
	5	To which language family does Marathi language belong to ?	Indo-Aryan	Dravidian	Austro-Asiatic	Sino-Tibetan
Geography of Exclusion						
	1	Who was Sigmund Freud	Neurologist	Psychiatrist	Psychologist	Neurosurgeon

	2	Who was the founder of the theory of psychoanalysis	Anna Freud	Jean Freud	Oliver Freud	Sigmond Freud
	3	Object Relation theory of unconscious focused on	Mother infant relation	Father infant relation	Mother father relation with infant	family relation with infant
	4	What is 'pure' for an individual when he/she is framing the mental boundaries	other	self	immediate family members	close friends
	5	What do you mean by stereotypes in social psychology	Over generalised belief about a particular category of people	Over generalised belief about self	similar peronalities	Similar behavioural traits



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