VIDYASAGAR UNIVERSITY **MIDNAPORF**

COMMON ENTRANCE TEST FOR PG ADMISSION, 2019

Question Booklet No. 2618783

Subject: REMOTE SENSING & GIS

Subject Code No.: 26

Full Marks: 200

Question Booklet Series: A

Answer all the questions. Each question has the same weightage.

Read the following instructions carefully before you start answering.

INSTRUCTIONS

1. The question Booklet is printed in four Series e.g. (A), (B), (C) and (D). The candidate has to indicate the Series of the question booklet in the space provided in the OMR Answer Sheet . For example, if the candidate gets Series (A) booklet, he / she has to indicate on the front side of the OMR Answer Sheet with Black ink ball point pen only as indicated below:



- There are 50 questions inside this question booklet. Immediately after you have been instructed to open this question booklet, ensure that any page / question is not missing / not printed / torn /repeated. In case you find any defect anywhere in the question booklet, immediately get it replaced by the Invigilator.
- Each question carries 4 marks. 1(one) mark will be deducted for each wrong answer(negative marking).
- Write your Form No and put signature in the space provided.
- Before answering, write down the necessary information on the OMR Answer Sheet as per your Application Form and Admit Card in the specific space provided.
- 6. With each question you will find 4 possible answers marked by the letters A, B, C & D. Read each question carefully and find out which answer, according to you, is correct / most appropriate / best. Indicate your answer by darkening the appropriate circle completely in the OMR Answer Sheet corresponding to the question. For marking answers, use black ink ball pen only. If 'B' is the correct answer in a case, mark as below:
- Do not fold or make any stray marks on the OMR Answer Sheet.
- You can use the blank space of the last page for rough work. Do not tear it off from the Question Booklet.
- 9. After the examination has been over, you must submit OMR Answer Sheet to the Invigilator.
- 10. OMR Answer Sheet is designed for computer evaluation. If you do not follow the instructions given above and shown in the OMR Answer Sheet, it may make evaluation by computer difficult. Any resultant loss to the candidate on the above account shall be of the candidate only.
- 11. No candidate shall be allowed to use Mobile phone. Log tables or Calculator of any description in the examination hall / room.

1. Southern India is mostly (A) Himalayan mountai (C) Satpura hills		h is separated from northern plain by the (B) Vindhya mountains (D) Mount Everest		
2. The mass of water vapor (A) Relative humidity	•	is known as ? (C) Absolute humidity	(D) Variable humidity	
3. In the structure of planet	Earth, below the Mantle	e, the core is mainly mad	e up of which one of the	
following ? (A) Aluminium	(B) Chromium	(C) Iron	(D) Silicon	
4. The light of distant stars (A) the earth's atmosphe (C) both (A) and (B)		(B) interstellar dust (D) None of these		
5. Look at this series: 201, (A) 205	202, 204, 207, What i	number should come nex (C) 210	t? (D) 211	
6. Where is RAM located ? (A) Expansion Board	(B) External Drive	(C) Mother Board	(D) All of these	
7. Full form of URL is (A) Uniform Resource Locator (C) Uniform Registered Link		(B) Uniform Resource Link (D) Unified Resource Link		
8. To represent Earth's feat (A) solid lines	ures, topographic maps (B) dotted lines	use (C) colors	(D) shades	
9. Indian moon mission Ch (A) Balasore	andrayan I was launched (B) Hyderabad	d from (C) Sriharikota	(D) Delhi	
0. Which one of the follow (A) Focal length	ing factors does not affecting (B) Flying height	ct the scale of the air pho (C) Ground elevation	tographs? (D) None of these	
1. Raster data represent dig		(c) Pol		
(A) point	(B) Line	(C) Polygon	(D) Grid	
2. Which of the following i (A) Adobe reader	s a programming langua (B) Java	ge? (C) Microsoft Office	(D) Paint	
3. Evaporation of water from (A) Radiation	plants is called: (B) Transpiration	(C) Evapotranspiration	(D) Evaporation	
4. The greenhouse gases abso (A) Ultraviolet ray	orb mostly: (B) Infrared (IR)	(C) Visible	(D) Microwave	
5. To find location of a movin (A) 2	ng object how many satelli (B) 3	tes required (C) 4	(D) 5	
6. The elevation of the Sun sy (A) 700-900 km	vnchronous satellites from (B) 36,000 km	the earth surface is about; (C) 10,000 km	(D) 12000 km	
7. The Himalayan rivers in th (A) Trellis	e Gangetic Basin form a sp (B) Circular pattern	patial type of drainage patte (C) Radial pattern	ern known as (D) Dendritic pattern	
8. All planets of solar system (A) Circular orbits	revolve round the sun in (B) Elliptical orbits	(C) Hyperbolic orbits	(D) Parabolic orbits	
9. The term used to describe t (A) Ellipsoid	the shape of the earth is (B) Circle	(C) Great Circle	(D) Geoids	

20.	Ocean Surface currents are (A) Wind	e mainly caused by (B) Tides	(C) Salinity differences	(D) Density differences	
21.	• The value of earth's gravit (A) Altitude	ty varies with (B) Latitude	(C) both (A) and (B)	(D) None of these	
22	Peninsular rivers form		(4) 6011 (12) 4116 (2)		
	(A) Dendritic pattern of d (C) Annular pattern	Irainage	(B) Trellis pattern (D) Centrifugal pattern		
23.	Which of the following Re (A) Thermal infrared	emote Sensing techniques i (B) Colour infrared	is a passive system? (C) Aerial photos	(D) All of the above	
24.	Region of earth's atmosph (A) Mesosphere	ere extends from 80 km to (B) Troposphere	400 km from earth's atmos (C) Ionosphere	sphere is called (D) none of these	
25.	On planet Earth, there is	no centrifugal force at t	he		
	(A) Poles	(B) Equator	(C) Tropic of Capricorn	(D) Tropic of Cancer	
26.	A part of hurricane which	ch bears warm and low p	ressure is the		
	(A) eye	(B) eye wall	(C) band	(D) updraft	
27.	Theory which proclaims	that an explosion create	ed universe is called the		
	(A) law of gravity	(B) Big Bang theory	(C) Darwin theory	(D) Earth theory	
28.	According to particle the	eory radiation is compos	sed of photons or quanta.	The nature of photons	
	(A) Continuous	(B) Contiguous	(C) Discrete	(D) Linear.	
29. The Image magnification means (A) Edge Sharpening (C) Zooming		(B) Contrast enhancement (D) Rectification			
30.	Histogram equalization i	is related with			
(A) Linear contrast enhancement (C) Image Rectification		(B) Non linear Contrast Enhancement (D) Image Sub setting			
31.	Buffer function is used f	or			
(A) Overlay analysis (C) Proximity Analysis		(B) Shortest path analysis (D) Network analysis			
32.	In negatively skewed dia	agram the median value	lies — the modal value		
	(A) After	(B) Before	(C) With in	(D) Diagonally	
33.	CZCS is best applied for				
	(A) Geology Mapping (C) Ocean monitoring		(B) Biodiversity Mapping (D) Cloud monitoring		
34.	A sliver line is formed d	ue to			
	(A) Line Smoothening		(B) Edge Matching		
	(C) Overlaying Polygon		(D) Overshoot		

electromagnetic sp	pectrum beyond w	hat the eye	s to obtain data about E can see. If you were stream stromagnetic spectrum	
(A) thermal infra	red (B) middle	infrared	(C) near infrared	(D) blue spectrum
36. Living vegetation (A) white	appears(B) black	on standar	d false-color IR images	s. (D) red
	connection.	ch as digitiz	es of a GIS? Deers/scanners and printed occessing power to run the	
38. The circumference (A) 60,075 km	e of the Earth at th (B) 50,075	_	: (C) 40,075 km	(D) None of these
39. The most common (A) Calcium chlor			(C) Sodium chloride	(D) Calcium nitrate
40. The depletion of o	zone in atmospher	re is caused	by	
(A) Chlorofluoroo	carbon (B) Clo	oud	(C) Oxygen	(D) Nitrogen
41. Which one of the environment of ea (A) SARAL			launched for observati	on of climate and (D) None of the above
42. Which of the follo	wing is formed as	a result of t		(D) Blind valley
43. Which of the follo (A) S-waves	wing earthquake v (B) P-wave		ost destructive? (C) R-waves	(D) L-waves
44. Pushbroom satelli (A) Along track s (C) Side track sat	atellites		(B) Across track satel (D) None of the abov	
45. The visible range (A) $0.2-0.7 \mu m$	of EM spectrum ro (B) $0.4 - 0$.		es between (C) $0.4 - 1.3 \mu m$	(D) $0.2 - 1.3 \ \mu m$
46. The velocity of lig (A) 2.98×10 ¹⁰ m/s	the is about sec (B) 2.98×10	08 km/sec	(C) 2.98×10 ⁸ m/sec	(D) 2.98×10 ¹⁰ km/sec66.
47. Which is not an ex (A) Satellite sense (C) Hand-held spe	or	sensing	(B) Mobile Camera (D) Thermometer	
48. Ground water leve (A) Visual remote (C) Hyperspectral			(B) Microwave remot (D) None of the abov	
49. Which one is an ex	xample of operatir		(C) COBOL	(D) Python

50. Richter Scale is used for measuring the :

- (A) Relative Humidity of atmosphere (C) Electric Conductivity of water
- (B) Intensity of earths tremor (D) Speed of wind