

RGUCET 2022 Post Graduate Diploma in Geoinformatics

Q No.	Simple / Double	QUESTION	Answer option	Answer			
1	S	This is quite different _____ we completed last week.					
		a) how	b) which	c) however	d) whom	b	which
2	S	We should be careful about green-eyed friends.					
		a) rich	b) lazy	c) skilled	d) envious	d	envious
3	S	Which of the following is the correct verb form:They will go to the festival if they are _____ to join.					
		a) request	b) requested	c) requesting	d) to request	b	requested
4	S	What is the meaning of fascinating?					
		a) fictitious	b) hazardous	c) familiar	d) interesting	d	interesting
5	D	A sentence has been split into three parts; A, B, C. Read the sentence and find out the part containing error. i) It was quite fascinating ii) To see the tiger iii) Was played ball.					
		a) i	b) ii	c) iii	d) no error	c	iii
6	S	Which one the following is correctly spelled?					
		a) Aproached	b) Approched	c) Approached	d) Approched	c	Approached
7		Choose the correct word order.					
		a) Why he did start so early?	b) Why did he start so early?	c) Why did so early he start?	d) Why so early did he start?	b	Why did he start so early?
8	D	Choose the correct word order.					
		a) Had there been food,	b) Would there been	c) Have there been	d) Had been	a	Had there been food,

		I would not have starved.	food, I had not have starved.	food, I would had not starved.	there food, I would not have starved.		I would not have starved.
9	S	Please don't assign me to perform mime, that's not my cup of _____.					
		a) choice	b) butter	c) tea	d) clay	c	tea
10	D	Societies with more effective _____ accountable governing institutions _____ been shown to perform better on a range of issues, _____ economic growth to human development and social cohesion. i) and, ii) from, iii) could, iv) have					
		a) i, iii, iv	b) ii, iii, iv	c) ii, iv, i	d) i, iv, ii	d	i, iv, ii
11	S	How much is one kilogram?					
		a) 10000 gram	b) 100 gram	c) 10 hectogram	d) 1000 milligram	c	10 hectogram
12	S	White revolution refers to increase in which economic activity?					
		a) Dairy	b) Fisheries	c) Fertilizers	d) Meat industry	a	Dairy
13	S	Sun's heat is received on earth through _____.					
		a) Convection	b) Conduction	c) Radiation	d) Waves	c	Radiation
14	S	Which of the following is a type of coal?					
		a) Anthracite	b) Bituminous	c) Ligaments	d) Peat	c	Ligaments
15	S	New Moon phase occurs when _____.					
		a) Moon is between Sun and Earth	b) Sun is between Earth and Moon	c) Sun is between Moon and Earth	d) Earth is between Moon and Sun	a	Moon is between Sun and Earth
16	S	Which of the following is not a fossil fuel?					
		a) LPG	b) LNG	c) ethanol	d) aviation fuel	c	ethanol
17	S	Which of the following is not a biofertilizer?					
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		a) 100°C	b) 8°C	c) 1000°C	d) 4°C	a	100°C
19	S	Sacred Grooves are some type of _____?					
		a) herbs	b) musical instruments	c) dancing style	d) trees	d	trees
20	S	Relay race is a type of _____.					
		a) ethnic group	b) racial group in Sri Lanka	c) sports	d) motion picture	c	sports
21	S	'National Behaviour Change Communication Framework for Garbage Free Cities' has been launched under which scheme?					
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22	S	What is the name of the theme-based tourist circuit trains introduced by the Indian Railways?					
		a) Bharat Gaurav Trains	b) India Heritage Trains	c) Garib Rath	d) Duranta Express	a	Bharat Gaurav Trains
23	S	The 'National Endangered Species Day' is celebrated on which day of May?					
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26	S	Which state is the champion of the 12th Hockey India Senior Women National Championship 2022?					
		a) Karnataka	b) Odisha	c) West Bengal	d) Jharkhand	b	Odisha
27	S	Foxtail orchid (Rhynchostylis retusa) is the state flower of which Indian state?					
		a) Assam	b) Mizoram	c) Sikkim	d) Tripura	A	Assam
28	S	On which day International Dance Day 2022 was observed?					
		a) 29 th April 2022	b) 14 th April 2022	c) 26 th January	d) 1 st January	a	29th April 2022

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		a) 'WWE Indian Sportswoman of the Year' award 2021	b) 'BBC Indian Sportswoman of the Year' award 2021	c) 'BBC athlete of the Year' award 2021	d) 'UFC Sportswoman of the Year' award 2021	b	'BBC Indian Sportswoman of the Year' award 2021
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33	S	Complete the series. FAG, GAF, HAI, IAH, _____					
		a) JAK	b) LAH	c) FAH	d) JAI	a	JAK
33	S	Identify the number which is different from others. A. 2: 8; B. 3:27; C. 4:46; D. 5:125					
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36	S	Among five boys. Vasant is taller than Manohar, but not as tall as Raju. Jayant is taller than Dutta, but shorter than Manohar. Who is the tallest in the group?					
		a) Raju	b) Manohar	c) Vasant	d) Jayant	a	Raju

37	S	Relate the following options on the basis of example of FISH : SCHOOL					
		a) wolf : pack	b) cow : farm	c) herd: peacock	d) elephant: jungle	a	wolf : pack
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		a) Coconut	b) Castor	c) Mustard	d) caramel	d	caramel
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		a) 12.5 cm	b) 25 cm	c) $25\sqrt{2}$ cm	d) 50 cm	a	12.5
42	S	A map has a RF of 1:50000. A rectangular field is measured on map as 2cm width and 4cm length. What is the ground area of the field?					
		a) 2 km^2	b) 8 cm^2	c) 8 km^2	d) 12 km^2	a	2 km^2
43	S	Which one of the following triangles have same side lengths?					
		a) Scalene	b) Isosceles	c) isohaline	d) equilateral	d	equilateral
46	D	What are the zeros of $x^2 - 2x - 8$?					
		a) (2,4)	b) (4,2)	c) (4,-2)	d) (-4,2)	c	(4,-2)
47	S	Which one the following option is equal to $1 - \cos^2 A$					
		a) $\sin^2 A$	b) $\tan^2 A$	c) $1 - \sin^2 A$	d) $\cos^2 A$	a	$\sin^2 A$
48	S	When the radius of circle is increased two times, how much times the volume will increase?					
		a) 2	b) 3	c) 6	d) 8	d	8
49	S	What will be 56 th natural odd number?					
		a) 55	b) 105	c) 111	d) 196	c	111
50	S	What will the mean of 5, 10, 15, 20, 25, 30, 35					

		a) 7.5	b) 17.5	c) 20	d) 30	c	20
51	S	Maximum observed value – minimum observed value = _____					
		a) Mean	b) Median	c) Mode	d) Range	d	Range
52	S	Range of Pearson's correlation coefficient is _____.					
		a) -100 to +100	b) -10 to +10	c) -1 to +1	d) $-\infty$ to $+\infty$	c	-1 to +1
53	S	In linear regression equation $Y = a + bX$, 'a' is					
		a) Abscissa	b) Intercept	c) Slope	d) Ordinate	b	intercept
54	S	What is the mean of odd numbers between 20 and 40 ?					
		a) 25	b) 30	c) 32.5	d) 35	b	30
55	s	A mother has three children. What is the probability of none of the child is a boy?					
		a) 1/3	b) 1/6	c) 1/8	d) 0	c	1/8
56	s	A square matrix [A] of 3X3 is multiplied with a _____ matrix will produce same square matrix [A]					
		a) Identity matrix of [3 X 3]	b) Row matrix [1 X 1]	c) Column matrix [3 X 1]	d) rectangular matrix [3 X 4]	a	Identity matrix of [3 X 3]
57	s	In a data distribution Mean, Median and mode are same. What type of curve is it?					
		a) Normal probability curve	b) Skewed curve	c) Lorenze curve	d) cusp curve	a	Normal probability curve
58	s	Standard deviation is based on _____ deviations from mean					
		a) Negative	b) positive	c) squared	d) percentage	c	squared
59	s	$a, ar, ar^2, ar^3, ar^4, \dots, ar^{n-1}$ is an example of _____ progression					
		a) arithmetic	b) geometric	c) exponential	d) harmonic	b	geometric
60	s	Chi square is used to find out _____ in data distribution.					
		a) periodicity	b) regularity	c) heterogeneity	d) homogeneity	d	Homogeneity
61	s	Ove TB Storage is equal to :					
		a) 2^8 GB	b) 2^{10} GB	c) 10^{10} MB	d) 10^2 GB	b	2^{10} GB

62	s	Which of the following is not an intel processor?					
		a) pentium	b) Celeron	c) xeon	d) ryzen	d	Ryzen
63	s	Scanner specification DPI stands for:					
		a) Driver Per Instrument	b) Dots Per Individual	c) Dots Per Inch	d) Dividing Page Indicator	c	Dots Per Inch
64	s	Which of the following number system has base of 16?					
		a) Decimal	b) Hexadecimal	c) Binary	d) log	b	Hexadecimal
65	s	Which of the following is correct IP address format?					
		a) 192.168.1.1	b) 178.2245.12.33	c) 123.123.123	d) 120.-23.55.65	a	192.168.1.1
66	s	MODEM is a _____ device.					
		a) output	b) input	c) processing	d) communication	d	communication
67	s	B3 refers to :					
		a) Printer type	b) Paper size	c) Printer ribbon	d) paper thickness	b	Paper size
68	s	Which of the following is not a windows file extension for pictures?					
		a) .tif	b) .pic	c) .gif	d) .bmp	b	.pic
69	s	OFC is used for _____.					
		a) light communication	b) travel time measurement	c) firewall	d) data communication	d	data communication
70	s	Which of the following is not a computer language?					
		a) C++	b) Python	c) Unix	d) Java	c	Unix
71	s	What is the prime meridian?					
		a) $23\frac{1}{2}^{\circ}$ N	b) $23\frac{1}{2}^{\circ}$ S	c) 0° Longitude	d) International Dateline	c	0° Longitude
72	s	Exosphere is the _____ layer of _____.					

		a) coldest , earth	b) warmest, atmosphere	c) warmest, moon	d) coldest, mars	b	warmest, atmosphere
73	s	unit of measure for total ozone is called the _____.					
		a) Dobson unit	b) Moh scale	c) ELR	d) polarity	a	Dobson unit
74	s	Cold fronts and Warm fronts are associated with _____.					
		a) Tropical cyclone	b) Temperate cyclone	c) Continental airmass	d) jet stream	b	Temperate cyclone
75	s	Which of the following cloud extends for larger height?					
		a) stratus	b) cirrus	c) cumulus	d) alto stratus	c	cumulus
76	s	Which continent has both summer and winter during same time of year?					
		a) North America	b) Australia	c) Antarctica	d) Africa	d	Africa
77	s	Temperature inversion is experienced in _____ layer.					
		a) Troposphere	b) Exosphere	c) Mesosphere	d) Mantle	a	Troposphere
78	s	Benioff Zone is located in _____.					
		a) Core	b) Troposphere	c) Mantle	d) crust	d	Crust
79	s	Zealandia is a _____.					
		a) submerged continent	b) Country	c) Tourist Place	d) Most populous twn	a	submerged continent
80	s	Where are Rossby waves located?					
		a) Only ocean	b) only atmosphere	c) both ocean and atmosphere	d) continental crust	c	both ocean and atmosphere
81	s	Two Flat mirrors are placed at an angle of 60° from each other. How many images will be formed of a Candle placed in between them?					
		a) three	b) four	c) five	d) six	c	five
82	s	Visible EMR Spectrum ranges approximately from:					
		a) 0.4 to 0.7 μm	b) 0.7 to 1.1 μm	c) 0.1 to 0.4 μm	d) 0.1 to 1.1 μm	a	0.4 to 0.7 μm

83	s	What is the unit of Astronomical Distance?					
		a) Lux	b) micron	c) light year	d) photon	c	Light year
84	s	pH neutral means:					
		a) mild acidic	b) mild alkaline	c) a natural solution	d) hydronium ion concentration is one molar	d	hydronium ion concentration is one molar
85	s	An artificial Satellite revolves round the Earth in circular orbit, which quantity remains constant?					
		a) Angular displacement	b) Angular Momentum	c) velocity	d) acceleration	b	Angular Momentum
86	s	With the increase of pressure, the boiling point of any substance _____.					
		a) increases	b) decreases	c) remains static	d) remains stable	a	increases
87	s	Plant root zone is called _____.					
		a) thermosphere	b) rhizosphere	c) technosphere	d) chromatosphere	b	Rhizosphere
88	s	Noosphere is synonyms of _____					
		a) Crust	b) atmosphere	c) environment	d) hydrosphere	c	Environment
89	s	If BOD of a water body has a 20 ppm then what can be concluded?					
		a) Clean water	b) slightly polluted	c) not polluted	d) highly polluted.	d	highly polluted
90	s	_____ is a form of water that contains only deuterium rather than the common hydrogen-1 isotope that makes up most of the hydrogen in normal water.					
		a) Heavy water	b) Distilled water	c) pH neutral watr	d) Rain water	a	Heavy water
91	s	Which of the following source of energy does not produce carbon dioxide?					
		a) Thermal	b) Tidal	c) gas based	d) coal	b	tidal
92	s	Decibel is used is the unit of measurement of _____.					
		a) Water level	b) radio waves	c) sound	d) flight speed	c	sound
93	s	The _____ are organism that eats other plants or animals for energy and nutrients.					

		a) autotrophs	b) heterotrophs	c) herbivorous	d) parasites	d	heterotrophs
94	s	Seasonal decomposition is used to analyse:					
		a) Season	b) season in year	c) impact of season	d) seasonal phenomenon	d	seasonal phenomenon
95	s	Arrange following from equator to pole: i. Hadely cell, ii. polar cell, iii. Farrels Cell					
		a) i, ii, iii	b) i, iii, ii	c) ii, iii, i	d) ii, I, iii	b	i, iii, ii
96	s	Which of the following is a rain formation theory?					
		a) Bergeron	b) convection current	c) Wegner	d) MOR	d	Bergeron
97	s	Which of the following is non-conventional energy source?					
		a) Geothermal	b) Petroleum	c) Coal	d) Uranium	a	Geothermal
98	s	Which of the following is absent in polluted water?					
		a) Hydrilla	b) Water hyacinth	c) Larva of stone fly	d) Blue green algae	c	Larva of stone fly
99	s	Which of the following atmospheric pollutants is not produced by the exhaust of motor vehicle?					
		a) Hydrocarbon gases	b) SO ₂	c) CO	d) Fly ash	d	Fly ash
100	s	Leaching of soil is linked to :					
		a) A Horizon	b) eluviation	c) chelation	d) D horizon	b	eluviation
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47	S	Which one the following option is equal to $1 - \cos^2 A$					
		a) $\sin^2 A$	b) $\tan^2 A$	c) $1 - \sin^2 A$	d) $\cos^2 A$	a	$\sin^2 A$
48	S	When the radius of circle is increased two times, how much times the volume will increase?					
		a) 2	b) 3	c) 6	d) 8	d	8
49	S	What will be 56 th natural odd number?					
		a) 55	b) 105	c) 111	d) 196	c	111
50	S	What will the mean of 5, 10, 15, 20, 25, 30, 35					
		a) 7.5	b) 17.5	c) 20	d) 30	c	20
51	S	Maximum observed value – minimum observed value = _____					
		a) Mean	b) Median	c) Mode	d) Range	d	Range
52	S	Range of Pearson's correlation coefficient is _____.					
		a) -100 to +100	b) -10 to +10	c) -1 to +1	d) $-\infty$ to $+\infty$	c	-1 to +1
53	S	In linear regression equation $Y = a + bX$, 'a' is					
		a) Abscissa	b) Intercept	c) Slope	d) Ordinate	b	intercept
54	S	What is the mean of odd numbers between 20 and 40 ?					
		a) 25	b) 30	c) 32.5	d) 35	b	30
55	s	A mother has three children. What is the probability of none of the child is a boy?					
		a) 1/3	b) 1/6	c) 1/8	d) 0	c	1/8

56	s	A square matrix [A] of 3X3 is multiplied with a _____ matrix will produce same square matrix [A]					
		a) Identity matrix of [3 X 3]	b) Row matrix [1 X 1]	c) Column matrix [3 X 1]	d) rectangular matrix [3 X 4]	a	Identity matrix of [3 X 3]
57	s	In a data distribution Mean, Median and mode are same. What type of curve is it?					
		a) Normal probability curve	b) Skewed curve	c) Lorenze curve	d) cusp curve	a	Normal probability curve
58	s	Standard deviation is based on _____ deviations from mean					
		a) Negative	b) positive	c) squared	d) percentage	c	squared
59	s	a, ar, ar ² , ar ³ , ar ⁴ ,, ar ⁿ⁻¹ is an example of _____ progression					
		a) arithmetic	b) geometric	c) exponential	d) harmonic	b	geometric
60	s	Chi square is used to find out _____ in data distribution.					
		a) periodicity	b) regularity	c) heterogeneity	d) homogeneity	d	Homogeneity
61	s	Ove TB Storage is equal to :					
		a) 2 ⁸ GB	b) 2 ¹⁰ GB	c) 10 ¹⁰ MB	d) 10 ² GB	b	2 ¹⁰ GB
62	s	Which of the following is not an intel processor?					
		a) pentium	b) Celeron	c) xeon	d) ryzen	d	Ryzen
63	s	Scanner specification DPI stands for:					
		a) Driver Per Instrument	b) Dots Per Individual	c) Dots Per Inch	d) Dividing Page Indicator	c	Dots Per Inch
64	s	Which of the following number system has base of 16?					
		a) Decimal	b) Hexadecimal	c) Binary	d) log	b	Hexadecimal
65	s	Which of the following is correct IP address format?					
		a) 192.168.1.1	b) 178.2245.12.33	c) 123.123.123	d) 120.-23.55.65	a	192.168.1.1
66	s	MODEM is a _____ device.					
		a) output	b) input	c) processing	d)	d	communication

					communication		
67	s	B3 refers to :					
		a) Printer type	b) Paper size	c) Printer ribbon	d) paper thickness	b	Paper size
68	s	Which of the following is not a windows file extension for pictures?					
		a) .tif	b) .pic	c) .gif	d) .bmp	b	.pic
69	s	OFC is used for _____.					
		a) light communication	b) travel time measurement	c) firewall	d) data communication	d	data communication
70	s	Which of the following is not a computer language?					
		a) C++	b) Python	c) Unix	d) Java	c	Unix
71	s	What is the prime meridian?					
		a) $23\frac{1}{2}^{\circ}$ N	b) $23\frac{1}{2}^{\circ}$ S	c) 0° Longitude	d) International Dateline	c	0° Longitude
72	s	Exosphere is the _____ layer of _____.					
		a) coldest , earth	b) warmest, atmosphere	c) warmest, moon	d) coldest, mars	b	warmest, atmosphere
73	s	unit of measure for total ozone is called the _____.					
		a) Dobson unit	b) Moh scale	c) ELR	d) polarity	a	Dobson unit
74	s	Cold fronts and Warm fronts are associated with _____.					
		a) Tropical cyclone	b) Temperate cyclone	c) Continental airmass	d) jet stream	b	Temperate cyclone
75	s	Which of the following cloud extends for larger height?					
		a) stratus	b) cirrus	c) cumulus	d) alto stratus	c	cumulus
76	s	Which continent has both summer and winter during same time of year?					
		a) North America	b) Australia	c) Antarctica	d) Africa	d	Africa

77	s	Temperature inversion is experienced in _____ layer.				
		a) Troposphere	b) Exosphere	c) Mesosphere	d) Mantle	a Troposphere
78	s	Benioff Zone is located in _____.				
		a) Core	b) Troposphere	c) Mantle	d) crust	d Crust
79	s	Zealandia is a _____.				
		a) submerged continent	b) Country	c) Tourist Place	d) Most populous twn	a submerged continent
80	s	Where are Rossby waves located?				
		a) Only ocean	b) only atmosphere	c) both ocean and atmosphere	d) continental crust	c both ocean and atmosphere
81	s	Two Flat mirrors are placed at an angle of 60° from each other. How many images will be formed of a Candle placed in between them?				
		a) three	b) four	c) five	d) six	c five
82	s	Visible EMR Spectrum ranges approximately from:				
		a) 0.4 to 0.7 μm	b) 0.7 to 1.1 μm	c) 0.1 to 0.4 μm	d) 0.1 to 1.1 μm	a 0.4 to 0.7 μm
83	s	What is the unit of Astronomical Distance?				
		a) Lux	b) micron	c) light year	d) photon	c Light year
84	s	pH neutral means:				
		a) mild acidic	b) mild alkaline	c) a natural solution	d) hydronium ion concentration is one molar	d hydronium ion concentration is one molar
85	s	An artificial Satellite revolves round the Earth in circular orbit, which quantity remains constant?				
		a) Angular displacement	b) Angular Momentum	c) velocity	d) acceleration	b Angular Momentum
86	s	With the increase of pressure, the boiling point of any substance _____.				
		a) increases	b) decreases	c) remains static	d) remains stable	a increases

87	s	Plant root zone is called _____.					
		a) thermosphere	b) rhizosphere	c) technosphere	d) chromatosphere	b	Rhizosphere
88	s	Noosphere is synonyms of _____					
		a) Crust	b) atmosphere	c) environment	d) hydrosphere	c	Environment
89	s	If BOD of a water body has a 20 ppm then what can be concluded?					
		a) Clean water	b) slightly polluted	c) not polluted	d) highly polluted.	d	highly polluted
90	s	_____ is a form of water that contains only deuterium rather than the common hydrogen-1 isotope that makes up most of the hydrogen in normal water.					
		a) Heavy water	b) Distilled water	c) pH neutral water	d) Rain water	a	Heavy water
91	s	Which of the following source of energy does not produce carbon dioxide?					
		a) Thermal	b) Tidal	c) gas based	d) coal	b	tidal
92	s	Decibel is used is the unit of measurement of _____.					
		a) Water level	b) radio waves	c) sound	d) flight speed	c	sound
93	s	The _____ are organism that eats other plants or animals for energy and nutrients.					
		a) autotrophs	b) heterotrophs	c) herbivorous	d) parasites	d	heterotrophs
94	s	Seasonal decomposition is used to analyse:					
		a) Season	b) season in year	c) impact of season	d) seasonal phenomenon	d	seasonal phenomenon
95	s	Arrange following from equator to pole: i. Hadely cell, ii. polar cell, iii. Farrels Cell					
		a) i, ii, iii	b) i, iii, ii	c) ii, iii, i	d) ii, I, iii	b	i, iii, ii
96	s	Which of the following is a rain formation theory?					
		a) Bergeron	b) convection current	c) Wegner	d) MOR	d	Bergeron
97	s	Which of the following is non-conventional energy source?					

		a) Geothermal	b) Petroleum	c) Coal	d) Uranium	a	Geothermal
98	s	Which of the following is absent in polluted water?					
		a) Hydrilla	b) Water hyacinth	c) Larva of stone fly	d) Blue green algae	c	Larva of stone fly
99	s	Which of the following atmospheric pollutants is not produced by the exhaust of motor vehicle?					
		a) Hydrocarbon gases	b) SO ₂	c) CO	d) Fly ash	d	Fly ash
100	s	Leaching of soil is linked to :					
		a) A Horizon	b) eluviation	c) chelation	d) D horizon	b	eluviation