Question Booklet Alpha Code



Question Booklet Serial Number

100157

Total Number of Questions: 100

Time: 75 Minutes

Maximum Marks: 100

## INSTRUCTIONS TO CANDIDATES

- The question paper will be given in the form of a Question Booklet. There will be four versions
  of question booklets with question booklet alpha code viz. A, B, C & D.
- The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
- The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
- If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
- The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
- The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
- 7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
- 8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
- Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.
- Each question is provided with four choices (A), (B), (C) and (D) having one correct answer.
   Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball Point Pen in the OMR Answer Sheet.
- Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.
- 12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
- 13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

## 02/2019

1.	Which river is known as Dakshina Bhageerathu?
	(A) Kaveri (B) Periyar (C) Pamba (D) Krishna
2.	Zemu Glacier can be seen in :
	(A) Kashmir (B) Sikkim
	(C) Arunachal Pradesh (D) Jammu
	(C) January
3.	Lanc 15 III .
	(A) Odisha (B) Kerala (C) Pulicat (D) Kashmir
4.	Name the largest mangrove forest of the world:
	(A) Deccan (B) Malwa (C) Garo (D) Sunderbans
5.	Name the social reformer who became the member of the Sree Mullam Praja Sabha in 1911.
	(A) Sree Narayana Guru (B) Ayyankali
	(C) Ayyappan (D) T.K. Madhavan
6.	First War of Indian Independence took place during the period of :
	(A) Lord Lytton (B) Lord Dalhousie
	(C) Lord Mountbatten (D) Lord Canning
7.	The policy of which group of Indian leaders was known as 'Political Mendicancy'?  (A) Socialist leaders
	(A) Socialist leaders (B) Moderate leaders
	(C) Extremists leaders (D) Revolutionary leaders
	The term Ghadr means:
	(A) Rebellion (B) Swaraj (C) Freedom (D) Solidarity
	In which language was the newspaper 'Kesari' published?
	(A) Bengali (B) Tamil (C) Marathi (D) Gujarathi
0.	Name the freedom fighter who formed the Forward Bloc in 1939.
	(A) Gandniji (B) Gokhalo
	(C) Lal Bahadur Shastri (D) Subhash Chandra Bose

11.	Wh	o proposed the S	Sarvoda	aya Plan ?						
	(A)	M.N. Roy	(B)	J.P. Nar	ayanan	(C)	Gandhiji	(D)	Tilak	
12.	Wh	ich soil is formed	l as a re	esult of the	mons	oons ?		ila	drevenk	
		Black Soil	(B)	Red Soil		(C)		(D)	Laterite Sc	oil
13.	Nar	ne the player wh	no won	the Golde	en Boot	Awai	rd in 2018 FIFA	World	Cup.	
	(A)				(B)		ry Kane			
	(C)	Christian Eriks	sen		(D)	Dele	Alli			
14.	Whi	ich model was in	troduc	ed in the I	First Fix	e Yea	r Plan 2			
	(A)	Harrod-Domar			(B)		alanobis mode	1		
	(C)						ruvian model			
15.	In 2	017 Manushi Chi	hillar v	rae coloato	d as th					
	(A)	Miss Asia-Paci		vas selecte	(B)		World			
	(C)	Miss Earth			(D)		Universe			
16.	2006	was the Banglac	deshi ed	conomist a	nd soci	al ent	repreneur to w	in the N	obel Peace I	rize i
	(A)	Iqbal Quadir			(B)	Shiri	n Ebadi			
	(C)	Sheikh Hasina			(D)	Muh	ammed Yunus			
17.	Fron	n the given option	ns find	out the pla	ayer wh	o was	s honored with	'Rajiv C	andhi Khel	Ratna
	(A)	Tarak Sinha	(B)	Hima Da	s	(C)	Mirabai Chan	u (D)	P.V. Sindh	u
18.	Whic	h Indian pair we	on gold	l medal in	Men's	Doub	le Tennis at 20	18 Asia	Cames 2	
	(A)	Rohan Bopanna							Carries :	
	(B)	Leander Paes a								
	(C)	Rohan Bopanna								
	(D)	Diviji Sharan ar	nd Mal	nesh Bhup	ati					
02/2	019				4					Y

19. Who authored the book Juti Lakshanam?
(A) Sankaracharvar
(C) Ayyankali
Swamikkal Swamikkal
20. Who won the Best Director Award in the 65th National Film Awards?
(A) Ridhi Sen (A) Ridhi Sen (A) National Film Awards ?
(C) Jayaraj (B) Ganesh Acharya
(D) Adoor Gopalakrishnan
21. The first model of landscape evolution to gain widespread acceptance within the discipline  (A) W.M. Davie.
(A) W.M. Davis
(B) Walter P
(C) L. King (D) J.T. Hack
22. The total length of all the streams and rivers in a drainage basin divided by the total area of  (A) Stream frequency.
(R) El
(C) Form factor
- state density
23. A deposition landform in which an island is attached to the mainland by a narrow piece of  (A) Sea arch (B) C
(B) San Jiff
(C) Tombolo (D) Delta
24. Athirappilly waterfalls is in the River
(A) Periyar (B) Cl. 1
(D) Pampa
25. The Theme of the World Environment Day 2018 was :  (A) Go wild for life
(A) Go wild for life
(B) Think, Eat. Save
(C) Green Economy: Does it include you?
(D) Beat Plastic Pollution
26. The type of landslide which is a variety
26. The type of landslide which is a variety of very rapid to extremely rapid debris flow:  (B) Creep
(C) Debris avalanche
(D) Earth flow
5
02/2019

{P.T.O.}

27.		Mexican volcano Fuego		as erupted most Kilauea		ly in June 2018 Mount Etna		Vesuvius	
28.	A con	mmon constructi	on ma						
	(A)	Charnockite	(B)	Laterite	(C)	Slate	(D)	Limestone	
		0/ 0/ :		Mauguin Cu	mbol	for the	clas	c	
29.	2/m (A)	2/m 2/m is the Rhombic-dipyra				xagonal-dipyra			
	(A) (C)	Hexoctahedral	muda	(D)	Pedi				
	(0)			The second second					
30.	Exan	nple for a basic r	efracto	ory mineral is:					
	(A)	Kyanite	(B)	Sillimanite	(C)	Chromite	(D)	Magnesite	
31.		feldspar with the				Canidina	'(D)	Albite	
	(A)	Orthoclase	(B)	Celsian	(C)	Sanidine	(D)	Albite	
32.	Cros	s hatched twin i	s assoc	ciated with:					
32.		Albite		Garnet	(C)	Baryte	(D)	Microcline	
	1								
33.	Exai	mple for a biaxia	l mine	ral is:					
	(A)	Galena	(B)	Beryl	(C)	Zircon	(D)	Gypsum	
				the Callestine					
34.		Aluminium		Gold	(C)	Mercury	(D)	Nitrogen	
	(A)	Aluminidiii	(D)	Gold	(0)	111010111	1-/		10
35.	The	stable isotope of	lead,	which is not rad	iogeni	c is:			
	(A)		(B)	206рь	(C)	207рь	(D)	208Pb	
							-		
36.		second mineral							S 1S
	(A)	Olivine	(B)	Muscovite	(C)	Orthoclase	(D)	Pyroxene	
37.	An	intergrowth of	fana	tz and alkali f	eldspa	ar in which th	in blel	os of quartz li	ie ii
37.	cry	stallographic ori	entatio	ons within large	alkali	feldspar crystal	s is:		
	(A)	Graphic	(B)	Exsolution	(C)	Trachytic	(D)	Ophitic	
02	/2019				6				

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38.	Text	ure characteristic	of Ga	abbro is:						
	(A)	Myrmekitic	(B)	Rapakivi		(C)	Spinifex	(D)	Ophitic	
39.		e or less vertical teep faults is :	and cy	lindrical bod	lies th	at cor	sscut adjacent se	diment	s and are bo	unded
	(A)	Lopolith .	(B)	Laccolith		(C)	Bysmalith	(D)	Batholith	
40.	Pick	the odd one out								
	(A)	Orangeites			(B)	Grou	up II Kimberlites			
	(C)	Olivine lampro	ites		(D)	Grou	ip I Kimberlites			
41.	A ty	pe of intrusive or	extrus	sive igneous	rock c	onsist	ing of greater tha	in 50%	carbonate m	inerals
	(A)	Calc-silicates	(B)	Carbonati	tes	(C)	Diabase	(D)	Norite	
42.	With	n reference to the	e shape	e of clastic se	edime	nts, p	ick the odd term	out:		
	(A)	Equant	(B)	Triaxial		(C)	Equiaxial	(D)	Spherical	
43.	Size	of silt is:								
	(A)	1/16-2 mm			(B)	1/25	56-1/16 mm			
	(C)	<1/256 mm			(D)	>256	5 mm			
44.	The	source area or a	reas of	the materia	l mak	ing u	p the sediment is	s :		
	(A)	Provenance	(B)	Province		(C)	Type area	(D)	Stock	
45.	The	deposit produce	d fron	n phosphate	-beari	ng bir	d-droppings is l	cnown	as:	
	(A)	Diatomite	(B)	Tripoli		(C)	Guano	(D)	Grit	
46.		sedimentary strother is :	ucture	which has t	he ap	peara	nce of a series of	f cones	packed one	inside
	(A)	Cone-sheet			(B)	Con	e-in-cone			
	(C)	Cone of deper	ssion		(D)	Con	densed sequence	e		
47.	Dep	osit of sediment	s form	ed at the mo	outh o	f a riv	er where it enter	rs a lak	e or the sea	is:
	(A)	Sabkha	(B)	Loess		(C)	Bajadas	(D)	Delta	
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{P.T.O.}

48.	Two								
40.				erpentinite			ct metamorphism		
		Hornfels,			100000		e, phyllite, schist		
	1-/		marbie, car	Concare	(D)	Met	a basalt, greenst	one, m	eta gabbro
49.	Ap	lagioclase-fr	ee mafic ro	ck mainly co	ompos	sed of	omphacite and	garnet	is:
	(A)	Eclogite	(B)	Khondalite	e	(C)	Skarn	(D)	Charnockite
50.	An in tl	he field as o	represents ne progress	the first app es up metan	norph	ice of	a particular me de.	tamor	phic index minera
	(A)	Isobar	(B)	Isopleth		(C)	Isograd	(D)	Isoline
51.	The	characterist	ic mineral t	hat imparts	the b	lue co	lour to the blues	chist r	ocks is :
		Kyanite	(B)	Beryl		(C)	Glaucophane		
52.	The	protolith of	marble is t					-	
		Shale		Granite		(C)	Sandstone	(D)	Limestone
53.	Mar	itled porphy	roclasts car	n be subdivi	ded i	nto _	types.		
	(A)	two	(B)	five		(C)	four	(D)	six
54.	Unre	eacted miner	al grain in	clusions in p	oikilo	blasts	is:		
				The state of the s				(D)	Armoured relics
55.	Δ	otomorphia	toutous is	1:1:.			allenda Andre		
JJ.	rand	omly orient	ed is:	which interp	enetra	ating	platy or columna	ır graii	ns are more or less
	(A)	Decussate	(B)	Augen		(C)	Granoblastic	(D)	Graphic
56.	The	smaller folds	s, which oo	cur on the li	mbs c	r hing	ge of the larger f	olds, a	re known as :
							Parasitic folds		
57.	The such	folds in which that the fold	ch the orthod maintains	ogonal thick a constant	ness o	of the	folded layer char neasured parallel	nges ir	a systematic way axial surface is:
		Similar fold					Chevron fold		
02/2	019				8				

58.	The lensoid or pillow-shaped structures separated by narrow necks, produced when relatively strong layers of rock are stretched and become elongated during deformation is:								
	(A)	Mullions			(B)	Elon	gation lineation		
	(C)	Boudins			(D)	Penc	il lineation		
59.		s which show cle mineralization is		idence of 1	repeate	ed frac	cturing followed	by pr	ecipitation of new
	(A)	Antitaxial veins			(B)	Synt	axial veins		
	(C)	Normal veins			(D)	Crac	k-and-seal veins	1900	
							- 10 638 miles		
60.	-	is a grind	ing of	the host ro	ock by			wear al	long fault surfaces.
	(A)	Attrition breccia			(B)		h brecciation		
	(C)	Implosion breco	riation		(D)	Devi	trification .		
61.			tratign	aphic inter	rval bet	tween	two beds that ar	e brou	ght into contact by
		ting:							
		Cutoff			(B)		igraphic throw		
	(C)	Slip			(D)	Strat	igraphic heave		
62.	The	zone of en echelo	on vei	ns or en ec	helon	ioints	is example for		shear zone.
		Semibrittle	(B)	Brittle			Ductile	(D)	Brittle-ductile
63.		of the strong evid							outh America was pothesis.
	(A)	Mesosaurus	(B)	Cynogna	thus	(C)	Lystrosaurus	(D)	Allosaurus
64.	Who	o first coined the	term s	eafloor sp	readin	0?			
		Harry H. Hess					J.P. Rothe	(D)	Robert S.Dietz
65.		Canadian geophy	vsicist	who discov	vered t	ransfo	rm faults and als	ю ргор	osed the "hotspot"
	(A)	Harry H. Hess	(B)	J. Tuzo W	Vilson	(C)	J.P. Rothe	(D)	Robert S. Dietz
66.	The	hot-spot that is is	dentifi	ed to be th	e sour	ce for	Deccan Volcanis	sm is	
		Crozet		Reunion			Tibesti		Carolinas
						,			
A					9				02/2019 {P.T.O.}
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10

02/2019

76.		etc. is :	metho	d, where pi	icks ar	nd sho	ovels are used	in excav	ating sands, sandy
	(A)	Pan and batea	(B)	Sluicing		(C)	Rocker	(D)	Hydraulicking
77.	Gop	hering is	I	method.					
	(A)	An alluvial min	ing		(B)	An	underground r	mining	
	(C)	An open cast m	nining		(D)	Coal	mining		
78.	The	simple low-cost p	arocae	e ueablo onl	lar for	fron m	illing natities ag	ald and	dhaar araa ta .
	(A)						ation		
	(C)	Spiral Concenti			120				
					(-)	Oita	rty Concentra	LIOIT	
79.	Nick	kel Sulfide Depos nation.	sits of	Sudbury, C	Ontari	o is a	n example for	ez (10/8)	process of ore
	(A)	Residual Liquid	Segre	egation	(B)	Resi	dual Liquid In	jection	
	(C)	Immiscible Liqu	rid Se	gregation	(D)	Imm	niscible Liquid	Injection	
80.	The	term used to refe	er to re	ocks contain	ning ca	alcium	a-bearing silica	te miner	als is:
	(A)	Calcite	(B)	Magnesite		(C)	Gossan	(D)	Skarn
04	1477								CONTRACTOR OF THE PARTY OF THE
81.		at does 1 cm on a		1					
	(A)	500 m	(B)	50 cm		(C)	5 m	(D)	50 m
82.	In a	datas	set, th	e image is o	display	ved as	rows and col	umns of	pixels
							Raster		
83.	Vege	etation with more	e	will	reflec	et moi	re NIR radiatio	n.	
	(A)	Water	(B)	CO <sub>2</sub>		(C)	Chlorophyll	(D)	Oxygen
84.		CTOSAT was laur	nched	by:					
	(A)	USA	(B)	China		(C)	Japan	(D)	India
A					11				02/2019
									{P.T.O.}

85.	That part of the ele unaffected is known	ectromagne as :	tic spectrum	which pas	sses through t	the atmosphere almo
	(A) Spectral signat	ure	(B)	Atmosph	eric window	
	(C) Ozone window	W	(D)	Black hole	e	
86.	The process of assign	ning geogra	phic coordin	ates to a da	ataset is called	1:
	(A) Transformation	1	(B)	Edge - ma	atching	
	(C) Georeferencing		(D)	Krigging		
87.	The GIS analysis that	is suitable	for traffic re	lated studie	es is :	
	(A) Overlay	(B) Net	work	(C) 3D	(	(D) Spatial
88.	An open source GIS	software is				
	(A) ERDAS	(B) Arc	GIS	(C) Map	Info (	(D) QGIS
89.	The light which our	eyes can de	tect is	of the	e EM spectrui	m.
	(A) Ultraviolet	(B) Infr	ared	(C) Micr	rowave (	D) Visible region
90.	National Remote Sens	sing Centre	is situated a	it:		
	(A) Bangalore	(B) Deh	radun	(C) New	Delhi (1	D) Hyderabad
0.4						
91.	An aquifer with an ur groundwater and also	transmits	r overlying it slowly from	confining I	ayer of low pe er is:	ermeability that store
	(A) Unconfined	(B) Con	fined	(C) Semi	-confined (I	D) Perched
02/2	2019		12			
			12			

92	2. The	e maximum rate of grou a basin while ensuring satisfactory levels is:	andwater withdra that the hydraul	awal sustainable wi lic head throughout	thin the hydrogeologic system that basin can be maintained
	(A	) Well yield (B)	Aquifer yield	(C) Basin yield	(D) Specific capacity
93	. The	e term used to denote a the well under pumping	cone-shaped de conditions is :	pression in water le	vels in the immediate vicinity
	(A)	Pumping depression	(B)	Drawdown surfa	ace
	(C)	Cone of depression	(D)		
94.	The	type of electrode conf cent electrodes is kept	iguration for resconstant is :	sistivity survey, in	which the distance between
	(A)	Schlumberger (B)	Wenner	(C) Dipole-dipo	le (D) Pole-dipole
95.	SAR	in water chemistry sta	nds for :		
	(A)	Sodium Absorption R		Sodium Adsorptio	on Ratio
	(C)	Sodium Adsorption R	eaction (D)	Sodium Absorption	
96.	The	principle used to evalua	ite the extent of	salt water intrusion	in coastal mustom :-
	(A)	Darcy's Law	(B)	Laplace equation	accoustar aquifers is :
	(C)	Ghyben-Herzher	(D)	Thiem's equation	
97.	EPM	A in petrological studies	s stands for :		
	(A)	Electron Pulse Microan		Electron Probe Mic	TOanalyeie
	(C)	Electron Pulse Mineral	Analysis (D)	Electron Probe Min	
98.	Natio	nal Centre for Antarctic	and Ocean Rese	earch is situated in	the state of
		1.6.1	21:1	(C) Goa	(D) Karnataka
1			13		02/2019 {P.T.O.}

- 99. Terrameter is:
  - (A) The unit of resistivity
  - (B) An instrument used for resistivity survey
  - (C) The equipment used for GIS data capture
  - (D) None of these
- 100. The process of removing carbon from the atmosphere and depositing it in a reservoir is :
  - (A) Carbon filtration
- (B) Carbon segregation
- (C) Carbon dumping
- (D) Carbon sequestration

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