## 097/2022

1.

Maximum: 100 marks

In which triangle all the three angles are less than  $90^{\circ}$  and unequal :

Time: 1 hour and 30 minutes

A		3		[P.T.O.]
	(C)	Circle	(D)	Involute
	(A)	Cycloid	(B)	Ellipse
6.	_	igure bound by a curve, formed by the a fixed distance from a stationery poin		as of a point which moves so that, it is lled:
	(C)	180°	(D)	108°
	(A)	90°	(B)	540°
5.	A regular	pentagon having an angle of:		
	(D)	Dimension should be placed near the line	midd	le and above but clear of the dimension
	(C)	Dimension can be read from the bot sheet	tom e	dge or right hand edge of the drawing
	(B)	Dimension can be read only from the	bottor	n edge of the drawing sheet
	(A)	Dimension value placed perpendicula	r to th	ne dimension line
4.	Which one	e of the following statement is not corre	ect in 1	the case of aligned system?
	(C)	Outline of adjacent part	(D)	Line of symmetry
	(A)	Dimension line	(B)	Cutting plane
3.	Continuo	us thin lines are used as :		
	(C)	Rhomboid	(D)	Rhombus
	(A)	Rectangle	(B)	Trapezoid
2.	A quadrila known as		and p	arallel and opposite angles are equal is
	(C)	Right angled triangle	(D)	Scalene triangle
	(A)	Equilateral triangle	(B)	Acute angled triangle

<b>7</b> .	Which scale is suitable to convert Fahrenheit into Celcius?						
	(A)	Comparative scale	(B)	Diagonal scale			
	(C)	Vernier scale	(D)	Retrograde vernier			
8.		80° incline to HP and parallel to VP. If statement is correct?	the li	ne is at first quadrant which one of the			
	(A)	Elevation will be of actual length 30° inclined and below XY line					
	(B)	Elevation will be shorter than actual l	ength	and above XY line			
	(C)	Elevation will be shorter than actual l	ength	a 30° inclined and below XY line			
	(D)	Elevation will be of actual length 30° i	inclin	ed and above XY line			
9.	The lengtl	h of a line in an isometric projection wil	l be :				
	(A) Equal to the actual length of the line						
	(B)	0.82 times the actual length of the line					
	(C)	1.82 times the actual length of the line					
	(D)	None of these					
10.	When a cone is cut inclined to the axis or base is called?						
	(A)	Frustum of cone	(B)	Frustum of pyramid			
	(C)	Truncated cone	(D)	Truncated pyramid			
11.	How man	y links are in a Gunter's chain?					
	(A)	16	(B)	66			
	(C)	33	(D)	100			
12.	1 Hectare	is equal to :					
	(A)	10000 sq.m	(B)	1000 sq.m			
	(C)	4047 sq.m	(D)	404.7 sq.m			
13.	For a high	nest precision work the baseline measur	emen	at is done with :			
	(A)	Metric chain	(B)	Steel tape			
	(C)	Invar tape	(D)	Metallic tape			

14.	What should be the limit of overall length of 30 m chain?							
	(A)	$\pm 5 \text{ mm}$	(B)	± 8 mm				
	(C)	$\pm 4 \text{ mm}$	(D)	± 6 mm				
<b>15.</b>	For the fl	exibility of chain :						
	(A)	(A) Links are made up with mild steel wire of 4 mm						
	(B)	(B) Handles are provided at the end with swivel joint						
	(C)	Links are connected toget	her by means of t	hree circular rings				
	(D)	None of these						
16.	Line rang	ger is used when :						
	(A)	The line is short	(B)	The ends of line are not intervisible				
	(C)	There is obstruction	(D)	The line is too long				
<b>17.</b>	The later	al measurement taken at ri	ght angle to the s	urvey line is called :				
	(A)	Perpendicular offset	(B)	Tie line				
	(C)	Check line	(D)	Oblique offset				
18.	Survey work is recorded by measurements and sketches in:							
	(A)	Field notes	(B)	Survey book				
	(C)	Field book	(D)	All of the above				
19.	Which one of the following is an example of vision obstructed and chaining free type?							
	(A)	Building	(B)	Rising ground				
	(C)	Pond	(D)	River				
20.	The angle	e of sloping ground in chain	surveying is take	n with :				
	(A)	Clinometer	(B)	Abney level				
	(C)	Theodolite	(D)	All of the above				
21.	In a trave	erse surveying the direction	of lines are meas	ured with a :				
	(A)	Chain	(B)	Clinometer				
	(C)	Compass	(D)	Tape				

<b>22.</b>	In Simpson's rule the number of ordinates must be:					
	(A)	Odd	(B)	Even		
	(C)	Both (A) and (B)	(D)	None of these		
23.	The area	of figure having irregular or cu	ırved boundari	es are determined by :		
	(A)	Using Pentagraph	(B)	Simpson's rule		
	(C)	Trapezoidal rule	(D)	Using Planimeter		
24.	Which on	e of the following is required w	hile preparing	a site plan?		
	(A)	North direction	(B)	Main survey line		
	(C)	Road	(D)	All of the above		
25.	The accuracy of the whole of the details in a survey work depends upon the straightness and accuracy of the :					
	(A)	Offset line	(B)	Base line		
	(C)	Check line	(D)	Tie line		
26.	The level	designated as self aligning lev	el:			
	(A)	Tilting level	(B)	Dumpy level		
	(C)	Wye level	(D)	Auto level		
27.	The least	count of levelling staff is:				
	(A)	0.0005 m	(B)	0.005 m		
	(C)	0.05 m	(D)	0.5 m		
28.	The imaginary line joining the intersection of the cross hairs and the optical centre of the objective is:					
	(A)	Line of collimation	(B)	Axis of telescope		
	(C)	Axis of sight	(D)	None of these		
29.	A Bench 1	mark is a :				
	(A)	reference point				
	(B)	The very first station				
	(C)	The last station where the Su	urvey closes			
	(D)	Point of known elevation				

	(A)	To prepare a plan or map			
	(B)	To determine the area			
	(C)	To determine the elevations of the poi	nts		
	(D)	To calculate the volume of earthwork			
31.		e is normal to plumb line at all points?			
	(A)	Curved line	(B)	Level line	
	(C)	Vertical line	(D)	Horizontal line	
<b>32.</b> The very first reading taken in a levelling operation is called:			called :		
	(A)	Back sight	(B)	Fore sight	
	(C)	Intermediate sight	(D)	Invert	
33.	The telesc	cope of a dumpy level:			
	(A)	Can be taken out of its support and re	verse	d	
	(B)	(B) Permits interchange of eyepiece and object glass			
	(C)	Rigidly fixed to the levelling head			
	(D)	Can be tilted in a vertical plane			
34.	An inverte	ed staff reading is taken when the point	is:		
	(A)	having high elevation	(B)	Above the line of sight	
	(C)	Below the line of sight	(D)	Below the ground level	
<b>35.</b>	A change	point is :			
	(A)	The very first station			
	(B)	The last station			
	(C)	The intermediate station where FS an	d BS	are taken	
	(D)	None of these			

**30.** 

The main function of levelling is:

36.	Which of the following is not an instrumental error?						
	(A)	The error due to imperfect permanent	adjus	stment			
	(B)	Error due to sluggish bubble					
	(C)	Error due to movement of objective sli	ide				
	(D)	Error due to settlement of staff					
<b>37.</b>	The appar	rent movement of the image relatively t	to the	cross hairs is :			
	(A)	Parallax	(B)	Refraction			
	(C)	Transit	(D)	Tilting			
38.	Correction	n for curvature for a distance of 1 km is	:				
	(A)	0.0112 m	(B)	0.0673 m			
	(C)	0.0785 m	(D)	0.0673 km			
39.	If the RL	of the BM is 100 m and BS is 1.725, Fir	nd the	height of instrument at the station:			
	(A)	-98.275	(B)	+98.275			
	(C)	-101.725	(D)	+101.725			
40.	The bench	n mark established for short duration su	ıch as	the end of a days work is:			
	(A)	Arbitrary BM	(B)	Temporary BM			
	(C)	Permanent BM	(D)	GTS BM			
41.	The imagi	nary line joining the points of same ele	vatior	n is:			
	(A)	Horizontal line	(B)	Isohyets			
	(C)	Contour line	(D)	Isobars			
42.	Closely sp	aced contour line indicates :					
	(A)	Steep slope	(B)	Gentle slope			
	(C)	Plane surface	(D)	Vertical cliff			

<b>43.</b>	Contour l	ines look cross to each other in case of:		
	(A)	Overhanging cliff	(B)	A dam
	(C)	A steep hill	(D)	A deep valley
44.	The meth	od used for interpolating contour points	s betw	veen two points :
	(A)	Rise and fall method	(B)	Double sighting method
	(C)	Graphical method	(D)	Reiteration method
<b>45.</b>	Suitable o	contour interval for Reservoir planning	is:	
	(A)	0.2  to  0.5  m	(B)	0.5 to 2.0 m
	(C)	1.0 to 3.0 m	(D)	2.0 to 5.0 m
46.	The differ	rence in elevation between two successi	ve con	atours is :
	(A)	Level difference	(B)	Contour Gradient
	(C)	Contour interval	(D)	Contour profile
<b>47</b> .	Locating	points on a given contour gradient can l	be dor	ne by :
	(A)	Clinometer	(B)	Pentagraph
	(C)	Planimeter	(D)	Subtense bar
48.	Contour l	ines:		
	(A)	end abruptly	(B)	cross each other
	(C)	are uniformly spaced	(D)	close somewhere
49.	A 'T' shap	ed wooden rod used for setting out prop	per gra	adient between two points :
	(A)	'T' square	(B)	Arrow
	(C)	Boning rod	(D)	Cross pole
50.	The pres	_	of ear	th work is applicable only when the
	(A)	Even	(B)	Odd
	(C)	Limited	(D)	None of these

<b>51.</b>	Size of survey field book is:					
	(A)	$15 \times 25 \text{ cm}$	(B)	$12 \times 20 \text{ cm}$		
	(C)	$21 \times 29.7 \text{ cm}$	(D)	$20 \times 30 \text{ cm}$		
<b>52.</b>	Area of ar	n irregular shaped figure is determined	by:			
	(A)	Plani meter	(B)	Pentagraph		
	(C)	Speedo meter	(D)	Cross staff		
<b>53.</b>	The main	principle of survey is:				
	(A)	Work from part to whole	(B)	Work from centre to sides		
	(C)	Work from whole to part	(D)	Work from anywhere		
<b>54.</b>	Cadastral	survey is used to :				
	(A)	Prepare revenue maps of states	(B)	Find the angular measurements		
	(C)	Find the height of points in the site	(D)	Locate the features in the site		
<b>55.</b>	Length of	Surveyor's chain is:				
	(A)	11 yard	(B)	22 yard		
	(C)	33 yard	(D)	50 yard		
<b>56.</b>	In Auto C	AD, the function key of GRID command	d is:			
	(A)	F9	(B)	F8		
	(C)	F7	(D)	F10		
<b>57.</b>	The short	key for remove italic format for select t	text is	:		
	(A)	Ctrl + B	(B)	Ctrl + I		
	(C)	Ctrl + U	(D)	Ctrl + A		
<b>58.</b>	In Auto C	AD, the command used to create a repe	ating	pattern of the selected object :		
	(A)	Array	(B)	Trim		
	(C)	Erase	(D)	Rotate		

<b>59</b> .	In Auto C	AD, the key stroke used for the	function 'redo	D´:
	(A)	Ctrl + O	(B)	Ctrl + S
	(C)	Ctrl + U	(D)	Ctrl + Y
60.	The Auto	CAD command which is used to	breaks a poly	yline into its individual segments :
	(A)	Extend	(B)	Explode
	(C)	Extrude	(D)	Break
61.	Function	key F10 is used in Auto CAD to	:	
	(A)	Snap ON/OFF	(B)	Ortho ON/OFF
	(C)	Polar tracking ON/OFF	(D)	Grid ON/OFF
62.	Which cor	mmand is used to exit from a dra	awing file in A	Auto CAD?
	(A)	Exit	(B)	Quit
	(C)	Escape	(D)	Undo
63.	Which cor	mmand is used to erase a part of	an object bet	tween two points?
	(A)	Close	(B)	Break
	(C)	Remove	(D)	Delete
64.	In a comp	uter, ROM means :		
	(A)	Read Only Memory	(B)	Random Access Memory
	(C)	Random Only Memory	(D)	None of the above
<b>65</b> .	To draw a	line parallel to the first line, th	e command u	sed in Auto CAD is :
	(A)	Extend	(B)	Mirror
	(C)	Trim	(D)	Offset
66.	The estim	ated value of the property at the	e end of life p	eriod without being dismantled :
	(A)	Scrap value	(B)	Salvage value
	(C)	Book value	(D)	Market value

<b>67</b> .	The value of the property fetch down than the market value is:					
	(A)	Salvage value	(B)	Market value		
	(C)	Distress value	(D)	Monopoly value		
68.	Painting of	constant for a venetian door for bo	oth sides is :			
	(A)	Its surface area	(B)	2 times its surface area		
	(C)	2.25 times its surface area	(D)	3 times its surface area		
69.	To get one cubic metre wet cement concrete, the total quantity of dry materials are :					
	(A)	1.2 cubic metre	(B)	1.54 cubic metre		
	(C)	0.30 cubic metre	(D)	2 cubic metre		
70.	Unit weig	ht of cement is :				
	(A)	$1000 \mathrm{\ kg}$	(B)	$2000~\mathrm{kg}$		
	(C)	1440 kg	(D)	2300 kg		
71.	The carpet area of a residential building is taken as:					
	(A)	50 to $65%$ of the plinth area	(B)	70 to 75% of the plinth area		
	(C)	25 to 50% of the plinth area	(D)	75 to 90% of the plinth area		
72.	The capacity of doing work by a skilled labour in the form of quantity of work per day:					
	(A)	Efficiency	(B)	Power		
	(C)	Out-turn	(D)	Out put		
73.	Horizonta	l circulation area of a building is	taken as :			
	(A)	5 to 10% of the plinth area	(B)	10 to $15%$ of the plinth area		
	(C)	20 to 30% of the plinth area	(D)	50 to 60% of the plinth area		
74.	The numb	per of modular bricks required for	10 m³ brick	masonry:		
	(A)	500	(B)	1000		
	(C)	50000	(D)	5000		

The quan	The quantity of cement required for 100 m <sup>3</sup> of M15 grade cement concrete is:					
(A)	660 bags	(B)	840 bags			
(C)	1155 bags	(D)	462 bags			
Which of the following statement is/are correct about Total station?						
(i)	Quick setting of the instrument on t	he tripo	od using laser plummet.			
(ii)	Their use provides hard copies of field nots. Hence it may be easy for the surveyor while surveying.					
(iii)	Greater accuracy in area computation	on.				
(A)	Only (i) and (ii)	(B)	Only (i) and (iii)			
(C)	All of these above (i), (ii) and (iii)	(D)	Only (ii) and (iii)			
Which of	the following statement is/are wrong a	about E	DM?			
(i)	Precise measurement of distance.					
(ii)	Capable of measuring long distances.					
(iii)	i) Accuracy is not affected by atmospheric conditions.					
(A)	Only (i)	(B)	Only (ii)			
(C)	Only (iii)	(D)	All of these above (i), (ii) and (iii)			
Which of the following statement is/are correct about Total station?						
(i)	(i) The modern versions of survey total station called robotic total station.					
(ii)	The EMD system minimizes some of the horizontal and vertical angle errors occurred normally in conventional.					
(iii)	ii) Various atmosphere corrections, geodetic corrections, and elevation factors can be input and applied.					
(A)	Only (i) and (ii)	(B)	Only (i) and (iii)			
(C)	All of these above (i), (ii) and (iii)	(D)	Only (ii) and (iii)			
Which of	the following is/are wrong statement a	about pi	rism in total station survey?			
(i)	(i) The quality of the prism is determined by the flatness of the surface and the perpendicularity of the 45° surface.					
(ii)	(ii) Prisms are used with electro-optical EDM instruments to reflect the transmitted signal.					
(iii)	Prisms have the property of reflecting	ng rays	back precisely in the same direction.			
(A)	Only (i)	(B)	Only (ii)			
(C)	Only (iii)	(D)	Only (i), (ii)			
	(A) (C)  Which of (i) (iii) (A) (C)  Which of (i) (iii) (A) (C)  Which of (i) (iii) (iii) (iii) (iii) (iii) (iii) (A) (C)	(A) 660 bags (C) 1155 bags  Which of the following statement is/are correct (i) Quick setting of the instrument on t (ii) Their use provides hard copies of fix while surveying. (iii) Greater accuracy in area computation (A) Only (i) and (ii) (C) All of these above (i), (ii) and (iii)  Which of the following statement is/are wrong at the following statement of distance. (ii) Capable of measuring long distance. (iii) Accuracy is not affected by atmosph. (A) Only (i) (C) Only (iii)  Which of the following statement is/are correct (i) The modern versions of survey total. (ii) The EMD system minimizes some occurred normally in conventional. (iii) Various atmosphere corrections, geninput and applied. (A) Only (i) and (ii) (C) All of these above (i), (ii) and (iii)  Which of the following is/are wrong statement and applied. (ii) The quality of the prism is determined by the following is/are wrong statement and the following is/are wrong statement and applied. (iii) Prisms are used with electro-optical signal. (iiii) Prisms have the property of reflecting. (A) Only (i)	(A) 660 bags (C) 1155 bags (D)  Which of the following statement is/are correct about T (i) Quick setting of the instrument on the tripol (ii) Their use provides hard copies of field nots while surveying. (iii) Greater accuracy in area computation. (A) Only (i) and (ii) (B) (C) All of these above (i), (ii) and (iii) (D)  Which of the following statement is/are wrong about E (i) Precise measurement of distance. (ii) Capable of measuring long distances. (iii) Accuracy is not affected by atmospheric con (A) Only (i) (B) (C) Only (iii) (D)  Which of the following statement is/are correct about T (i) The modern versions of survey total station (ii) The EMD system minimizes some of the occurred normally in conventional. (iii) Various atmosphere corrections, geodetic comput and applied. (A) Only (i) and (ii) (B) (C) All of these above (i), (ii) and (iii) (D)  Which of the following is/are wrong statement about prependicularity of the 45° surface. (ii) Prisms are used with electro-optical EDM signal. (iii) Prisms have the property of reflecting rays (A) Only (i) (B)			

<b>80.</b>	Which of the following statement is/are wrong about good practice in Total station?							
	(i)	(i) Never mix prism types and brands on same project.						
	(ii)	Calibrate the instrument regularly.						
	(iii)	Set the electronic signal pred	cisely on the pr	ism center.				
	(A)	Only (i) and (ii)	(B)	None of the above (i), (ii) and (iii)				
	(C)	Only (ii) and (iii)	(D)	All of these above (i), (ii) and (iii)				
81.	Which of	the following statement is/are	correct about T	otal station survey instrument?				
	(i) Total stations are dependant on batteries and electronics.							
	(ii)	The LCD screen does not wo	rk well when it	is cold.				
	(iii)	Total stations are ideal for co	ollecting large i	numbers of points.				
	(A)	Only (i)	(B)	Only (ii)				
	(C)	Only (iii)	(D)	All of these above (i), (ii) and (iii)				
82.	Which of	the following statement is corn	rect?					
	(i)	(i) Sum of interior angles of a pentagon is $720^{\circ}$						
	(ii)	Sum of interior angles of a Heptagon is 900°						
	(iii)	i) Sum of interior angles of a Quadrilateral is 540°						
	(A)	Only (i)	(B)	Only (ii)				
	(C)	Only (iii)	(D)	All of these above (i), (ii) and (iii)				
83.	The sequence of various engineering surveys which are carryout for the choice of a new highway project from beginning are:							
	(i)	Location survey						
	(ii)	Preliminary survey						
	(iii)	Reconnaissance survey						
	(A)	(i), (ii) and (iii)	(B)	(i), (iii) and (ii)				
	(C)	(ii), (iii) and (i)	(D)	(iii), (ii) and (i)				
84.	The Golde	en Quadrilateral project conne	ects:					
	(A)	Srinagar to Kanyakumari						
	(B)	Delhi, Mumbai, Chennai and	d Kolkata					
	(C)	Porbandar (Gujarat) to Silch	ar (Assam)					
	(D)	(D) Punjab to Kolkata						

85.	Which of the following statement is/are correct about the methods of solving the three points problem in plane table survey?					
	(i)	By mechanical method				
	(ii)	By Bessel's method				
	(iii)	By direct observation method				
	(A)	Only (i) and (ii)	(B)	Only (i) and (iii)		
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (ii) and (iii)		
86.	Which of the following statement is/are correct about the Road way width as per recommendations of I.R.C.?					
	(i)	National and State Highway is 12.0 m				
	(ii)	Major District Roads is 10.0 m				
	(iii)	Other district roads is 8.0 m				
	(A)	Only (i) and (ii)	(B)	Only (i) and (iii)		
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (ii) and (iii)		
87.	Which of the following statement is/are correct about AutoCAD Toggle drawing modes?					
	(i)	F7-Toggle grid mode.				
	(ii)	F8-Toggle polar mode.				
	(iii)	F9-Toggle snap mode.				
	(A)	Only (i) and (ii)	(B)	Only (ii) and (iii)		
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (i) and (iii)		
88.	Which of the following statement is/are correct about AutoCAD?					
	(i)	(i) OOPS command reinserts the last erased objects even if it was not the last command issued.				
	(ii)	PEDIT command edits polylines and 3D polygon meshes.				
	(iii)	QVLAYOUT command displays preview images of model spaces and layouts in a drawing.				
	(A)	Only (i) and (ii)	(B)	Only (ii) and (iii)		
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (i) and (iii)		

<b>89.</b>	Which of the following statement is correct about Max. Road Gradient?					
	(i)	Plain or rolling is 1 in 20				
	(ii)	Mountainous and steep terrain with elevation upto $3000 \text{ m}$ is $1 \text{ in } 25$				
	(iii)	Elevation more than $3000~\mathrm{m}$ is $1~\mathrm{in}$	30			
	(A)	Only (i)	(B)	Only (ii)		
	(C)	Both (A) and (B)	(D)	Only (iii)		
90.	Which is the sequence of reconnaissance survey to be conducted for a project from the given statements?					
	(i)	Aerial reconnaissance				
	(ii)	Study of topographical survey sheets				
	(iii)	Ground reconnaissance				
	(A)	(i), (ii) and (iii)	(B)	(i), (iii) and (ii)		
	(C)	(ii), (iii) and (i)	(D)	(ii), (i) and (iii)		
91.	Which of the following type of error when occurred while reading a levelling staff against the top or bottom hair instead of central hair?					
	(i)	Instrumental Error				
	(ii)	Errors in manipulation				
	(iii)	Errors in reading staff				
	(A)	Only (i)	(B)	Only (ii)		
	(C)	Only (iii)	(D)	Both (A) and (B)		
92.	Which of the following statement is/are correct about the uses of contour maps?					
	(i)	(i) To compute quantity of earth work required for a road project.				
	(ii)	(ii) To draw longitudinal section and cross section to ascertain the nature of the ground in any desired direction.				
	(iii)	To determine the capacity of the reservoirs.				
	(A)	Only (i) and (ii)	(B)	Only (ii) and (iii)		
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (i) and (iii)		

	(i)	Ground Positioning System			
	(ii)	Global Positioning System			
	(iii)	Geodetic Polar System			
	(iv)	Geodetic Positioning System			
	(A)	Only (i)	(B)	Only (ii)	
	(C)	Only (iii)	(D)	Only (iv)	
94.	Which of t	the following is/are the advantages of	GPS su	irvey?	
	(i)	Three dimensional			
	(ii)	Site inter visibility not needed			
	(iii)	Rapid data processing with quality c	ontrol		
	(iv)	Very few skilled personnel needed.			
	(A)	Only (i) and (ii)	(B)	Only (ii) and (iii)	
	(C)	Only (i) and (iii)	(D)	All of these above (i), (ii), (iii) and (iv)	
95.	Which of t	the following statement is/are correct?			
	(i)	The coordinate systems used in GPS	naviga	ation are DMS, DDM and UTM	
	(ii)	The minimum Segments to the GPS	system	are Space, Orbit and User	
	(iii)	i) It is not possible to track the position of a receiver using GPS satellites.			
	(A)	Only (i) and (ii)	(B)	Only (i) and (iii)	
	(C)	All of these above (i), (ii) and (iii)	(D)	Only (ii) and (iii)	
96.	Which of t	the following statement is/are wrong a	bout G	PS?	
	(i) The GPS itself does not require an internet connection.				
	(ii)	GPS receivers do not transmit any information.			
(iii) Three GPS satellite signals are used to compute the position i and time offset in the receiver clock.				mpute the position in three dimension	
	(A)	Only (i)	(B)	Only (ii)	
	(C)	Only (iii)	(D)	All of these above (i), (ii) and (iii)	

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097/2022

[P.T.O.]

**93.** Choose the correct full form of GPS:

 $\mathbf{A}$ 

<b>97</b> .	Which of the following statement is/are correct?					
	(i)	GPS is a satellite-based navigation system.				
	(ii)	Triangulation is the basis of GPS from satellites.				
	(iii)	In GPS the minimum of 24 operational satellites.	onstellation to	0	meet the objectives of the DOD is	
	(A)	Only (i)	(B	3)	Only (ii)	
	(C)	Only (iii)	(D	))	All of these above (i), (ii) and (iii)	
98.	Which of the following statement is/are correct about GPS?					
	(i)	MoBIC is an application of GPS for visually impaired.				
	(ii)	Drishti is an application of GPS in agriculture.				
	(iii)	The principal behind GPS is the measurement of distance between the receiver and the satellites				
	(A)	Only (i) and (ii)	(B	3)	Only (ii) and (iii)	
	(C)	Only (i) and (iii)	(D	))	All of these above (i), (ii) and (iii)	
99.	Which of the following is/are incorrect statement?					
	(i)	GPS can be used for the prescription of telemedicine.				
	(ii)	GPS can be used in the ground to get satellite images.				
	(iii)	GPS has developed into cost effective tool for updating GIS or CAD system.				
	(A)	Only (i)	(B	3)	Only (ii)	
	(C)	Only (iii)	(D	))	Only (i), (iii)	
100.	. Which of the following are the components of GPS receiver?					
	(i)	Antennas with preamplifier.				
	(ii)	RF section with signal identification and signal processing.				
	(iii)	Microprocessor for receiver control data sampling, data processing.				
	(iv)	User interface, command and display panel.				
	(A)	Only (i) and (ii)	(B	3)	Only (ii) and (iii)	
	(C)	Only (i) and (iii)	(D	))	All of these above (i), (ii), (iii) and (iv)	

## SPACE FOR ROUGH WORK

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