

SUB: M.Plan

Time: 1 Hour 30 minutes

**Instructions:**

1. Ensure that all pages are printed.
2. Use Black ball pen only
3. Change in option is not allowed
4. There is no negative marking
5. Use of non-programmable scientific calculator is allowed

	<b><u>Read the following the paragraph and attempt Que 1. To 5 with correct option.</u></b>			
	<p>OTT is a renowned media platform that has rapidly become popular among all generations of viewers. OTT is an abbreviation for over-the-top media platforms. OTT brought a paradigm shift to the entertainment industry. In India, there are renowned OTT Platforms like Netflix, Amazon Prime, Disney Hotstar, etc. Just like Video Streaming Platforms, Audio Streaming apps also paved the way toward a new revolution in the music industry. Ganna, Jio Savan, Wynk, and Spotify are popular audio streaming platforms among students. From the 1950s, magnetic tape video recording became a major contributor to the television industry, via the first commercialized video tape recorders. Tape Recorder, Walkman, radio, VCR, Lazer Disk, Cable Disk ruled till the end of 90s. In the 2000s, Entertainment Media shifted to CD, DVD, and MP3 Players but piracy nailed these formats and harmed the entertainment industry. Pirated CDs, DVDs, and MP3s were quickly sold in the grey market. With the arrival of the Internet and Broadband, this pirated business shifted to downloading and torrenting but piracy remained a major issue for the entertainment industry. Now a days, Saregaman Carvaan is an old dish of retro songs in a new flavor. Bluetooth Speakers, Earbuds, and Smart Speakers like Alexa and Google Mini are dominating the music industry world. With the arrival of OTT Platforms, entertainment became easily available with a click at affordable prices. In 2016, Jio was launched and it brought a paradigm shift in the internet market. The availability of cheap Internet pushed the popularity of the OTT Platform. This resulted in the decline of the pirated market. There is no censorship in the OTT Platform and this liberty is misused in some web series in the name of liberty and realism. During Covid - 19 pandemic, when all the theatres were closed down, OTT was the only available platform for entertainment. Some of the popular web series in India are Special OPS, Gullak, Arya, Panchyat, Money Heist and Kota Factory .However Youtube is one the largest video platform with maximum viewers worldwide.</p>			
1.	Find suitable word for “a fundamental change in approach” in paragraph.			
	A	Nailed	B	Paradigm Shift
	C	Abbreviation	D	Decline

2.	Which among the following is not an only audio streaming platform ?			
	A	Gaana	B	Jio Savan
	C	Netflix	D	Wynk
3.	Which among the following is not video streaming platform?			
	A	Netflix	B	Amazon Prime
	C	Disney Hotstar	D	Saregama Carvaan
4.	What is the full form of OTT ?			
	A	over-the-top	B	on-the-top
	C	over-task-top	D	over-the-tape
5.	What is the drawback of OTT Platform?			
	A	There is no censorship.	B	It is not easily available.
	C	It is illegal and pirated.	D	It uses downloading and torrenting.
6.	Give correct synonym for the word: Avaricious			
	A	Satisfied	B	Sorrow
	C	Greedy	D	Rivalry
7.	Give correct synonym for the word: Cite			
	A	Sight	B	Quote
	C	Scene	D	Place
8.	Give correct antonym for the word: Confess			
	A	Admit	B	Avow
	C	Proposal	D	Deny
9.	Give correct antonym for the word: Extravagant			
	A	Vegetarian	B	Non-Vegetarian
	C	Economical	D	Lavishness
10.	If I had purchased Alexa Speaker, I _____ to a song of my choice.			
	A	will listen	B	had listened

	C	would have listened	D	would listen
11.	If Indian Cricket Team _____ this match, they will enter in the final.			
	A	won	B	wins
	C	had won	D	will win
12.	Select Correct Logical Sequence of Words :1. Tree 2. Bed 3. Wood 4. Plant 5. Seed			
	A	4,5,2,3,1	B	5,4,3,1,2
	C	1,3,2,4,5	D	5,4,1,3,2
13.	He is _____ N.C.C Cadet.			
	A	the	B	an
	C	a	D	None of the Above
14.	When ____ Titanic was crossing ____ Atlantic, it struck an iceberg.			
	A	a, an	B	the, an
	C	the, the	D	an, the
15.	The famous actor and musician _____ coming to Ahmedabad.			
	A	is	B	are
	C	had	D	were
16.	Every man, woman and child _____ vaccinated.			
	A	was	B	were
	C	has	D	are
17.	Choose the correct option - Pursuit : Goal			
	A	Voyage : Destination	B	Treatment : Death
	C	Motivation : Failure	D	Study : Fail
18.	Choose the correct option – Acknowledge: Deny, Build:			
	A	Construct	B	Arrogant
	C	Apartment	D	Demolish

19.	Arrange the sentence - a : some duplication b : in my research script, c : there has been d : it appears that			
	A	d, b, c, a	B	d, c, a, b
	C	a, d, b, c	D	d, c, b, a
20.	He has no other motive <u>but</u> to help his friend in distress.(Replace the underlined word with the correct word).			
	A	except	B	otherwise
	C	than	D	no improvement
21.	Ice ____ above 0 <sup>0</sup> C.			
	A	melt	B	melts
	C	melting	D	melted
22.	When we reached the theatre, the play ____ already ____.			
	A	was, begun	B	shall, begun
	C	is, begin	D	had, begun
23.	“To rise like a phoenix” means _____			
	A	To lose temper	B	To rise from defeat
	C	To be alert	D	Behave like a Phoenician
24.	Give antonym of: Perpetual			
	A	Temporary	B	Permanent
	C	Imprudent	D	Irritant
25.	Give Synonym of : Posthumous			
	A	Premature	B	Orphan
	C	Before death	D	After death
26.	If $f(0) = 0, f(1) = 6, f(2) = 24, f(3) = 60$ then $f(4) =$ _____.			
	A	24	B	120
	C	100	D	75
27.	Look at the sequence of numbers: 0, 2, 6, 12, 20 ... What number should come next?			
	A	30	B	37
	C	50	D	66

28.	For the sequence of numbers: 14, 41, 11, 52, 8, 55, $x$ , 58, 2, 61. What value should $x$ have?			
	A	3	B	7
	C	4	D	5
29.	Which of the following words does not belong with the others?			
	A	Chapter	B	Glossary
	C	Book	D	Index
30.	Here are some words translated from an artificial language.  hamazim means tall building.  zimrago means tall boy  doprago means thin boy  Which word could mean “thin girl”?			
	A	zimhama	B	sumadop
	C	hamarago	D	sumazim
31.	Speedometer is to speed as Compass is to _____.			
	A	Mileage	B	Direction
	C	Needle	D	Hiking
32.	Identify the odd one from the followings.			
	A	Punctuation	B	Noun
	C	Adverb	D	Preposition
33.	Arrange the words given below in a meaningful sequence. 1.Stem, 2.Flower, 3.Branch, 4.Fruit, 5.Root			
	A	5,1,2,4,3	B	1,2,3,4,5
	C	4,2,3,5,1	D	5,1,3,2,4
34.	Meena said to me, “That boy playing chess is the elder of the two brothers of the daughter of my father’s wife”. How is the boy playing chess related to Meena?			
	A	Son	B	Sister
	C	Brother	D	Cousin
35.	If A is brother of B, B is the son of C, C is the wife of D and A is the son of D. How C is related to A?			
	A	Father	B	Mother

	C	Aunt	D	Maternal Aunt									
36.	Pediatrics is to Child as Gerontology is to _____.												
	A	Young age	B	Eye									
	C	Teeth	D	Old age									
37.	Statement: Some dogs are cats and all cats are rabbits. Conclusions: I. Some rabbits are dogs. II. Some dogs are rabbits.												
	A	Only conclusion I follows.	B	Only conclusion II follows.									
	C	Either conclusion I or II follows.	D	Both the conclusions I and II follow.									
38.	Fill the blank: DOO, FOP, HPP, JPQ, _____, NQR.												
	A	LQQ	B	KQQ									
	C	LQR	D	KQR									
39.	Statements: (I)     The aim of a governing body of a city is to get the air pollution reduced by at least 10% in the next two months. (II)    The number of patients having asthma in the city is continuously increasing.												
	A	I is the cause and II is its effect	B	II is the cause and I is its effect									
	C	Both I and II are independent causes	D	Both I and II are effects of independent causes.									
40.	What is found necessarily in the news paper?												
	A	Story	B	Advertisement									
	C	Editor	D	News									
41.	Which one replaces the question mark?												
	<table><tr><td>A-2</td><td>D-4</td><td>G-10</td></tr><tr><td>J-3</td><td>M-5</td><td>?</td></tr><tr><td>S-5</td><td>V-9</td><td>Y-15</td></tr></table>				A-2	D-4	G-10	J-3	M-5	?	S-5	V-9	Y-15
	A-2	D-4	G-10										
	J-3	M-5	?										
	S-5	V-9	Y-15										
A	Q-15	B	N-5										
C	P-5	D	P-9										
42.	Fill the blank: ZA5, Y4B, XC6, W3D, _____, U2F, TG8, S1H.												
	A	VE2	B	VE7									

	C	V7E	D	VF7
43.	If Raju is 4 years older than Mohan and 4 years younger than Kiran, while Mohan and Sohan are twins. How many years older is Kiran than Sohan?			
	A	8	B	6
	C	4	D	12
44.	<p>Ram started walking from his home and walked 10 km towards South, then turned right and walked 5 km and then again turned right and walked 10 km. After this he turned left and walked 10 km.</p> <p>How many kilometers and in which direction will Ram have to walk straight to reach his home again?</p>			
	A	5 km towards East	B	5 km towards West
	C	10 km towards North	D	15 km towards East
45.	Choose the word which is different from the group of the others?			
	A	Calendar	B	Date
	C	Month	D	Year
46.	<p>Look at the series: <math>\frac{1}{4}, \frac{1}{2}, 1, 2, 4, \underline{\hspace{1cm}}</math>.</p> <p>What number should come next?</p>			
	A	4	B	5
	C	6	D	8
47.	<p>Fill in the blank by suitable word.</p> <p>Paw : Cat :: Hoof : _____</p>			
	A	Lamb	B	Tiger
	C	Horse	D	Elephant
48.	<p>One morning Ram and Shyam were talking to each other face to face at a crossing. If Ram's shadow was exactly to the right of Shyam.</p> <p>In which direction was Shyam facing?</p>			
	A	North	B	South
	C	East	D	West
49.	What is necessary for a school?			
	A	Test	B	Report Card
	C	Students	D	Learning
50.	<p>Statements: (I) Robin is older than Rohan.</p> <p>(II) Piter is older than Robin.</p> <p>(III) Rohan is older than Piter.</p> <p>If statements (I) and (II) are true then the statement (III) is _____.</p>			
	A	True	B	False

	C	Uncertain	D	None of the above
51	Scientists from Harvard Medical School, USA and Centre for Cellular and Molecular Biology (CSIR) examined the ancient human remains found at Indus Valley Civilization sites in India that specifically disproved which of the age-old social science theory?			
	A	Racial Science	B	Aryan Invasion Theory
	C	Indo-European Language Family	D	East to West Migration Theory
52	Who is the present Chairman of Indian Space Research Organization (ISRO)?			
	A	S Somanath	B	K Sivan
	C	A S Kiran Kumar	D	Madhavan Nair
53	Who is the current Education Minister of India?			
	A	Smriti Irani	B	Ramesh Pokhriyal
	C	Dharmendra Pradhan	D	Prakash Javadekar
54	The strategic partnership of Quad Countries includes India, America, Australia and .....			
	A	France	B	Japan
	C	Germany	D	Taiwan
55	Which Indian State was the first to ban monetary transactions for online gaming/gambling?			
	A	Andhra Pradesh	B	Tamil Nadu
	C	Sikkim	D	Telangana
56	Following the first Freedom Struggle of 1857, East India Company handed over Indian rule to British Government which also meant replacing the post of Governor-General with the representative of the British Crown. Which of the following was it?			
	A	Earl	B	Viscount
	C	Viceroy	D	Lord Magistrate
57	Who was the first Superintendent of the Great Trigonometrical Survey of India?			
	A	William Lambton	B	Sir George Everest
	C	Nain Singh	D	Andrew Scott Waugh
58	The noted king MihiraBhoja hailed from the dynasty of .....			
	A	Rashtrakuta of Gujarat	B	GurjaraPratihara
	C	Pala Empire	D	Chola



59	Which formidable empire of the 16 <sup>th</sup> Century was ruled by Krishnadevaray, who is remembered as one of the greatest emperors in Indian history?			
	A	Purushpura (present day Peshawar)	B	Pataliputra
	C	Assam	D	Vijayanagara
60	India's first passenger train ran on April 16, 1853. Which were its stations?			
	A	Bombay Bori Bunder to Thane	B	Calcutta to Delhi
	C	Madras to Bombay	D	Bombay to Baroda
61	Latest discovery of petroglyphs (rock-carvings) dating 10000 BCE in Ratnagiri and Rajapura are located in .....			
	A	Ganga-Yamuna Doab	B	Ghaggar-Hakra River Basin
	C	Madhya Pradesh	D	Western coasts of Maharashtra
62	Which mountain range spreads across North-West of India?			
	A	Vindhya Range	B	The Himalayas
	C	Aravalli Range	D	Purvanchal Range
63	Which district singularly covers 27.23 % of the total geographical area of Gujarat?			
	A	Ahmedabad	B	Somanath
	C	Rajkot	D	Kachchh
64	How long is the western coastline of Gujarat?			
	A	1600 Kms	B	1526 Kms
	C	1456 Kms	D	1357 Kms
65	World's largest single rock-cut temple Kailasa is situated in?			
	A	Amarkantak, Madhya Pradesh	B	Kangra, Himachal Pradesh
	C	Aurangabad, Maharashtra	D	Srisailam, Andhra Pradesh
66	Einstein's Special Theory of Relativity came out in .....			
	A	1905	B	1910
	C	1915	D	1920
67	For contributing significantly to Game Theory and Differential Geometry, a mathematician received Nobel Memorial Prize in Economic Science and whose life-story is captured in a book and a biopic called <i>A Beautiful Mind</i> . Who was that genius?			
	A	Reinhard Selten	B	Friedrich Hayek
	C	John von Neumann	D	John Forbes Nash
68	Where is Large Hadron Collider (LHC), world's largest particle physics laboratory, built by C.E.R.N?			
	A	Italy	B	Germany

	C	Switzerland	D	England
69	Which Covid-19 vaccine is manufactured by Bharat Biotech?			
	A	Covaxin	B	Covishield
	C	Sputnik-V	D	ZyCoV-D
70	Mycology is the scientific study of .....			
	A	Bacteria	B	Crystals
	C	Fungi	D	Structure of Cells
71	<i>Raag-Darbari</i> , a famous acerbic Hindi novel that won Sahitya Akademi Award in 1969, was written by.....			
	A	Sri Lal Shukla	B	Manu Bhandari
	C	Alka Saraogi	D	Uday Prakash
72	Oral folk-epics namely <i>Rom-SitmaVarata</i> (folk Ramayana), <i>Bharath</i> (folk Mahabharata), and <i>RathorVarata</i> are unique textual-performative repertoires in India. To which of the following ethnic community they belong?			
	A	Gonds in Madhya Pradesh and Maharashtra	B	Mundas in Madhya Pradesh
	C	Gujjaras in Rajasthan	D	Bhils of Gujarat
73	Which of the following work is considered to be the first work in human history on grammar, meta-rules for linguistics and philosophy of language?			
	A	Yoga-Sutra Bhasya	B	Halayudha-Kosha
	C	Ashtadhyayi	D	Tholkappiyam
74	The first series novel in Indian English Writing <i>Swami and Friends</i> was written by .....			
	A	Mulk Raj Anand	B	R. K. Narayan
	C	Raja Rao	D	Rabindranath Tagore
75	<i>Nalakhyana</i> , <i>Sudama-charita</i> , <i>Okha-harana</i> , <i>Dashamskandha</i> among others are famous Gujarati narrative poems in <i>akhyana</i> mode that were composed by .....			
	A	Shamal	B	Narsinh Mehta
	C	Kavi Narmad	D	Premanand
76	National Smart Cities Mission is focused on the following			
	A	Rural areas	B	New Cities
	C	Existing Cities	D	None of the above
77	The Sustainable Development Goals were framed by			
	A	United Nations	B	Asian Development Bank

	C	World Bank	D	UNICEF
78	At national level, the concerned ministry mandated to address all urban affairs is known as			
	A	Ministry of Urban Planning	B	Ministry of Housing and Urban Affairs
	C	Ministry of Urban Development	D	Ministry of Housing Affairs
79	Urban rivers are polluted due to discharge of the following			
	A	Domestic sewage	B	Surface run-off
	C	Industrial effluents	D	All of the above
80	Full form of NITI Aayog is			
	A	National Institute for Transmitting India	B	National Institution for Transforming India
	C	National Institute for Transforming India	D	None of the above
81.	Climate change is caused by the following			
	A	Emission of CO <sub>2</sub>	B	Emission of methane
	C	Emission of nitrous oxide	D	All of the above
82.	Storm water management is focused on the management of			
	A	Rainfall	B	Sewage
	C	Industrial Effluents	D	All of the above
83.	'Har Ghar Jal' is a slogan under the following Mission			
	A	Smart City Mission	B	AMRUT
	C	Jal Jeevan Mission	D	Swachh Bharat Mission
84.	The population of a settlement in 2011 is 1000. The water is supplied at a rate of 150 lpcd. If the decadal population growth rate is 25%, then water needs to be supplied in 2021 in MLD is			
	A	1.9	B	0.19
	C	9.1	D	90.1
85.	In India, as per Census 2011, the urban population is more than the rural population			
	A	True	B	False

	C	Not known	D	None of the above
86.	Urbanisation usually results into increase in flooding frequency because of			
	A	Decrease in run-offs	B	Increase in run-offs
	C	Increase in rainfall	D	Increase in water consumption
87.	The water flows from an overhead tank in a building to any tap/outlet via gravity.			
	A	True	B	False
	C	Irrelevant	D	None of the above
88.	Solid waste management in urban areas is an obligatory function of the following			
	A	Local body	B	State government
	C	Central government	D	None of the above
89.	In the constitution of India, it is the fundamental duty of all citizens to protect the natural environment and have compassion for all living beings			
	A	True	B	False
	C	Not mentioned	D	None of the above
90.	Drinking water is known as			
	A	Ground water	B	Potable water
	C	Surface water	D	Storm water
91.	Which of the following disease can happen by drinking contaminated water			
	A	Cholera	B	Dengue
	C	Malaria	D	Pneumonia
92.	Indian cities in general are facing parking issues			
	A	True	B	False
	C	Not relevant	D	None of the above
93.	Water supply system includes			
	A	Digging a well for water	B	Construction of canals
	C	Construction of dams	D	Entire system from source to distribution
94.	Slum is characterized by the following			
	A	High density	B	Poor housing quality
	C	Lack of basic infrastructure	D	All of the above
95.	BRTS stands for			

	A	Bus Rapid Transport System	B	Raised Bus Transport System
	C	Bylane Road Transport System	D	None of the above
96.	Urban Plans in Gujarat are prepared under the following Act			
	A	Gujarat Town Planning and Urban Development Act	B	Environment Protection act
	C	Air Act	D	Both A and B
97.	Renewable Energy covers the following			
	A	Solar energy	B	Wind Energy
	C	Energy from Biomass	D	All of the above
98.	Urban greens are important as they perform following function			
	A	Sequester CO <sub>2</sub> emissions	B	Provide thermal comfort
	C	Prevent soil erosion	D	All of the above
99.	FSI (Floor Space Index) is the ratio of plot area to built-up area			
	A	True	B	False
	C	Not defined	D	None of the above
100.	Gross population density is the number of individuals living per unit of area			
	A	True	B	False
	C	Not defined	D	None of the above