INDIAN INSTITUTE OF TECHNOLOGY OF TIRUPATI STAFF RECRUITMENT 2020 2019

OBJECTIVE TEST

DATE: 5 TH JANUARY 2020	DURATION: 120 MINUTES	TOTAL MARKS: 90
POSTAPPLIED FOR	ADMIT CARD NUMBER (LAST FOUR DIGITS ONLY)	DEPARTMENT
JS (JUNIOR SUPERINTENDENT)		ADMINISTRATION

INSTRUCTIONS

Please read the following instructions carefully:

- Write and mark carefully THE LAST FOUR DIGITS OF YOUR Admit Card number, Post applied for, and Department Codes on the OMR Answer Sheet and sign at the appropriate place. In the absence of Admit Card Numberand Signature on the OMR Answer Sheet, it may NOT be evaluated and it may be cancelled.
- 2. Strictly follow the instructions given by the Room Invigilator and instructions given on the Question Booklet.
- 3. Candidates are NOT allowed to carry any Papers, Notes, Books, Cellular phones, Scanning devices, Pagers etc. to the Examination Hall. Any candidate found using or in possession of such unauthorized material or involved in copying or impersonation or adopting unfair means or behaviors will be disqualified and may be subjected to penal action.
- 4. The examination is of objective type. All questions are compulsory. There is no negative mark for wrong answer.
- 5. The candidate must check that the Question Booklet has 90 objective questions with multiple choice answers. If any discrepancy is found, report to the Invigilator immediately, so that the Question Booklet may be replaced.
- Each objective question is followed by four answers in which one is correct. Your task is to choose
 the correct answer and mark your Answer on the OMR Answer Sheet, NOT on the Question Booklet.
- 7. Completely darken the CIRCLE so that the alphabet inside the CIRCLE is NOT visible. Darken only one circle for each answer. The CORRECT and the WRONG method of darkening the CIRCLE on the OMR answer sheet are given in the example below:

CORRECT METHOD

WRONG METHOD





- 8. Use blue/black ink ball point pen for darkening the circles on the OMR Answer Sheet. Do NOT use pencil.
- Folding / wrinkling or putting any unwanted mark or damaging the OMR Answer sheet is prohibited.
 The candidate will be responsible for invalidation of the OMR Answer sheet for doing such deeds.
- 10. Use the space provided for Rough Work in the Question Booklet.
- 11. The OMR Answer sheet and Question Booklet will have to be submitted to the Invigilator after the examination.

SE/

1.	The least number which should be added to 28523 so that the sum is exactly divisible by 3, 5, 7 and 8 is						
	A.	41	B.	42			
	C.	32	D.	37			
2.	The	e product of two numbers is	2028 and their H	ICF is 13. What are the number of such pairs?			
	A.	4	В.	3			
	C.	2	D.	1			
3.		bells start ringing togeth		intervals of 4, 8, 10, 12, 15 and 20 seconds gether in 60 minutes ?			
	A.	31	B.	15			
	C.	16	D.	30			
4.				tio of 5:4 respectively. Three years hence, the . What is Syam's present age in years?			
	A.	28	B.	27			
	C.	26	D. ,	24			
5.	whi	le my mother was 26 years	of age when I w	was 28 years of age when my sister was born as born. If my sister was 4 years of age when f my father when my brother was born?			
	A.	35 years	B.	34 years			
	C.	33 years	D.	32 years			
6.		s younger than B but older at is definitely the sum of th		difference of the ages of B and C is 10 years, d B?			
	A.	Data inadequate	B.	50 years			
	C.	45 years	Ď.	None of the above			
7.		owel, when bleached, lost 20 rease in area?	% of its length a	and 10% of its breadth. What is the percentage			
	A.	30%	B.	28%			
	C.	32%	D.	26%			
8.		breadth of a rectangular fiether area of the field.	ld is 60% of its le	ngth. If the perimeter of the field is 800 m, find			
	A.	$37500 \mathrm{m}^2$	B.	$30500 {\rm m}^2$			
	C.	32500 m^2	D.	$40000 \ \mathrm{m}^2$			
9.		erson walked diagonally acrowalking along the edges?	ss a square plot.	Approximately, what was the percent saved by			
	A.	40%	В.	30%			
	C.	20%	D.	25%			
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	the	least number of square tiles required	d to cov	ver the floor?
	A.	176	B.	124
	C.	224	D.	186
11.	{(48	$1 + 426)^2 - 4 \times 481 \times 426$ = ?		
	A.	3025	B.	4200
	C.	3060	D.	3210
12.	Wha	at is the unit digit in (525) ³¹⁶ ×(6324)	1797×(34	1)476?
	A.	1	B.	2
	C.	4	D.	0
13.	(619	×619+447×447+619×447) / (619×619×	619-44′	7×447×447)=?
	A.	1/172	B.	25/133
	C.	1/1066	D.	5/6
14.	[1-	0.01]+[1-0.02]+[1-0.03]+···+[1-	-0.99]	=?
	A.	99	B.	44.5
	C.	49.5	D.	50
15.		sum between a positive fraction and fraction and its reciprocal.	its red	ciprocal is 41/20. Find the absolute difference of
	A.	41/20	B.	17/20
	C.	11/20	D.	9/20
16.	as r toge	nany as E has and if I give you thre	ee card D and	to B, "If you give me three cards, you will have ls, you will have as many as D has." A and B E together have. If B has two cards more than 133, how many cards does B have?
	A.	22	B.	23
	C.	25	D.	35
17.	sim	ole interest rate of 14% p.a. and 11%	per an	livided in two different schemes A and B at the num respectively. If the total amount of simple as the amount invested in Scheme B?
	A.	Rs. 6400	B.	Rs. 7200
	C.	Rs. 6500	D.	Rs. 7500
18.		difference between simple and componency for 2 years at 4% per annum		nterests compounded annually on a certain sum 1. The sum is:
	A.	Rs. 600	B.	Rs. 645
	C.	Rs. 525	D.	Rs. 625
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10. A room 5 m 44 cm long and 3 m74 cm broad needs to be paved with square tiles. What will be

19.	There are two buildings P and Q. If 15 persons are sent from P to Q, then the number of persons in each building is the same. If 20 persons are sent from Q to P, then the number of persons in P is double the number of persons in Q. How many persons are there in building P?					
	A.	80		B.	140	
	C.	120		D.	90	
20.						in 14 hours. He finds that he can row st the stream. The rate of the stream is:
	A.	1 km/hr.		В.	2 km/	/hr.
	C.	1.5 km/hr.		D.	2.5 kı	m/hr.
21.			length of 240 met a length of 650		post in 2	4 seconds. How long will it take to pass
	A.	120 seconds		B.	99 sec	conds
	C.	89 seconds		D.	80 sec	conds
22.			r of B and K, D ement is not defi		ner of B	and E is the father of A. Which one of
	A.	B is the bro	ther of K	B.	A is t	the father of K
	C.	A is the son	of D	D.	D is t	the wife of E
23.	35% 25%	is cut away, is chiselled a	in the second we	ek 20% of the last	he remaii	ginal piece of marble, in the first week nder is cut away and in the third week shed statute weighs 97.5kg. What is the
	A.	265 kg		B.	250 kg	g
	C.	255 kg		D.	260 k	g
24.	If T	AXI=8, HALT	=10, WAVE=13,	LINK=9 the	n the va	lue of ALIF is
	A.	12		B.	9	
	C.	10		D.	13	
25.	EL_2	FA, G ₃ LHA, I	LJA ₄ ,, ML	₂ NA		
	A.	K ₁ LLA		В.	$KL_{1}M$	A
	C.	KLL ₁ A		D.	KLMA	A_{1}
26.	7, 2	5, 121,				
	A.	721		В.	289	
	C.	349		D.	625	
27.	9, 2	6,, 124				
	A.	65		В.	64	
	C.	63		D.	66	
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	odd :	number is ———		
	A.	1024	B.	1226
	C.	1456	D.	1676
29.		nis question, a statement is given follow self choose the conclusion which logical		y some conclusions. Without resolving anything llows from the given statement.
		ement: Many business offices are lo ling has more than three floors, it has		in buildings having two to eight floors. If a t.
	A.	Seventh floors have lifts.	В.	Only floors above the third floor have lifts.
	C.	All floors may be reached by lifts.	D.	Second floors do not have lifts.
30.	assu decid	me everything in the statement to be	true, 1	conclusions numbered I and II. You have to then consider the two conclusions together and reasonable doubt from the information given in
		ement: Water supply in wards A and use repairing work of the main lines		he city will be affected by about 50% on Friday be carried out
	Con	clusions:		
	I.	The residents in these wards should	econo	omise on water on Friday.
	II.	The residents in these wards should	store	some water on the previous day.
	A.	Only conclusion I follows	B.	Only conclusion II follows
	C.	Either I or II follows	D.	Both I and II follow
Dire	ection			active/passive voice. Out of the four which best expresses the same sentence
31.	They	will laugh at you.		
	A.	You can be laughed at by them	B.	You may be laughed at by them
	C.	You will be laughed at by them	D.	You will have been laughed at by them
32.	The	most useful training of my career wa	s give	en to me by my boss.
	A.	My boss has been giving me the mo		
	B.	My boss gives me the most useful tr		
	C.	My boss has given me the most use:		
	D.	My boss gave me the most useful tr		
				,
Dire	ection	: Choose the correct alternative to	fill in	the blanks:
33.	Clas	sical music is worth		
	A.	to listen	В.	to listen to
	C.	listening to	D.	none
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28. Four out of the five numbers 1024, 1226, 1456, 1676, 1896 have a common property. Then the

34.	Bha	agat Singh	his life fo	r his m	otherland.		
	A.	lay down		B.	laid down		
	C.	lie down		D.	none		
35.	Nob	ody could have	future	correct	tly.		
	A.	forecast		B.	forecast		
	C.	forecasted		D.	none		
36.	She	is weak	er of the two sist	ers.			
	A.	a	*	B.	the		
	C.	an		D.	no article		
37.	Neit	ther of his arms _	defective.				
	A.	is		B.	are		
	C.	have		D.	has		
38.	It is	not safe place to	*				
	A.	live		B.	live in 🍨		
	C.	live at		D.	living at		
39.	Afte	r the death of his	father the respon	sibility	has devolved	l	him.
	A.	on		B.	at		
	C.	from		D.	none		
40.	In a	ccordance with the	e advice of a doct	or she i	s	diet.	
	A.	on		B.	at		
	C.	off		D.	none		
41.	Cons	sequent upon heav	y loss he is worse	e	these	days.	
	A.	upon		B.	off		
	C.	over		D.	none		
42.	You	cannot expect resp	pect from him bec	ause he	e is lost		sense of shame
	A.	in		B.	to		
	C.	into		D.	none		
43.	Disir	ntegration of the co	ountry is inimical		the	progress	of the people.
	A.	to		B.	for		
	C.	from		D.	none		
44.	The	robbers not only in	njured the landlor	d but a	lso decampe	d	booty.
	A.	with		B.	off		
	C.	about		D.	none		

45.	The scheme of Rozgar Yojna originated		the Prime Minister.
	A. in	B.	with
	C. by	D.	none
46.	For the unity of the country discipline a	mong t	the people is called
	A. forth	В.	for
	C. out	D.	none
4.57	The two friends appear to have fallen		over a minor issue.
47.		В.	out
	A. down C. into	D.	none
Dire	ection: Please choose the correct is sentences.	meani	ng of the idioms given in bold in the
48.	We should guard against our green-eye	d friend	ds.
	A. rich	B.	jealous.
	C. handsome	D.	enthusiastic
			. 8
49.	A movement for the world unity is in the	ne offi	ng.
	A. at the end	B.	about to start
	C. on decline	D.	in the air
50.	He was a king who ruled his subjects w	ith a	high hand.
50.	A. oppressively	В.	kindly
	C. conveniently	D.	sympathetically
-			a aviaia
51.	She exhibited remarkable sangfroid du		
	A. temper	В.	irritation
	C. composure	D.	anger
Dir	ection: Choose the alternative the idiomatic phrase.	at bes	st expresses the meaning of the giver
52.	If you read between the lines, you wi	ill appr	
	A. can read leaving lines in between	B.	know what the writer thinks
	C. can read a lot quicker	D.	can read and write in the language
53.	He left the town under a cloud.		
	A. of his own accord	B.	with a heavy heart
	C. in disgrace	D.	when it was raining
54.	What egged you on to become a social	worke	r?
	A. urged	В.	dampened
	C. hindered	D.	discouraged
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		words/sentence.					
55.	Not	likely to be easily pleased.					
	A.	Fastidious	B.	Infallible			
	C.	Fatalist	D.	Communist			
56.	Αw	vritten declaration made on oath i	n the pres	sence of a magistrate.			
	A.	Document	В.	Affidavit			
	C.	Dossier	, D.	Voucher			
Dire	ectio	n: Choose the word nearest in	meaning t	o the bold part.			
57.	She	is very discreet.					
	A.	mannered	B.	mild			
	C.	proud	D.	prudent			
58.	He	tried to alleviate the sufferings of	of his neig	hbours.			
	A.	abate	B.	dissipate			
	C.	remove	D.	relieve			
Dire	ection	n: Select the word or the ph of the bold word or phrase.	rase whi	ch is nearest to the opposite in meanin			
59.	You are advised to show clemency to the defeated enemy.						
	A.	callousness	B.	mercy			
	C.	leniency	D.	kindness			
60.	Inor	dinate					
	A.	distant	B.	facile			
	C.	moderate	D.	attractive			
61.	The	first Satyagraha campaign of Gar	ndhi was s	started at			
	A.	Bardoli	B.	Baroda			
	C.	Dandi	D.	Champaran			
62.	Wha	at is fog?					
	A.	A cumulonimbus cloud	B.	A cirro stratus cloud			
	C.	An altocumulus cloud	D.	A low stratus cloud			
63.	To w	which group do most of the Indian	belong?				
	A.	Caucasoid	B.	Mongoloid			
	C.	Australoid	D.	Negroid			
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Direction: Choose the alternative which can be substituted for the given

U'£.	maja	sthan receives very home rain because		
	A.	It is too hot		
	В.	The winds do not come across any b	arrier	to cause the necessary uplift to cool the air
	C.	The monsoons fail to reach this area	L	
	D.	There is no water available and thus	s the	winds remain dry
65.	Nati	onal Securities Depository Limited (N	SDL)	deals with
	A.	Debentures	B.	Bearer bonds
	C.	GDRs	D.	Electronic shares
66.			four i	important capabilities focused by the Human
	Deve	elopment Reports of UNDP?		
	A.	To contribute to a safe environment		
	B.	To lead a long and healthy life		
	C.	To be knowledgeable		
	D.	To have access to the resources need	led for	a decent standard of living
67.	Whi	ch of the following operates at the dist	trict l	evel?.
	A.	Primary Agricultural Credit Society		
	B.	The Reserve Bank of India		
	C.	Central Cooperative Bank		e P
	D.	State Cooperative Bank		
68.	Proj	ect GAGAN has been designed to		
	A.	Track the migratory birds and study	their	r pattern of migration
	B.	Provide a dependable aerial defence	syster	n
	C.	Meet the precision approach requires	ments	of the Civil Aviation sector
	D.	Ensure a more reliable meteorologica	al fore	ecast system
69.	Whi	ch of the following states is the larges	t proc	ducer of coffee in India?
	A.	Tamil Nadu	B.	Kerala
	C.	West Bengal	D.	Karnataka
70.	Rub	ella is also known as		
	A.	German measles	B.	Red measles
	C.	Black measles	D.	All the above
71.	Why	y is the sky blue?		
	Α.	All colours interfere to produce blue		
	B.	Atmosphere scatters blue colours mo	ore th	an the others the
	C.	It is actually blue		
	D.	In the white light in the space blue	colou	r dominates
		-	. 500	

72	. A	person of blood group O is sometim	nes called	a universal donor because of
	A.	Lack of antibodies	B.	
	C.	Lack of both antigens and antib	odies D.	3
73	. Riv	ver water is harder than rain water	r becaus	e it
	A.	Is exposed to the atmosphere	В.	Contains salt and magnesium
	C.	Is always flowing	D.	Contains sodium chloride
74.	Wh	no among the following is the first i	recipient	of Bharat Ratna Award
	A.	M. Visvesvaraya	B.	Jawaharlal Nehru
	C.	C. V. Raman	D.	G. B. Pant
75.	Wh	o was the first female Prime Minis	ter in th	ne world?
	A.	Sirimavo Bandaranaike	B.	Golda Meir
	C.	Indira Gandhi	D.	Margaret Thatcher
76.	Dad	la Saheb Phalke Award (2019) is pr	esented	to
	A.	Vinod Khanna	B.	Amitabh Bachchan
	C.	K. Viswanath	D.	Shashi Kapoor
77.	Tall	inn is the capital of which country	?	. *
	A.	Estonia	B.	Belgium
	C.	Lithuania	D.	Romania
78.	Cent	ral Government's prestigious Missic	on Indra	dhanush is related to?
	A.	Children Safety	B.	Cyber Warfare
	C.	Vaccination	D.	None of the above
79.	Natio follow	onal Optical Fiber Network will be ving?	providin	g broadband connectivity to which among th
	A.	Nagarpalikas	B.	Municipalities
	C.	Gram Panchayats	D.	Metro Cities
80.	India	n Culinary Institute is located at		
	A.	Tirupati	B.	Nellore
	C.	Vijayawada	D.	Visakhapatnam
81.	Who	among the following became the fa?	irst Indi	ian bowler to take a hat-trick in Men's T20
	A.	Jasprit Boomrah	B.	Deepak Chahar
	C.	Ravindra Jadeja		Yazvendra Chahal
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82.	Wha	t is the name of India's regional navi	gation	satellite system?
	A.	NavIB	B.	NavIC
	C.	NaviHI	D.	GPS
83.	Whe	n is 'Good Governance Day' observed?		*
	A.	December 25th	В.	December 24th
	C.	December 23 rd	D.	December 22 nd
84.	Who	among the following won Nobel Prize	in E	conomics for the work on poverty alleviation?
	A.	Olga Tokarczuk	B.	Michael Kremer
	C.	Gerty Cori	D.	Elizabeth Blackburn
85.	Who	won Men's singles title in 2019 Wim	bledor	Championship?
	A.	Roger Federer	B.	Ande Murray
	C.	Novak Djokovic	D.	Juan Sebastian
86.	How	many States and Union Territories a	re the	ere in India?
	A.	28 States and 9 Union Territories	B.	29 States and 9 Union Territories
	C.	28 states and 10 Union Territories	D.	27 States and 9 Union Territories
87.	Arti	cle 370 was drafted in the part	0	of the Indian Constitution
	A.	XXI	B.	XXX
	C.	XIX	D.	XII
88.	Who	o is the Chief Minister of Nagaland?		
	A.	Neiphiu Rio	B.	T. R. Zeliang
	C.	Shurhozelie Liezietsu	D.	S. C. Jamir
89.		ich state/Union Territory court of Indi c human right	a has	recently recognised that 'Internet Access' is a
	A.	Delhi	B.	Allahabad
	C.	Bombay	D.	Kerala
90.	$11^{ m th}$	BRICS summit was held in		
	A.	Brazil	B.	Russia
	C.	India	D.	China
