SCREENING TEST FOR ADMISSION TO CLASS XI - 2021

STREAM: COMMERCE WITH MATHS

Time: 21/2 Hrs

Maximum Marks: 320

Name of the Student

Application Number :

INSTRUCTIONS

- 1. Please write the name and application number of the candidate in the column given above.
- 2. This question booklet contains 80 questions. For each question, five answers are suggested and given against A, B, C, D and E of which only one will be the most appropriate answer. Darken the bubble containing the letter corresponding to the most appropriate answer in the OMR sheet, by using **blue or black ball point pen only.** The bubbles should be darkened fully.
- 3. **Negative Marking:** Each correct answer will be awarded four marks. One mark willbe deducted for each wrong answer. More than one answer marked against the questions will not be considered.
- 4. **Return both the answer booklet and the question booklet** to the invigilator at the end of the examination.
- 5. Use of calculators and other electronic devices is not permitted.
- 6. Rough work can be done only in the paper provided in the question booklet.
- 7. Immediately after opening this question booklet, the candidate should verify whether the question booklet issued contains all the 80 questions in serial order. If not, request for replacement.
- 8. Any malpractice or attempt to commit any kind of malpractice in the examination hall will disqualify the candidate.

PLEASE DO NOT OPEN THE SEAL UNTIL THE INVIGILATOR ASK FOR YOU TO DO SO

1.	Ea	ach root of $x^2 - b$	bx + c = 0 is decreased	by 2. The resulting e	quation is x^2 -2x +1 =0, then
	A.	b = 6, c = 9	B. $b = 3$, $c = 5$	C. $b = 2$, $c = -1$	D. $b = -4$, $c = 3$
2.		=	•		ls, 90 seconds and 110 seconds bs flash altogether again?
	A.	9:00 am	B. 9:12 am	C. 10:20 am	D. 10:12 am
3.		ne lengths of the e e rhombus is :	diagonals of a rhombu	ıs are 24cm and 32cı	m. The length of the altitude of
	A.	12 cm	B. 12.8 cm	C. 19 cm	D. 19.2 cm
4.	Th	ne perimeter of th	ne triangle formed by	the points (0,0), (1,0)	and (0,1) is
	A.	$1\pm\sqrt{2}$	B. $\sqrt{2} + 1$	C. 3	D. $2 + \sqrt{2}$
5.	If ·	$\sqrt{3} \cot^2 \theta - 4 \cot \theta$	$9 + \sqrt{3} = 0$, then the value	alue of $\cot^2\theta + \tan^2\theta$	is:
	A.	$\frac{3}{10}$	B. √3	$C.\frac{1}{\sqrt{3}}$	D. $\frac{10}{3}$
6.	If 3	$3x = \sec \theta$ and $\frac{3}{x}$	= $\tan \theta$, then $9\left(x^2 - \frac{1}{x^2}\right)$	is equal to	
	A.	9	B. 1	C. 3	D. $\frac{1}{9}$
7.		he angle of elevat adow.	cion of the Sun is 60°,	then find the ratio of	the height of a tree with its
	A.	$\sqrt{3}:1$	B. 1: √3	C. 3: 1	D. $\sqrt{2}:1$
8.		wo tangents incli ch tangent (in cm		e drawn to a circle of	radius 5cm, then length of
	A.	$\frac{5\sqrt{3}}{2}$	B. 10	C. 3	D. $5\sqrt{3}$
9.	The	e perimeter of a s	sector of a circle of rad	lius 5.7cm is 27.2cm.	Find the area of the sector.
	A.	$45.02 \ cm^2$	B. $46.05 cm^2$	C. $54.4 \ cm^2$	D. $49.08cm^2$
10.			of radius 6 cm subtend egment formed by this		re 60° at the centre. Find the
	A.	$3(2_{\prod} - 3\sqrt{3}) cn$	n^2	B. $3(3 \Pi - \sqrt{3}) cm^2$	
	C. 3	$3(3 \Pi - 2\sqrt{3}) cm^2$:	D. $3(3_{\prod} - 3\sqrt{3}) cm^2$	2
11.	If th	ne total surface a	rea of a solid hemisph	ere is 462cm², find it	s volume.
	A.	$\frac{308}{3}cm^3$	B. $\frac{2156}{3}$ cm ³	C. $\frac{5216}{3}$ cm ³	D. $\frac{8624}{3}$ cm ³
	The	e ratio of the volu	me of a cube to that o	f the sphere which w	ill exactly fit inside the cube

А. 6: П

В. 4: П

С. 2: П

D. 3: П

13.	The LCM of two numbers is 14 times their HCF. The sum of LCM and HCF is 600. If one number is 280, then find the other number.				
	A.	560	B. 40	C. 80	D. 180
14.	Th	e largest number	which divides 70 and	125, leaving remain	der 5 and 8 respectively is:
		65	B. 875	C. 13	D. 1750
15.	If a	lpha and eta are zero	oes of the polynomial	$f(x) = a x^2 + bx + c th$	$en \frac{1}{\alpha^2} + \frac{1}{\beta^2} =$
	A.	$\frac{b^2 - 2ac}{a^2}$	$B.\frac{b^2-2ac}{c^2}$	$C. \frac{b^2 + 2ac}{a^2}$	$D.\frac{2b^2-ac}{a^2}$
16.			ots of the quadratic eq , then the value of k is		x - (k+5) = 0 is equal to the
	A.	2	B. 3	C. 4	D. 5
17.	Wł	nich of the follow	ing numbers is/are ra	tional	
		$\sqrt{\pi^2}$, $\sqrt{0}$.	<u>001</u> , ∜0.0001 <i>6</i> , ∜−	-1	•
	A.	$\sqrt[3]{-1}$	B. $\sqrt{\pi^2}$	C. $\sqrt{0.001}$	D. $\sqrt[4]{0.00016}$
18.	If	$\frac{x}{x} = \frac{2}{3}$ then the v	value of $\frac{4}{5} + \frac{y-x}{y+x}$		
	A.		B. 0	C. 2	D. 5
19.	The exponential form of $\sqrt{\sqrt{2}\sqrt{3}}$ is				
	A.	6 ^{1/2}	B. 6 ^{1/3}	C. 6 ^{1/4}	C. 6 ^{1/5}
20.	If $X = \cos 2^{\circ} \cos 4^{\circ} \cos 6^{\circ}$ $\cos 100^{\circ}$ then X is equal to			ual to	
	A. 1		B. 0	C. $\frac{1}{2}$	D. $\frac{3}{2}$
		ich among the fo ndia?	llowing was the prime	e factor in the emerge	ence of modern Nationalism
	A.	New symbols	B. New ideas	C. Icons	D.Anti colonial movement
22.	. Champaran satyagraha was launched by Gandhiji against				
	A. H	igh revenue demai	nds	B. Indigo planters	
,	C. M	lill owners		D. Salt tax	
23.	Whi	Which one of the following is not true regarding the Jallianwala Bagh incident?			Bagh incident?
,	A.	. It took place on 10 th April 1919			
]	B.	Satyagrahis were	e forced to rub their n	oses on the ground a	nd crawl on the streets.
(C.	Its aim was to create a moral effect on the mind of the Satyagrahis			
]	D.	Its aim was to create a feeling of terror and awe			

24	l. Th	ie famous book b	y Gandhiji (1909)		•	
	A.	My experiment	s with truth	B. Hind Swaraj	er e	
	C.	Discovery of Inc	dia	D. Gitanjali		
25	. Th	e Non-cooperatio	on Khilafat movemen	t began in:		
	A.	March 1921	B. February 1922	C. January 1921	D. December 1921	
26	. Th	e Justice Party of	Madras was formed	by:		
	A.	Judges	B. Muslims	C. Brahmins	D. Non Brahmins	
27	. Wł	no announced the	e vague offer of Domi	nion status for India ir	n 1929?	
		Lord Curzon			tick D. Lord Mountbatten	
28.	. W	Who organized Dalits into Depressed Classes Association?				
	A.	Dr. B.R. Ambedk	ar	B. Jawaharlal Nehru	`	
	C.	Mahatma Gandh	ıi	D. Motilal Nehru		
29.	. Wh	o had given the s	slogan of "Do or Die"	during Quit India Mov	ement?	
	A.	Jawarharlal Neh		B. Sardar Patel		
	C.	B.R Ambedkar		D. Mahtma Gandhi		
30.		Which of the following combination of colours was there in the 'Swaraj flag' designed by				
		ndhiji in 1921?	vla i to	D wad	J	
		red, green and w		B. red, green and yel		
24	C.	orange, white ar		D. yellow, white and		
31.		Which one of the following is not true regarding the Civil Code of 1804?				
		Abolition of all privileges based on birth				
			nocracy in France			
			f equality before law			
		ecuring right to p				
		•	suring unit 'Elle' was			
	A.	Cloth		B. Thread		
		Land		D. Height		
33.		Who among the following was described as' the most dangerous enemy of social order' by Duke Metternich				
	A.	Louis Philippe		B. Karol Kurpinski		
		Giuseppe Mazzin		D. Johan Gottfried		
34.			ng countries did not a	attend the Congress of	Vienna?	
		Britain		B. Russia		
		Prussia	in a founded the	D. Switzerland	ale (Varre - Italy)	
		o among the rollo' seilles?	wing founded the un	derground society nam	iely roung ltaly in	
	A.	Metternich		B. Cavour		
1	C.	Giuseppe Mazzin	i	D. Giuseppe Garibaldi -5-		

36	. W	Which of the following is the northernmost international airport in India?			
	A.	Raja Sansi	B. Meenam Bakkam		
	C.	Indira Gandhi International	D. Netaji Subhash Chandra Bose		
37	. La	Land left without cultivation for one or less than one agricultural year is called			
	A.	Culturable waste land	B. Current fallow land		
	C.	Waste land	D. None of the above		
38.	W	Which one of the following statements is correct as regard to international resources?			
	A.	Resources which are regulated by inte	ernational institutions.		
	B.	Resources which lie beyond the territ	torial waters.		
	C.	Resources which are found along the international frontier.			
	D.	Resources which are not yet develope	d.		
39.	. What percentage of our land should be under forest according to the National Forest Policy (1952)?				
	A.	33	B. 22.5		
	C.	31	D. 30		
40.	Wh	nich country is the major importer of Ir	ndian yarn?		
	A.	Indonesia	B. Bhutan		
	C.	Japan	D. Spain		
41.	Which one of the following states is not connected with the H.V.J pipeline?				
	A.	Madhya Pradesh	B. Maharashtra		
	C.	Gujarat	D. Uttar Pradesh		
42.	Wh	What percentage of our cropped area is covered by oil seeds?			
	A.	21	B. 12		
	C.	2	D. 4		
43.	Black soil is deficient in				
	A.	Calcium carbonate	B. Magnesium		
	C.	Potash	D. Phosphoric contents		
44.	Which of the following national highways covers most of Rajasthan?				
	A.	NH 2	B. NH 34		
	C.	NH 23	D. NH 15		
45.	The most visible political institution in a democracy is				
	A.	Parliament	B. Election commission		
	C.	Political parties	D. Legislative Assembly		
46.	Whi	Which of the following is a centrist party in its ideological orientation?			
	A.	ВЈР	B. Indian National Congress		
	Γ	CPIM	D. RSP		

47	. Wł	Which of the following is not a serious challenge for political parties?		
	A.	Lack of internal democracy	B. Dynastic succession	
	C.	Lack of funds	D. Money power and muscle power	
48. Democracy is felt to be not so good in its				
	A.	outcomes	B. Practice	
	C.	Procedures	D. Characteristics	
49	. Wh	nich one of the following gives recogni	tion to political parties in India?	
	A.	Election commission	B. President of India	
	C.	Speaker of the Lok Sabha	D. Supreme court	
50.	. Dev	velopment of a country is generally det	termined by	
	A. i	ts percapita income	B. its literacy level	
	C. h	ealth status of its people	D. all the above	
51.	fam		a country. The average percapita income of these aree families is 4000, 7000 and 3000 respectively,	
	A. F	Rs. 7500	B. Rs. 3000	
	C. R	s. 2000	D. Rs. 6000	
52.	GDI	P of a country is based on		
	A.	total value of goods and services	B. value of all final goods and services	
	C.	initial value of goods and services	D. aggragate value of inputs used in a year	
53.	Wh	ich one of the following is a public sec	tor enterprise?	
	A.	TISCO	B. RIL	
	C.	Indian Railway	D. WIPRO	
54.	Imp	rovement in transport has helped in p	romotion of	
	A.	globalisation	B. liberalisation	
	C.	Privatisation	D. None of the above	
55.	The	$most\ common\ route\ for\ investment\ b$	y MNCs in countries around the world is to	
	A.	set up new factories	B. buy existing local companies	
	C.	partnership with local companies	D. Placing orders with small producers in less developed countries	
56.	Glob	palisation has led to improvement in li	ving conditions of	
	A. a	all people in developed countries	B. people in Latin American countries	
	C.	workers in developed countries	D. None of the above	
57.	Whi	ch one of the following facilitates the $\mathfrak p$	process of globalisation?	
	A. '	WTO	B. WHO	
	C. I	UNICEF	D. ILO	

58. Investments made by MNCs in o	ther countries is known as				
A. capital investment	B. corporate investment				
C. international investment	D. Foreign investment				
59. Which one of the following term	ns specifies the quantity of goods which can be imported?				
A. Quotas	B. tariffs				
C. trade	D. GDP				
60. With which of the following man	nufacturers did Ford India collaborate?				
A. Bajaj	B. Maruti				
C. Tata	D. Mahindra and Mahindra				
61. The correct meaning of 'wild goo	ose chase'				
A. to get into trouble	B. run away				
C. a search for something that is	impossible to get				
D. look for or discover					
62. He said, "I have been studying in	this college for two years".				
A. He said he studied in that col	lege for two years.				
B. He said he had studied in tha	t college for two years.				
C. He said that I had studied in t	his college for two years				
D. He said that he had been stud	lying in that college for two years.				
63. He said that the book was very in	nteresting.				
A. He said ,"The book has been v	A. He said ,"The book has been very interesting".				
B. He said ,"The book had been w	B. He said ,"The book had been very interesting".				
C. He said ,"The book would be v	C. He said ,"The book would be very interesting".				
D. He said ,"The book is very int	eresting".				
64. ————— the teacher gave i	————— the teacher gave me a passing grade.				
A. After I took the test	B. After taking the test				
C. As I took the test	D. No improvement				
65. Uneasy lies the head $$ v	vears the crown.				
A. who	B. that				
C. what	D. no improvement				
66. He ————— the charge bro	ught against him				
A. disagreed	B. disowned				
C. denied	D. no improvement				
67. ——— these two options coul	d be the correct answer.				
A. Either one of	B. Any two of				
C. Either of	D. Any of				
68. Several ministers ———— to	meet the people tomorrow.				
A. have been expected	B. have been expecting				
C. are expected	D. is expected -8-				

69. You will come to my party tomorro	w,———			
A. isn't it?	B. will not you?			
C. won't you?	D. no improvement?			
70. There was a ——— of drums.				
A. role	B. droll			
C. troll	D. roll			
71. Everyone was ———— tears at	his sad story.			
A. moved by	B. moved to			
C. moved in	D. moved with			
72. We should ——— the rules.				
A. cope with	B. conduce with			
C. side with	D. comply with			
73. This is a ——- story.				
A. make off	B. made off			
C. made up	D. make up			
74. If she was selected ,she ———a goo	od secretary.			
A. would make	B. will make			
C. can make	D. would have made			
75. The crop will fail ——- it rains this v	veek.			
A. unless	B. until			
C. till	D. when			
76. He set up an institution of internation	onal —— .			
A. renown	B. repute			
C. reputation	D. fame			
77. The chief minister asked her officer:	s to ——the process of procuring food.			
A. speed up	B. expedite			
C. haste	D. do fast			
78. Find the word that means the same	as 'strict or exact in the observation'			
A. punctiliousness	B. familiarity			
C. formality	D. seldom			
79. Find the correct spelt word				
A. affedevit	B. afidevit			
C. affidevit	D. affidavit			
80. They decided ———— the grey sofa.				
A. about	B. on			
C. in	D. of			