## SECTION - I

## ENGLISH

1.	Whi	ch of the follow	ing nor	n-alcoholic be	vera	ges is	known as the 'C	Queen	Beverages' ?	
	(A)	Coffee	(B)	Tea		(C)	Cocoa	(D)	Cola	
2.	Ibra	him Rahmatollal	h Cup	is associated	with	ι:				
	(A)	Archery	(B)	Boxing		(C)	Badminton	(D)	Basketball	
3.	Bloo	d pressure is me	easurec	l with :						
	(A)	Thermometer			(B)	Baro	meter			
	(C)	Sphygmomano	ometer		(D)	Lact	ometer			
4.	Defo (A)	Drought	in wh	ich of the foll Floods	lowin	ng ? (C)	Soil erosion	(D)	All the above	
5.	Bone deformities occur due to the excessive intake of :									
	(A)	Phosphorus	(B)	Potassium		(C)	Fatty acid	(D)	Fluorine	
6.	Full	form of IOC is:								
	(A)	Indian Oil Cor	npany		(B)	Indian Oil Corporation				
	(C)	India Oil Com	pany	9	(D)	India	a Oil Corporatio	n		
7.	Wha	t is the general o	directio	on of cyclones	for	ned ir	n the Bay of Ben	gal ?		
	(A)	East to West	(B)	West to Eas	t	(C)	West to South	(D)	North to South	
8.	Whi	ch of the followi	ng is a	parasitic pla	nt ?					
	(A)	Marchantia	(B)	Kelp		(C)	Mushroom	(D)	Pteris	

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9.	Which of the following is released during photosynthesis?								
	(A)	Oxygen	(B)	Carbon dioxid	e (C)	Light	(D)	Energy	
10.		oat moves upstre				0 minutes and c	lownstr	eam at the r	ate of
	(A)	4 kmph	(B)	1.5 kmph	(C)	2 kmph	(D)	2.5 kmph	
11.	Whic	ch one among th	e follo	wing rivers flow	s thro	ugh rift valley ?			
	(A)	Mahanadi	(B)	Krishna	(C)	Tungabhadra	(D)	Tapi	
12.	Vidy	asagar Setu is b	uilt on	the river :					
	(A)	Hoogly	(B)	Brahmaputra	(C)	Ganga	(D)	Yamuna	
13.	Opti	cal Fibre was in	vented	in the year :					
	(A)	1995	(B)	2000	(C)	1955	(D)	2005	
14.	Who	is the columbus	s of the	space age ?					
	(A)	Mithali Raj		(B)	Kal	pana Chawla			
	(C)	Yuri Gagarin		(D	) Lee	la Seth			
15.	Whi	ch National Hig	hway o	connects Delhi a	and Ko	lkata ?			
	(A)	NH - 2	(B)	NH - 4	(C)	NH - 6	(D)	NH - 10	
16.	Amj	ad Ali Khan is a	issociat	ed with which	of the	following musica	al instru	iments ?	
	(A)	Sarod	(B)	Violin	(C)	Tabala	(D)	Sitar	
17.		constitutional at		Control of the Contro	ower o	f declaring Cast	s and T	ribes as Sche	duled
	(A)	Parliament		(B)	) Ho	me Minister			
	(C)	President of In	dia	(D	) Cha	nirman SC/ST C	onmis	sion	

- 18. X, Y, Z started a business by investing ₹ 4000, ₹ 8000 and ₹ 10,000. 'X' withdraws from the business after 6 months and 'Z' withdraws after 9 months. At the end of the year the profit is ₹ 1,40,000. What is the share of X, Y, Z in the profit respectively?
  - (A) ₹ 60,000, ₹ 64,000, ₹ 16,000 respectively
  - (B) ₹ 16,000, ₹ 64,000, ₹ 60,000 respectively
  - (C) ₹ 64,000, ₹ 60,000, ₹ 16,000 respectively
  - (D) None of the above
- 19. The neutron was discovered by :
  - (A) Chadwick
- (B) Rutherford
- (C) Fermi
- (D) Bohr
- 20. Which of the following produces H2 gas, when reacts with acid?
  - (A) Zn
- (B) S

- (C) C -
- (D) O
- 21. ₹ 355 have been divided among A, B, C in such a way that A had ₹ 20 more than B and C had ₹ 15 more than A. How much was C's share?
  - (A) ₹ 100
- (B) ₹ 120
- (C) ₹ 135
- (D) ₹ 150
- 22. Which of the following is a rich source of carbohydrates, proteins and fats?
  - (A) Bean
- (B) Rice
- (C) Groundnut
- (D) Gram
- 23. 143.276 + 4031.0001 + 400.0010 + 321.1 + 009.0 0.09 =
  - (A) 4094.37
- (B) 4904.371
- (C) 4904.771
- (D) 4904.2871

- 24.  $1\frac{1}{5} \times 2\frac{2}{3} \times 3\frac{1}{3} \times \frac{1}{3} =$ 
  - (A) 3

(B) 4

(C) 6

- (D) 9
- 25. What is the average temperature of surface water of the oceans?
  - (A) 22° Celsius
- (B) 17.2° Celsius
- (C) 26.7° Celsius
- (D) 19.4° Celsius

- When day-light hours are increased, the rate of photosynthesis: 26.
  - (A) increases

- (B) decreases
- (C) remains unchanged
- none of the above (D)
- The author of the book 'Ratnawali' is: 27.
  - (A) Tulsidas
- Kalidas (B)
- (C) Harsh Vardhan (D) Premchand
- The object of 'Sangam Yojana' is: 28.
  - (A) to make Ganga water pollution free
  - to ensure welfare of handicapped (B)
  - to unite various groups of Hindus (C)
  - (D) none of the above
- In Basketball, how many players are there in each side? 29.



- 30. (A) Plane mirror
- (B) Concave mirror (C) Convex mirror (D) None of these

- 6561, 81, 9, \_ ?\_\_ 31.
- (B) 3
- (D) 4
- 32. 'Operation Cactus' is the name given to Indian Military intervention in:
  - (A) Maldives
- Srilanka (B)
- Bangladesh (C)
- (D) Bhutan

- 'AZLAN SHAH' cup is associated with:
  - (A) Badminton
- Cricket (B)
- Football (C)
- (D) Hockey

- In India, the plateau of Malwas is an example of : 34.
  - Piedmont plateau

- Lava plateau (B)
- Continental plateau (C)
- Intermontane plateau (D)

35.	What price should a tradesman mark on an article which costs him ₹ 300 to gain 20% after
	allowing 4% discount ?

(A) ₹ 324

₹ 350 (B)

(C) ₹ 375

None of the above (D)

36. Blood clotting will not occur in the absence of :

> (A) Iron

(B) Calcium

(C) Phosphorus

None of the above (D)

37. Which of the following causes polio-myelitis?

- (A) Dengue Virus
- Entero Virus (B)
- Mumps Virus (C)
- Rhabdo Virus (D)

Which one of the following do not take part in the elections of the President?

- (A) Elected Members of Lok Sabha
- Elected Members of Rajya Sabha (B)
- Members of Legislative Councils (D) None of the above (C)



The number of pairs of spinal nerves in man are: 39.

- (A) 30
- (B) 31
- (C) 33
- (D) 32

 $6.4 \times 3.8 \times 4.2 \times 0.3 =$ 40.

(A) 30.6432

72.0192 (B)

00.0192 (C)

None of the above (D)

 $\left[1\frac{1}{4} \div 1\frac{1}{2}\right] + \left[2\frac{1}{3} \times 1\frac{3}{4}\right] =$ 

- (A)  $\frac{13}{6}$
- (B)  $\frac{6}{13}$
- (C)  $4\frac{12}{11}$

'Mrichhakatika' was written by :

- (A) Vikramaditya (B) Sudraka
- (C) Kalhana
- (D) Banabhatta

(D)

Iswar Chandra Vidyasagar

Raja Ram Mohan Roy

(C)

								1.5
52.	The	percentage of pl	asma i	n the total blood	volun	ne in human being	gs is a	bout :
	(A)	45	(B)	50	(C)	55	(D)	60
53.	Whi	ch of the followi	ng me	tals has the lowe	st mel	ting point ?		
	(A)	Lead	(B)	Lithium	(C)	Potassium	(D)	Sodium
54.	Hun	nan beings can h	ear th	e sound range be	etween	:		
	(A)	10 to 20 decibe	ls	(B)	100	to 150 decibels		
	(C)	50 to 60 decibe	ls	(D)	Non	e of the above		
55.	Gand	dhiji started Saty	agrah	a in 1919 to prot	est aga	ainst:		
	(A)	Rowlatt Act	(B)	Cornwallis	(C)	Simpson	(D)	O. Dwyer
56.	The will	age of Sitamma i	i0 year Radha	s ago was thrice . What is the rati	the ag	e of Radha. 10 yea eir present age ?	ırs he	nce, Sitamma's ag
		7:3			2:1		MALLAN	e of the above
57.	'Nan	n Yom' and 'Mel	kong' a	are the chief rive	rs of :			
	(A)	China	(B)	Myanmar	(C)	Thailand	(D)	Indonesia
58.	Whic	ch one of the foll	lowing	is the oldest Gra	and Sla	m of the World ?		
	(A)	Wimbledone	(B)	French Open	(C)	Australia Open	(D)	US Open
59.	$1\frac{2}{3}$	$+2\frac{1}{3}+2\frac{2}{3}-4$	1 =					
	(A)	$2\frac{1}{3}$	(B)	$2\frac{1}{2}$	(C)	$2\frac{1}{6}$	(D)	2

60. Velocity of sound is minimum in:

(A) Steel

(B) Vacuum (C) Water

(D) Air

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61.	The	element of Ele	ctric Stov	e is made	of:								
	(A)	copper	(B)	invar		(C)	magnalium	(D)	nicrome				
62.	The	Shipping Corp	ooration (	of India Lir	nited v	vas fo	ormed in :						
	(A)	1952	(B)	1961		(C)	1976	(D)	1981				
63.	The	water of which	h one of	the followin	ng lake	es is u	sed for produci	ng salt	?				
	(A)	Barapani	(B)	Kolleru		(C)	Loktak	(D)	Sambhar				
64.	Which one of the following is the weakest force ?												
	(A)	Gravitational	l Force		(B)	Electromagnetic Force							
	(C)	Nuclear Ford	e		(D)	Elec	trostatic Force						
65.	The method of protecting iron from rusting, by coating a thin layer of zinc is called:												
	(A)	galvanizing	(B)	rancidity		(C)	alloy	(D)	pulverizin	g			
66.	The metal which can be deformed permanently by heat and pressure is called a :												
	(A)	Thermoplast	ic		(B)	Thermoset							
	(C)	Chemical co	mpound		(D)	Poly	mer						
67.	$436 \times 17 \times 3 \div 32 =$												
	(A)	694.857	(B)	694.875		(C)	694.758	(D)	694.775				
68.		average attenders is 320. How i					hree days of a thick	week is	325 and fir	st four			
	(A)	300	(B)	315		(C)	350	(D)	305				
69.	Whi	ch of the follo	wing eler	nents is ele	ctrone	gative	?						
	(A)	Sodium	(B)	Oxygen		(C)	Magnesium	(D)	Calcium				

70.	'His	'Histology' is the study of :										
	(A)	Bones	(B)	Coins		(C)	Tissues	(D)	History			
71.	Whi	ch of the followir	ng in t	he human bo	dy i	s pop	ularly called the	Adam	s apple ?			
	(A)	Adrenal	(B)	Liver		(C)	Thyroid	(D)	Thymus			
72.	Head	d Quarters of IN	TERPO	OL is in:								
	(A)	New York	(B)	Washington	ı	(C)	Lyon	(D)	London			
73.	Seco	nds pendulum is	a per	ndulum which	exe	ecutes	one oscillation i	n:				
	(A)	Half a second	(B)	One second		(C)	Two seconds	(D)	None of these			
74.	Sma	ll-pox is a deadly	and	highly contag	ious	:						
	(A) Bacterial disease					Viral disease						
	(C)	Fungal disease			(D)		min deficiency d					
75.	Whi	ch of the followir	ig is a	GSLV satellit	e ?		K.C	0				
	(A)	EDUSAT	(B)	HAMSAT		(C)	CARTOSAT - 2	2 (D)	METSAT			
76.	Which of the following political parties contested election in Andhra Pradesh for the first time during 15 <sup>th</sup> Lok Sabha elections ?											
	(A)											
	(B) Telangana Rastra Samithi											
	(C)	Praja Rajyam										
	(D)	Telugu Desam										
77.	SI ur	nit of magnetic fl	ux is :									
	(A)	Weber	(B)	Tesla		(Ċ)	Henry/metre	(D)	Weber/metre <sup>2</sup>			
78.		nd B can do a pie ays. In how man							C and A can do in			
	(A)	30 days	1 10.56		(B)	20 d	ays					
	(C)	60 days			D)	Non	e of the above					

- 79.  $(1694 \div 11) + (2568 \div 8) - (534 \div 6) =$ 
  - (A) 384
- (B) 385
- (C) 386
- (D) 387
- Two trains 121 meters and 99 meters in length respectively are running in opposite 80. directions, one at the rate of 40 kms and the other at the rate of 32 kms an hour. In what time will they completely clear each other from the movement they meet?
  - 10 seconds (A)

9 seconds (B)

11 seconds (C)

- None of the above (D)
- The term 'Heavy Water' refers to: 81.
  - (A) Ice

(B) Deuterium oxide

Re-distilled water (C)

(D) Water at  $4\frac{1}{2}$ °C

Trachoma is a disease of the 82.

- (A) Liver
- (B) Eyes
- (C) Lungs
- (D) Kidneys

- Full form of FERA is: 83.
  - (A) Foreign Exchange Rules Act
  - Foreign Exchange Registration Act (B)
  - (C) Foreign Exchange Regulation Act
  - None of the above (D)
- Find simple interest on ₹ 7,300 at 12% p.a for the period from 5th January 2007 to 84. 18th April 2007.
  - (A) ₹ 247.20
- (B) ₹ 284.20
- (C) ₹ 294.20
- (D) ₹ 264.20
- Which one of the following districts is well known for the cultivation of coffee? 85.
  - (A) Balasore
- Chikmangalur (C) Guntur (B)
- (D) Khurda

86.	The	The mass density of kerosene is :										
	(A)	more than wa	ter		(B)	equ	al to water					
	(C)	less than water	r		(D)	non	e of the above					
87.	Hov	How many Articles did we have in our original constitution ?										
	(A)	400 Articles	(B)	410 Ar	ticles	(C)	443 Articles	(D)	395 Articles			
88.	10%	and the price of ugar together co	Sugar	raises by	20% per	kg ea	ch, the cost of o	one kg To	ea powder falls by ea powder and one wder in rupees per			
	(A)	₹ 72	(B)	₹ 55		(C)	₹ 60	(D)	₹ 80			
89.	One	horse power is	equal t	0:								
	(A)	523 watts	(B)	746 w	vatts	(C)	\$16 waits	(D)	719 watts			
90.	Мар	Mapping of the radio emissions from extra terrestrial sources is known as :										
	(A)	Asteroids		(B)	Radi	io astronomy						
	(C)	Radio mappin	g		(D)	Rad	io photography	/				
91.	Who	was the Presid	ent of I	ndia at tl	he time o	of proc	lamation of en	nergency	in the year 1976?			
	(A)	V.V. Giri			(B)	Gyani Zail Singh						
	(C)	Fakruddin Ali	Ahmad	đ	(D)	Shankar Dayal Sharma						
92.	National Institute of Homeopathy is at :											
	(A)	Kolkata	(B)	Jaipur		(C)	Chennai	(D)	Bengaluru			
93.	Opti	cs is the study o	f:									
	(A)	nature and pro	perties	of light								
	(B)	old age, its phe	enomen	a, diseas	ses etc.							
	(C)	diseases of the	nervou	s system	Į.							
	(D)	) symbolic representations										

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94.	Who	gave the slogan	"you	give me blood, I	promise you freedom" ?						
	(A)	Bhagat Singh		(B)	Chandra Shekhar Azad						
	(C)	Subhash Chan	dra Bo	ose (D)	Bal	Gangadhar Tila	k				
95.	The	pitch of the sour	nd is m	neasured by its :							
	(A)	Intensity	(B)	Waveform	(C)	Frequency	(D)	Loudness			
96.	Plan	ts used for prod	uction	of biofuel are :							
	(A)	Pongamia glab	ra	(B)	Jatro	opa curcas					
	(C)	Acacia melano	xylon	(D)	Aza	dirachta indica					
97.	Whi	ch of the followi	ng act	s as a resistance a	gains	t disease in the l	oody?				
	(A)	Carbohydrates	(B)	Red corpuscles	(C)	Vitamins	(D)	White corpuscles			
98.	Full (A)	form of ITPO is	e Prot	notion Organisat	ion	k.c		m			
	(A) Industrial Trade Promotion Organisation  (B) Indian Trade Promotion Organisation										
	(C) Income Tax Payments Organisation										
	(D) None of the above										
99.	Whi	ch of the followi	ng nor	mally warms up	faster	when heat is a	oplied ?				
	(A)	Water	(B)	Glass	(C)	Iron	(D)	Wood			
100.	A pe	erson suffering fr	om m	yopia cannot see	the ol	ojects at :					
	(A)	near distance	(B)	longer distance		any distance	(D)	close to eye			
				- 0							