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UG-EE-June, 2024

SET-Z

SUBJECT: BCA (4 Year)

10377

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Time: 1¼ Hours Roll No. (in figures)	Max. Marks : 100 (in words)		Total Questions : 100
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- 1. All questions are compulsory.
- 2. The candidates *must return* the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- 3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
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- 6. There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
- 7. Use only Black or Blue Ball Point Pen of good quality in the OMR Answer-Sheet.
- 8. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.



1.	What is the symbol of Gold?		and The Total
	(1) Ag	(2)	Au
	(3) Ca	(4)	G
2.	Who invented the telephone?		Start Hale I St
	(1) Marie Curie	(2)	Mark Marturello
	(3) Alexander Graham Bell	(4)	Nikola Tesla
3.	What is the national animal of India?	eo [4 7	
	(1) Dolphi	(2)	Parrot
	(3) Lion	(4)	Bengal Tiger
4.	What is the minimum age for becoming	a Lo	k Sabha candidate?
	(1) 27	(2)	25
	(3) 26	(4)	28
5.	Who was the first election commissione	r of I	ndia?
	(1) Sukumar Sen	(2)	Rajiv Kumar
	(3) Om Birla	(4)	Dhananjaya
6.	What is a "free throw" commonly associ	iated	with?
	(1) Football	(2)	Badminton
	(3) Basketball	(4)	Cricket
7.	Which day is celebrated as World Press	Free	dom Day ?
	(1) 10 April	(2)	15 February
	(3) 18 December	(4)	3 May
	•		

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8.	Who is the author of the famous book "We the People"?
	(1) Kushwant Singh (2) Charles Dickens
	(3) Emily Bronte (4) Nani Palkhivala
9.	Who appoints the Advocate General of each state of India?
	(1) President (2) Governor of a state
	(3) Prime Minister (4) Solicitor General
10.	Who has been appointed as the new Chief of Research and Analysis Wing(RAW)?
	(1) Ravi Sinha (2) Tapan Kumar Deka
	(3) Ravindra Kaushik (4) Ajay Kumar Singh
11.	If PINK is coded as 1691411, then RED will be coded as:
4	(1) 1963
	(3) 1854
12.	Which of the following is the odd one from the given alternatives?
	(1) Diving (2) Driving
	(3) Swimming (4) Sailing
13.	Which of the following pairs of words are differently related?
	(1) Kind: cruel (2) Stale: fresh
	(3) slow: sluggish (4) Truth: lie
14.	Drama: Stage:: Tennis:
•	(1) Court (2) Net
71	(3) Tournament (4) Racket
	TOWAY.

15.	The day before yesterday was Saturday. What will be the day after tomorrow?
	(1) Wednesday (2) Monday
	(3) Friday (4) Thursday
16.	Look at the series: 36, 34, 30, 28, 24, What number should corne next?
	(1) 26 (2) 20
	(3) 23
17.	Which word is odd one out?
	(1) fondness (2) Liking
	(3) hate (4) Attachment
18.	Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother". How is Suresh related to that boy?
	(1) Uncle (2) Brother
	(3) Cousin (4) Father
19.	The sum of ages of 4 friends A,B,C and D is 70 Years. What would be the total of their ages after 5 years later?
	(1) 90 (2) 85
	(3) 75
20.	A man walks 1km to East and then he turns to South and walks 5 km. Again he turns to East and walks 2km. After this he turns to North and walks 9 km. Now, in which direction he is from starting point?
	(1) North (2) South
	(3) North-East (4) West
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21.	Which of the following compound is mainly used in hand sanitizer?			
	(1) Alcohol	(2) Ac	cetic acid	
	(3) Aldehyde	(4) Ke	etone	280113
22.	Which of the following glands is presen	t in the l	human mouth?	
	(1) Adrenal	(2) Pit	tuitary	- (C)
	(3) Gonads	(4) Sa	llivary	
23.	What is the basic unit of our neural syste	em?		
	(1) Neutron	(2) Ne	euron	i i Tradi
	(3) Nephron	(4) Nu	acleon	to 17
24.	Name the part of the body on which core	onavirus	s affects the most?	r (9)1
	(1) Heart	(2) Liv	ver	
	(3) Kidney	(4) Lu	ings	
25.	About 70% part of the sun is made up of	f :		State of the
	(1) Hydrogen	(2) Ox	kygen	
	(3) Carbon	(4) He	elium	it W
26.	A Universal donor person have a blood	group:		
	(1) A	(2) AI	В	
17 M	(3) O			alle to Evolu
27.	Name an instrument which is used to me			eg le Salt
			ydrometer	
	(3) Barometer	(4) Hy	ygrometer	cultury 14

28.	Which of the following is/are the symptom	ms	of Black Fungus?
	a. Facial Swelling	b.	Nasal Congestion
	c. Headache		
	(1) Only a	(2)	Only b
	(3) Both b and c	(4)	a, b and c
29.	Which of the following is used in pencil	s?	
	(1) Silicon	(2)	Graphite
	(3) Charcoal	(4)	Phosphorous
30.	The gas usually filled in the electric bulb	: :	ra i pživama i se o vzkužire mogili simi militate. Sila komana ja viši i bobia njižnačni senizi
	(1) Hydrogen	(2)	Oxygen and the state of the sta
	(3) Nitrogen	(4)	Carbon dioxide
31.	The sum of first 20 odd counting number	rs is	: 2
	(1) 20	(2)	100
slr,	(3) 400	(4)	313
32.	The positive integer which is nearest is	to	1000 and divisible by 2, 3, 4, 5 and 6
	(1) 1020	(2)	1040
	(3) 960	(4)	1030 to the secretary of the secretary o
33.	How many times is the HCF of 48, 36, 7	2 an	d 24 contained in their LCM?
	(1) 12	(2)	10
	(3) 24	(4)	14
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, 34.	The LCM of 5, 8, 12, 20	0 will not be a multiple of	上面 1 mm
	(1) 3	20 M (2) 9	as the factor of
	(3) 8	(4) 5	Sent Comments Sent Comments of the Comments
35.	A man sold 250 chairs	and had a gain equal to the selling price of	50 chairs. His profi
	percentage is		
	(1) 25%	(2) 10%	
	(3) 5%	(4) 50%	Looke Diff
36.	In an election between	two candidates, one got 55% of total valid	votes. 20% of the
		ne total number of votes were 7500, the nur	
	•	got were	
	(1) 2700	(2) 2900	ប្រជាជា
	(3) 3000	(4),3100, 11, 11, 15, 16, 17, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18	3.0
37.	A man's basic pay for a	a 40h week is Rs. 20. Overtime is paid for	at 25% above the
		week, he worked overtime and his total w	
	therefore, worked for a t		AND THE STATE OF STAT
	(1) 45h	(2) 47h	
	(3) 48h	(4) 50h	
38.	If the cost price of 36 b	books is equal to the selling price of 30 bo	ooks, then the gair
	percentage is		
	(1) 20%	(2) 25%	
Water Land	(3) 16%	(4) 30%	
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39.	A dealers makes a profit of 20% by s	elling an article. What would be the percentage
		paid 20% less for it and the current paid 10%
	more for it?	**************************************
	(1) 225%	(2) 125%
	(3) 200%	(4) 160%
40.	The average weight of a class of 29 s	tudents is 40kg. If the weight of the teacher be
•	included, the average rises by 500g. WI	
	(1) 40.5 kg	
	(3) 45 kg	(4) 55 kg
41.	The averages of square of natural numb	ers from 1 to 35 is
	(1) 436	(2) 426
		(4) 446
42.	If A takes 4h to cover a distance and he	e is 2 times faster than B, then what time will B
	take to cover the same distance?	gration in the engineering a national filters of the
	(1) 6 h	(2) 8 h
	(3) 9 h	(4) None of them
43.	A motor car does a journey in 9 h, the	first half at 12 km/h and second half at 15km/h.
	Find the distance.	in the state of th
·		(2) 100 km
	(3) 124 km	(4) 96 km
UG-EE	E-June, 2024/(BCA-4 Yr.)(SET-Z)/(A)	of the 196 part of the contract and P.T.C

44	A man is walking at a speed of 9 k	m/h. After every km he ta	kes rest for 9 min. Ho
10	much time will he take to cover a di	stance of 27 km?	and the spice.
	(1) 6 h	(2) 6 h 45 min	2011 401
	(3) 6 h 54 min	(4) 6 h 35 min	
45.	At what rate of interest per annum v	vill a sum becomes 5 times	in 20 years at SI?
		(4) 10%	
46.			rest on a certain sum at
	5% for 2 yr is Rs. 1.50. Tlie sum is.	Market and the second of the second	
	(1) Rs. 600	(2) Rs. 500	
	(5) 18. 100	(4) Rs. 300	
47.	What principal will amount to Rs. 1	352 in 2 years at 4% compo	und interest?
	(1) Rs. 1520	(2) Rs. 1260	
	(3) Rs. 1250	(4) Rs. 1220	
48.	A and B can do a piece of work in 7 do it in 90 days. In what time can A		1 120 days; A and C can
	(1) 150 days	(2) 120 days	40
	(3) 100 days	(4) 80 days	
49.	A can do a certain job in 12 days. B it takes to do the same piece of work	is 60% more efficient than k, is	A. The number of days
	(1) 6	(2) 25/4	West Clare
	(3) 15/2	(4) 8	
UG-E	E-June, 2024/(BCA-4 Yr.)(SET-Z)/	(A) 17 man (1991), 17 Lac.	Www.C.Come College

	idit, flow much time will the leak take	to empty it?	· · · · · · · · · · · · · · · · · · ·
	(1) 24 h	(2) 20 h	
	(3) 18 h	(4) 12 h	ingo de
51.	Find the third proportional to the num	bers 5 and 10.	AND THE TENE
	(1) 20	(2) 2.5	in the second
	(3) 25	(4) 30	
52.	Ratio of boys to the girls in a class	is 5: 4. Which of the followin	g cannot be the
	number of students in the class?		
	(1) 45	(2) 72	
_	(3) 108	(4) 98	
53.	In an educational institution there are	15 more boys than girls. If the nu	imber of boys is
	increased by 20% and number of gir	rls is increased by 15% there wo	uld be 29 more
	boys than girls. How many students a	re there in the institution?	Was fee
	(1) 250	(2) 255	1966 - 19 - 19 - 19 - 19 - 19 - 19 - 19
	(3) 230	(4) 220	C. Carlon
			1 (2)
54.	Two oranges, three bananas and four	apples cost Rs. 15. Three orang	es, two bananas
	and one apple cost Rs.10. I bought 3	oranges, 3 bananas and 3 apples.	How much did I
	pay?	a francischen für für geringen gehanden.	Maria 15
	(1) Rs. 15	(2) Rs. 8	
	(3) Rs. 10	(4) Cannot be determined	VITE
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50. A pipe can fill a tank in 6 h. Due to leak in the bottom it is filled in 8 h. If the tank is

55. How many prime factors are there in the expression $(12)^{43}$ * $(34)^{48}$ * $(2)^{57}$?

(1) 282

(2) 237

(3) 142

(4) 61

Directions (Q. Nos. 56-60): A survey film watching habits of people living in 5 cities I, II, III, IV and V is summarised below. The column (1) gives percentage of film-watchers in each city who see only film a week. The column (2) gives the total number of film-watchers who see more than one film per week. Read the table and answer the questions.

	-			-
2	City	-	(1)	(2)
	Ĩ	 	50	3200
7 gr (4	II	t program	30	3500
	III		65	7000
	IV		25	5400
- ",	V		80	2900

56. How many film-watchers in City II see only one film a week?

(1) 900

(2) 1500

(3) 1600

(4) 3200

57. Which city has the highest number of film-watchers who see only film a week?

(1) I

(2) II

(3) III

(4) IV

58. The city with the lowest number of film-watcher is

(1) I

(2) II

(3) IV

(4) V

59.	The city with the highest number of film	-wat	tcher is
	(1) I	(2)	V
	(3) IV	(4)	III
	. The state of		
60.	The total number of all film watchers in	i the	e five cities who see only one film a week
	is	The sec	प्रतिकारिक मुक्तिस्थलको मिन्स क्याप्ति । शिव
	(1) 31100	(2)	29500
	(3) 28600	(4)	28300
61.	High-capacity computers used primarily	for	
	(1) Microcomputers	(2)	Minicomputers
	(3) Mainframes	(4)	Supercomputers
62.	Which piece of hardware do you need to	con	mect to the internet?
`	(1) An ISP Account	(2)	A Modem
	(3) A Browser	(4)	Internet Explorer
63.	Which one of the following is not a netw	vork	topology?
	(1) Star	(2)	Bus of warelland and hard will be
	(3) Linear	(4)	Ring
64.	Which of the following device could	not	be a part of a wired LAN based on star
	topology?	5 T (2)	the provide a probability and in the first of the
	(1) Switch	(2)	Repeater
	(3) Hub	(4)	Router
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12		runnling applications in
65.	windows? (1) FN + TAB (3) CTRL + TAB	ween simultaneously runnling applications in (2) ALT + TAB (4) SHIFT + TAB
66.	Which of the following operating system	ns use preemptive scheduling?
00.	(1) Mac OS 8 (3) Windows 95	(2) Window 3.x (4) DOS 6.0
67 .	What does URL stand for? (1) Uniform Resource Locator (2) Universal Resource Locator (3) Uniform Retrieval Locator (4) Universal Retrieval Locator	Andrew the restaurance of the re
	Which of the following is non-volatile n	
68.		(2) Cache
	(3) CPU Register	(4) ROM
69.	Which port is typically used to connect a	a monitor to a computer?
	(1) USB	(2) Ethernet
	(3) HDMI	(4) Audio Jack
70.	Which Linux command is used to chang	e file permission?
	(1) chmod	(2) chperm
	(3) perm	(4) chown
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71.	ey to open Task Manager?		
	(1) Ctrl + Alt + Delete	(2) Ctrl + Shift + Esc	
	(3) Alt + F4	(4) Ctrl + Esc	
72.	Which part of an email address com	nes after the '@' symbol ?	
	(1) Username	(2) Domain name	
	(3) Subject	(4) Service Provider Name	
73.	Which of the following is not a web browser?		
	(1) Google Chrome	(2) Mozilla Firefox	
	(3) Microsoft Edge	(4) Ubuntu	
74.	What is the purpose of "Bcc" (Blind		
		additional recipients without their address being	
	(2) To attach files to the email	म्मा वर्षा हुन्योत है। अर्थ की तरण नम्माल को तर्दा है। व	
	(3) To set the priority of the email		
	(4) To format the email text	n jer i krijaj na i nasti i jeden ka saddigamen ati i ili i kali kriji jed nasti prada nastek ba dilika i indiri k	
75.	What does the acronym ' IM' stand for	or in internet communication?	
	(1) Instant Messaging	(2) Internet Messaging	
	(3) International Messaging	(4) Internal Messaging	
	Choose the correct antonym (oppo	osite) for the word 'CORDIAL' given from the	
. (1) Unfriendly	(2) Sweet	
(:	3) Affable	(4) Frigid	
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	Choose the correct synonym for the word 'STRIFE' given from the options below:
77.	(2) Page
	(1) Concord
	(3) Truce (4) Battle
78.	Which of the following will be the correct sentence in passive voice?
	Active Voice: They sun-dried the fenugreek leaves to make spices.
	(1) The spices were made by sun-dried fenugreek leaves.
. '	(2) The fenugreek leaves were sun-dried to make spices.
	(3) They made the spices by sun-drying the fenugreek leaves.
	(4) The sun-dried fenugreek leaves were used for making species.
79.	Which of the following will be the correct sentence in passive voice?
	Active Voice: I saw the thief leaving the house.
	(1) The theif was seen to be leaving the house.
	(2) Leaving the house, I saw the theif.
	(3) The theif had been seen leaving the house
	(4) The theif was seen leaving the house by me.
80.	Spot the error:
	Two hours after its (a) / take-off, the flight reached (b) / Mumbai Airport, when (c) / it
	stopped for a short Interval (d)
	(1) a (2) b
7 · · ·	(3) c (4) d
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81.	While four of them surrendered, the	hree others (a) / escaped under the cover of heavy Kupwara district, about 70km from state capital
	(1) a	(2) No Error
	(3) b	(2) No Error (4) c
82.	Three of four words given in this qu correctly:	estion are spelt wrong. Select the word that is spelt
	(1) irelevant	(2) irrelevent
	(3) irrelevant	(4) irrellevant
83.	talented, she is highly successful. (1) yet (3) however	(2) despite(4) in spite
84.	Fill in the blank with an appropriate illiterate, he managed to achieve succ	preposition or conjunction he was an ess through hardwork
	(1) In spite of	(2) Despite
		(4) Although
85.]	Fill in the blank with an appropriate to	ense.
	Only one of the boys r	ot done the home-work given yesterday.
(1) have	(2) has
	3) can	(4) could
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86.	Select the correct transformation of the following direct speech to indirect.
	He said, "I will go to college tomorrow".
	(1) He said that he would go to college the next day.
	(2) He says that he would go to college the next day.
	(3) He says that he would go to college tomorrow.
	(4) He said that he would go to college tomorrow.
87.	Select the correct transformation of the following direct speech to indirect.
	He said to me, "Why are you troubling me?"
	(1) He asked me why am I troubling him.
	(2) He asked me why have I been troubling him.
	(3) He asked me why I was troubling him.
	(4) He asked me why was I troubling him.
88.	Choose the correct spelling:
	(1) Perceved (2) Perceived
	(3) Perseived (4) Percieved
89.	Out of given alternatives, choose the word which can be substituted for the given word/sentence.
	The action or an instance of making a judgment about something.
	(1) Assessment (2) Conservation
	(3) Evolving . (4) Chaos
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90.	Out of given alternatives, choose the word which can be substituted for the given word/sentence.
	The act of using someone or something unfairly for your own advantage.
	(1) Evolving (2) Severity
	(3) Exploitation (4) Bolster
91.	Out of given alternatives, choose the word which can be substituted for the given word/sentence.
	Satisfactory or acceptable in quality or quantity.
	(1) Restoration (2) Adequate
	(1) Restoration (2) Adequate (3) Recognizing (4) Spanning
92.	The question below contains four scattered segments of a sentence. Indicate the sequence which correctly assembles the segments and completes the sentence:
3	(a) his contribution to the (b) completely ignored as soon
	(c) as he retired from work (d) field of astronomy were
•	(1) acbd (2) bacd
17	(3) abdc (4) adbc
93.	Rearrange the following jumbled sentences to make a meaningful one:
	(P) are inhibiting progress
	(Q) they look for creative
	(R) rather than the conventional solution of outsourcing
	(C) colutions to the west 1
	(3) QSPR (4) OPPS
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94. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

As people return to life and work post the lockdown, some predictions point to a mad rush to do even more than before. Travel more, buy more, meet more people, eat out more -do more of more. Much more is anticipated from the State. Some see it as an opportunity to overtake China.

- (1) The government too is expected to do more to restore economic growth and livelihoods.
- (2) One pathway is to shift from a mindset of scarcity to a mindset of abundance.
- (3) Last but not least, let's unlock our spiritual treasure trove.
- (4) Neurosciences and behavioural sciences increasingly corroborate this ancient wisdom
- 95. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

The fragmentation of the anti-XYZ vote now gives a clear edge to the incumbent party. But beyond the arithmetic, the collapse of the possible alliance in Delhi sends out two messages. It reinforces XYZ's narrative that opposition parties are weak and squabbling, dominated by narrow interests And while seven seats may not be a lot, the battle in Delhi has always been symbolic and watched widely across the country. While calling it a bellwether state may be somewhat of an exaggeration, the party which wins Delhi has usually done well nationally.

- (1) with so much commons
- (2) without commons
- (3) with little in common
- (4) with ecstasy

Directions (Q. Nos. 96 to 100): Read the following comprehension and answer the questions based on it.

A balanced diet means getting the right types and amounts of foods and drinks to supply nutrition and energy for maintaining body cells, tissues, and organs, and for supporting normal growth and development. Eating a balanced diet means choosing a wide variety of foods and drinks from all the food groups. It also means eating certain things in moderation, namely saturated fat, trans fat, cholesterol, refined sugar, salt and alcohol. The goal is to take in nutrients you need for health at the recommended levels. Your balanced diet must be planned at your own calorie level, and portion size is key. You want to get the most nutrients for the calories by choosing food with a high-nutrient density. Nutrient-dense foods provide substantial amounts of vitamins and minerals and relatively few calories, such as fresh fruit and vegetables, lean meat and fish, and whole grains and beans. Low-nutrient dense foods have few vitamins but lots of calories, such as candy bars, soda, donuts and onion rings. Nutrition guidelines recommend eating a wide variety of foods. But, there's a school of thought that eating variety of foods leads to overeating. There is the tendency to stay hungry longer and eat more food when flavors are diverse and keep changing because we fill up on fewer calories when flavor variety is controlled. We have seen this principle in action when we come home with a load of groceries and want to sample the. wide variety of tasty foods.

- 96. Which two categories of food mentioned in the passage are opposite to each other in nutritional values?
 - (1) The two food categories are 'Nutrient-dense foods' and 'low-nutrient dense foods.
 - (2) The two food categories are 'A balanced diet' and 'A unbalanced diet'.
 - (3) The two food categories are 'A high calorie food' and 'A low calorie food'.
 - (4) The two food categories are 'A high sugar food' and 'A sugar-free food'.
- 97. Which word in the passage means the same as adequate?
 - (1) Over-eating

(2) Refined

(3) Recommended

(4) Substantial

UG-EE-June, 2024/(BCA-4 Yr.)(SET-Z)/(A)

A balanced diet means: 98.

- (1) a diet consisting of the right kind and quantity of food for carrying out growth, development and body functions.
- (2) a diet consisting of a particular range of food stuffs which provide energy for body to carry out its functions.
- (3) a diet consisting of a large amount of calories required to carry out the body functions.
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How does eating a variety of foods lead to over-eating?

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What does the phrase a school of thought' mean? 100.

- (1) It means a school which is started by great thinkers and philosophers.
- (2) It means a school where it is taught how to think and meditate.
- (3) It means a school where thoughts are put into practice.
- (4) It means a particular idea or set of ideas held by a specific group.

Total No. of Printed Pages: 21

(DO NOT OPEN THIS QUESTION BOOKLET BEFORE TIME OR UNTIL YOU

В

ARE ASKED TO DO SO)

SET-Z

UG-EE-June, 2024

SUBJECT: BCA (4 Year)

10354

Time: 11/4 Hours	Max. Marks : 100	Total Questions: 100
Roll No. (in figures)	(in words)	
Name	Date of Birth	
Father's Name	Mother's Name	
Date of Examination		
(Signature of the Candidate)		(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

- 1. All questions are compulsory.
- 2. The candidates *must return* the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- 3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
- 5. The candidate *must not* do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers *must not* be ticked in the question booklet.
- 6. There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
- 7. Use only Black or Blue Ball Point Pen of good quality in the OMR Answer-Sheet.
- 8. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.

1.	Spot the error:	· Julian na in Britania
		others (a) / escaped under the cover of heavy
	firing at Handwara (b) / in the Kup	owara district, about 70km from state capital
	Srinagar (c)	
	(1) a	(2) No Error
	(3) b	(4) c
2.	Three of four words given in this questi	on are spelt wrong. Select the word that is spelt
	correctly:	Barran de la companya
		(2) irrelevent
	(3) irrelevant	(4) irrellevant
3.	Fill in the blank with an appropriate	preposition or conjunction. She is not very
	talented, she is highly success	ssful.
	(1) yet	(2) despite
	(3) however	(4) in spite
		egyw an i bornes gare and i 💆 🧏
4.		eposition or conjunction he was an
	illiterate, he managed to achieve succes	s through hardwork.
	(1) In spite of	(2) Despite
	(3) As if	(4) Although
5.	Fill in the blank with an appropriate ten	se.
	Only one of the boys no	t done the home-work given yesterday.
	(1) have	(2) has
= " .	(3) can	(4) could
UG-EE	-June, 2024/(BCA-4 Yr.)(SET-Z)/(B)	P.T.C

6.	Select the correct transformation of the following direct speech to indirect.
0.	He said, "I will go to college tomorrow".
, ija	(1) He said that he would go to college the next day.
	(2) He says that he would go to college the next day.
	(3) He says that he would go to college tomorrow.
	(4) He said that he would go to college tomorrow.
7.	Select the correct transformation of the following direct speech to indirect.
	He said to me, "Why are you troubling me?"
	(1) He asked me why am I troubling him.
	(2) He asked me why have I been troubling him.
	(3) He asked me why I was troubling him.
	(4) He asked me why was I troubling him.
8.	Choose the correct spelling:
7.5	(1) Perceved (2) Perceived
	(3) Perseived (4) Percieved
9.	Out of given alternatives, choose the word which can be substituted for the given
	word/sentence.
	The action or an instance of making a judgment about something.
	(1) Assessment (2) Conservation
	(3) Evolving (4) Chaos
2_E1	E-June, 2024/(BCA-4 Yr.)(SET-Z)/(B)

10.	Out of given alternative word/sentence.	es, choose the word which can be	substituted for the given
	The act of using someon	e or something unfairly for your own	advantage.
	(1) Evolving	(2) Severity	
	(3) Exploitation	(4) Bolster	ger i berdina jeda i ili ili ili ili ili ili ili ili ili

- 11. In Windows, what is the shortcut key to open Task Manager?
 - (1) Ctrl + Alt + Delete

(2) Ctrl + Shift + Esc

(3) Alt + F4

- (4) Ctrl + Esc
- 12. Which part of an email address comes after the '@' symbol?
 - (1) Username

(2) Domain name

(3) Subject

- (4) Service Provider Name
- 13. Which of the following is not a web browser?
 - (1) Google Chrome

(2) Mozilla Firefox

(3) Microsoft Edge

- (4) Ubuntu
- 14. What is the purpose of "Bcc" (Blind Carbon Copy) field in an email?
 - (1) To send a copy of the email to additional recipients without their address being visible to other recipients
 - (2) To attach files to the email
 - (3) To set the priority of the email
 - (4) To format the email text
- 15. What does the acronym 'IM' stand for in internet communication?
 - (1) Instant Messaging

- (2) Internet Messaging
- (3) International Messaging
- (4) Internal Messaging

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16.	Choose the correct antonym (opposite) for the word 'CORDIAL' given from the
	options below:
	(1) Unfriendly (2) Sweet
	(3) Affable (4) Frigid
17.	. Choose the correct synonym for the word 'STRIFE' given from the options below:
	(1) Concord (2) Peace
	(3) Truce (4) Battle
18.	Which of the following will be the correct sentence in passive voice?
	Active Voice: They sun-dried the fenugreek leaves to make spices.
	(1) The spices were made by sun-dried fenugreek leaves.
	(2) The fenugreek leaves were sun-dried to make spices.
	(3) They made the spices by sun-drying the fenugreek leaves.
	(4) The sun-dried fenugreek leaves were used for making species.
9.	Which of the following will be the correct sentence in passive voice?
	Active Voice: I saw the thief leaving the house.
	(1) The theif was seen to be leaving the house.
	(2) Leaving the house, I saw the theif.
	(3) The theif had been seen leaving the house
	(4) The theif was seen leaving the house by me.

20.	Spot	the	error	
				•

Two hours after its (a) / take-off, tl	he flight reached	d (b) / Mumbai	Airport, when	n (c) / it
stopped for a short Interval (d)				

(1) a

(2) b

(3) c

(4) d

21. Out of given alternatives, choose the word which can be substituted for the given word/sentence.

Satisfactory or acceptable in quality or quantity.

(1) Restoration

(2) Adequate

(3) Recognizing

- (4) Spanning
- 22. The question below contains four scattered segments of a sentence. Indicate the sequence which correctly assembles the segments and completes the sentence:
 - (a) his contribution to the
- (b) completely ignored as soon
- (c) as he retired from work
- (d) field of astronomy were

(1) a c b d

(2) bacd

(3) abdc

- (4) adbc
- 23. Rearrange the following jumbled sentences to make a meaningful one:
 - (P) are inhibiting progress
 - (Q) they look for creative
 - (R) rather than the conventional solution of outsourcing
 - (S) solutions to the problems that
 - (1) SRQP

(2) PQRS

(3) QSPR

(4) QRPS

24. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

As people return to life and work post the lockdown, some predictions point to a mad rush to do even more than before. Travel more, buy more, meet more people, eat out more -do more of more. Much more is anticipated from the State. Some see it as an opportunity to overtake China.

- (1) The government too is expected to do more to restore economic growth and livelihoods.
- (2) One pathway is to shift from a mindset of scarcity to a mindset of abundance.
- (3) Last but not least, let's unlock our spiritual treasure trove.
- (4) Neurosciences and behavioural sciences increasingly corroborate this ancient wisdom
- 25. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

The fragmentation of the anti-XYZ vote now gives a clear edge to the incumbent party. But beyond the arithmetic, the collapse of the possible alliance in Delhi sends out two messages. It reinforces XYZ's narrative that opposition parties are weak and squabbling, dominated by narrow interests And while seven seats may not be a lot, the battle in Delhi has always been symbolic and watched widely across the country. While calling it a bellwether state may be somewhat of an exaggeration, the party which wins Delhi has usually done well nationally.

- (1) with so much commons
- (2) without commons
- (3) with little in common
- (4) with ecstasy

Directions (Q. Nos. 26 to 30): Read the following comprehension and answer the questions based on it.

A balanced diet means getting the right types and amounts of foods and drinks to supply nutrition and energy for maintaining body cells, tissues, and organs, and for supporting normal growth and development. Eating a balanced diet means choosing a wide variety of foods and drinks from all the food groups. It also means eating certain things in moderation, namely saturated fat, trans fat, cholesterol, refined sugar, salt and alcohol. The goal is to take in nutrients you need for health at the recommended levels. Your balanced diet must be planned at your own calorie level, and portion size is key. You want to get the most nutrients for the calories by choosing food with a high-nutrient density. Nutrient-dense foods provide substantial amounts of vitamins and minerals and relatively few calories, such as fresh fruit and vegetables, lean meat and fish, and whole grains and beans. Low-nutrient dense foods have few vitamins but lots of calories, such as candy bars, soda, donuts and onion rings. Nutrition guidelines recommend eating a wide variety of foods. But, there's a school of thought that eating variety of foods leads to overeating. There is the tendency to stay hungry longer and eat more food when flavors are diverse and keep changing because we fill up on fewer calories when flavor variety is controlled. We have seen this principle in action when we come home with a load of groceries and want to sample the. wide variety of tasty foods.

- 26. Which two categories of food mentioned in the passage are opposite to each other in nutritional values?
 - (1) The two food categories are 'Nutrient-dense foods' and 'low-nutrient dense foods.
 - (2) The two food categories are 'A balanced diet' and 'A unbalanced diet'.
 - (3) The two food categories are 'A high calorie food' and 'A low calorie food'.
 - (4) The two food categories are 'A high sugar food' and 'A sugar-free food'.
- 27. Which word in the passage means the same as adequate?
 - (1) Over-eating

(2) Refined

(3) Recommended

(4) Substantial

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28. A balanced diet means:

- (1) a diet consisting of the right kind and quantity of food for carrying out growth, development and body functions.
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30. What does the phrase a school of thought mean?

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- (2) It means a school where it is taught how to think and meditate.
- (3) It means a school where thoughts are put into practice.
- (4) It means a particular idea or set of ideas held by a specific group.

31. What is the symbol of Gold?

(1) Ag

(2) Au

(3) Ca

(4) G

32 ;	Who invented the telephone?	to the second control of the second to	
	(1) Marie Curie	(2) Mark Marturello	
	(3) Alexander Graham Bell	(4) Nikola Tesla	
33.	What is the national animal of India?	day again as a than year and a did a section	
	(1) Dolphi	(2) Parrot	
	(3) Lion	(4) Bengal Tiger	
34.	What is the minimum age for becoming	a Lok Sabha candidate?	
	(1) 27	(2) 25	,
	(3) 26	(4) 28	
35.	Who was the first election commissioner	of India?	
	(1) Sukumar Sen	(2) Rajiv Kumar	
	(3) Om Birla	(4) Dhananjaya	
36.	What is a "free throw" commonly associ	ated with?	
ran egy	(1) Football	(2) Badminton	
en	(3) Basketball	(4) Cricket	
37.	Which day is celebrated as World Press	Freedom Day?	
	(1) 10 April	(2) 15 February	
~ pr pr	(3) 18 December	(4) 3 May	
38.	Who is the author of the famous book "V	Ve the People"?	
	(1) Kushwant Singh	(2) Charles Dickens	
	(3) Emily Bronte	(4) Nani Palkhivala	
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39.	Who appoints the Advoca	ite General of	each state of India?		
	(1) President		(2) Governor of a		
	(3) Prime Minister	- 1	(4) Solicitor Gene		
40.	Who has been appointed a	as the new Ch	ief of Research and A	Analysis Wing(RA	W) ?
	(1) Ravi Sinha		(2) Tapan Kumar		•
	(3) Ravindra Kaushik	·	(4) Ajay Kumar Si	ngh	
41.	Find the third proportiona	l to the numbe	ers 5 and 10.		
	(1) 20	· // 5	(2) 2.5	· · · ·	
	(3) 25		(4) 30	, , ,	
42.	Ratio of boys to the girls number of students in the	s in a class is	s 5: 4. Which of th	e following cannot	be the
	(1) 45	ritar i di di masa	(2) 72	. 0 42	vo hel
	(3) 108		(4) 98		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
43.	In an educational institution increased by 20% and numbers than girls. How many	mber of girls	is increased by 15%	6 there would be 2	
	(1) 250		(2) 255		
	(3) 230	,	(4) 220		
44.	Two oranges, three banan and one apple cost Rs.10. pay? (1) Rs. 15		anges, 3 bananas and		
	(3) Rs. 10		(4) Cannot be dete	rmined	
L.FI	E-June. 2024/(BCA-4 Yr.)	(SET-Z)/(B)		The state of the state of	

					(10)43 +(24)48	* /	2\57 g
45.	How many pri	me factors a	are there in the	expression	(12) *(34)	* (.	2) :

(1) 282

(2) 237

(3) 142

(4) 61

Directions (Q. Nos. 46-50): A survey film watching habits of people living in 5 cities I, II, III, IV and V is summarised below. The column (1) gives percentage of film-watchers in each city who see only film a week. The column (2) gives the total number of film-watchers who see more than one film per week. Read the table and answer the questions.

City	(1)	(2)
	50	3200
II	30	3500
i iii	65	7000
IV IV	25	5400
V 100	o 11-11 80 bash 36.	15 STEW 2900 - COSK

			1, 77		
16	How many film-	watchers in City	v II see	only one fil	lm a week?
40.	TIOW IIIany Inin-	Wateriers III Cit	, 11 500	01111	

(1) 900

(2) 1500

(3) 1600

(4) 3200

47. Which city has the highest number of film-watchers who see only film a week?

(1) I

(2) II

(3) III

(4) IV

48. The city with the lowest number of film-watcher is

(1) I

(2) II

(3) IV

(4) V

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	•			
49.	The city with the highest number of	film-v	vat	cher is
	(1) I	(2)	V
	(3) IV	j , (4)	III
50.	is		2)	five cities who see only one film a week 29500 28300
51.	High-capacity computers used prima	rily fo	or 1	research purposes are:
	(1) Microcomputers	- (2)	Minicomputers
	(3) Mainframes	. (4)	Supercomputers
52.	Which piece of hardware do you nee	d to c	on	nect to the internet?
	(1) An ISP Account	11 11 ((2)	A Modem
â., j	(3) A Browser	(3)	(4)	Internet Explorer
53.	Which one of the following is not a	netwo	rk	topology?
	(1) Star with the opening of the structure	Ratifi ((2)	Bus pro subject with a series of the
	(3) Linear		(4)	Ring
54.	topology?	•	ľ	be a part of a wired LAN based on star
	(1)			Repeater
	(3) Hub	Ŧ.,	(4)	Router
	F June 2024/(BCA-4 Yr.)(SET-Z)/	(B)	5	TALL LAND TO STATE OF THE STATE

55.	Which key strokes switch a user windows?	r betv	ween simultaneo	usly runnling	applicat	ions in
	(1) FN + TAB		(2) $ALT + TAE$	3		
	(3) CTRL + TAB		(4) SHIFT + TA	AB		20
56.	Which of the following operating s	system	ns use preemptive	scheduling?		
	(1) Mac OS 8		(2) Window 3.x		- P	
	(3) Windows 95		(4) DOS 6.0			
57.	What does URL stand for?					
	(1) Uniform Resource Locator	$v_j = v_j$				
	(2) Universal Resource Locator		e Rosto Losa in			end.
	(3) Uniform Retrieval Locator					
	(4) Universal Retrieval Locator			·		
58.	Which of the following is non-vola	itile m	emory?	h in sage		.01
	(1) RAM		(2) Cache			
	(3) CPU Register		(4) ROM	- 1		
59.	Which port is typically used to com	nect a	monitor to a com	puter?		
	(1) USB		(2) Ethernet			
	(3) HDMI		(4) Audio Jack			
60.	Which Linux command is used to c	change	e file permission	?		
	(1) chmod		(2) chperm			
	(3) perm		(4) chown			
UG-EF	E-June, 2024/(BCA-4 Yr.)(SET-Z)/	/(B)	in Table			P. T. O

61.	. Which of the following	ng compound is n	nainly used in hand sanitizer?
	(1) Alcohol		(2) Acetic acid
	(3) Aldehyde		(4) Ketone
62.	. Which of the following	ng glands is prese	nt in the human mouth?
	(1) Adrenal	- 41. •	(2) Pituitary
	(3) Gonads	, parki m	(4) Salivary
63.	What is the basic unit	of our neural syst	tem?
	(1) Neutron	· · · · · · · · · · · · · · · · · · ·	(2) Neuron
• "	(3) Nephron		(4) Nucleon
64.	Name the part of the b	ody on which cor	onavirus affects the most?
	(1) Heart	on which con	(2) Liver
	(3) Kidney		(4) Lûngs
65.	About 70% part of the		
	(1) Hydrogen	vertical ()	(2) Oxygen
- ' -	(3) Carbon	6-1-6	(4) Helium
66.	A Universal donor pers	son have a blood	group :
	(1) A	WH. B	(2) AB
	(3) O	Surjeye -	(4) B
67.	Name an instrument wh	nich is used to me	easure the Density of milk?
	(1) Lactometer	18 6	(2) Hydrometer
	(3) Barometer	· wat if	(4) Hygrometer
UG-EE	C-June, 2024/(BCA-4 Y	r.)(SET-Z)/(B)	Lamber of Charles

68.	. Which of the following is/are the sy	mptoms of Black Fungus?
	a. Facial Swelling	b. Nasal Congestion
	c. Headache	
	(1) Only a	(2) Only b
-' ₁ ,	(3) Both b and c	(4) a, b and c
69.	. Which of the following is used in pe	ncils?
	(1) Silicon	(2) Graphite
	(3) Charcoal	(4) Phosphorous
70.	The gas usually filled in the electric	bulb:
	(1) Hydrogen	(2) Oxygen
450	(3) Nitrogen	(4) Carbon dioxide
71.	If PINK is coded as 1691411, then I	RED will be coded as:
	(1) 1963	(2) 1853
	(3) 1854	(4) 1954
72.	Which of the following is the odd on	e from the given alternatives?
•	(1) Diving	(2) Driving
	(3) Swimming	(4) Sailing
73.	Which of the following pairs of word	Is are differently related?
	(1) Kind: cruel	(2) Stale: fresh
1	(3) slow: sluggish	(4) Truth: lie
74.	Drama: Stage:: Tennis:	
	(1) Court	(2) Net
	(3) Tournament	(4) Racket
_FI	E-June. 2024/(BCA-4 Yr.)(SET-Z)/(J	P. T. C

75	The day before vesterday was Saturday	What 11 1 - 41 1	B
	The day before yesterday was Saturday(1) Wednesday	(2) Monday	ay after tomorrow?
	(3) Friday	(4) Thursday	
76.	Look at the series: 36, 34, 30, 28, 24,	What number should	d corne nove o
	(1) 26	(2) 20	d come next ?
	(3) 23	(4) 22	
77.	Which word is odd one out?		
	(1) fondness	(2) Liking	
	(3) hate	(4) Attachment	
78.	Pointing to a photograph of a boy Sur mother". How is Suresh related to that b	esh said, "He is the	son of the only son of my
	(1) Uncle	(2) Brother	
	(3) Cousin	(4) Father	
79.	The sum of ages of 4 friends A,B,C and ages after 5 years later?	D is 70 Years. Wha	t would be the total of their
	(1) 90	(2) 85	
	(3) 75	(4) 65	
	A man walks 1km to East and then he to East and walks 2km. After this he turdirection he is from starting point?	arns to South and warns to North and w	alks 5 km. Again he turns to alks 9 km. Now, in which
	(1) North	(2) South	
((3) North-East	(4) West	
UG-EE-	June, 2024/(BCA-4 Yr.)(SET-Z)/(B)	(the Prick of	For Brings. while the

81.	The averages of square of	natural numbe	rs from 1 t	o 35 is	where production will
	(1) 436	dent es si	(2) 426	<u>,</u>	() 1 Ks. 150
	(3) 416		(4) 446	• *	Property of the Y
82.	If A takes 4h to cover a d	listance and he	is 2 times	faster than F	I then what time will B
	take to cover the same dis		. 111. 1. 116		of span OV of B
	(1) 6 h		(2) 8 h		calculation
	(3) 9 h	ag tahi ja	(4) None	of them	
83.	A motor car does a journ	ey in 9 h, the f	irst half at	12 km/h and	second half at 15km/h.
	Find the distance.				6 orthographics in the
	(1) 120 km		(2) 100 k	am .	0 (1)
	(3) 124 km	57.0	(4) 96 km	\mathbf{n}_{i}	- Services
84. A man is walking at a speed of 9 km/h. After every km he takes rest for 9 much time will he take to cover a distance of 27 km?					
	(1) 6 h	and the same	(2) 6 h 4	5 min	1 24 1
	(3) 6 h 54 min	6217	(4) 6 h 3	5 min	2000
85.	At what rate of interest p	er annum will a	sum beco	mes 5 times	in 20 years at SI?
	(1) 20%	min di	(2) 16%		1) 20 7,5
	(3) 25%		(4) 10%		1001 77
86	The difference between 5% for 2 yr is Rs. 1.50.				erest on a certain sum at
20	(1) Rs. 600	w.	(2) Rs. 5	500	40081 (1)
	(3) Rs. 400	in the second of	(4) Rs. 3	300	100 (4)
UG-	EE-June, 2024/(BCA-4 Yr	.)(SET-Z)/(B)	H)(X	THEH. IT I	A 18) #201, and P.T. C

87.	What principal will amou	int to Rs. 1352	in 2 year	s at 4% compound i	nterest?
	(1) Rs. 1520		(2) Rs.	1260	
	(3) Rs. 1250		(4) Rs.	1220	
88.	A and B can do a piece of do it in 90 days. In what				days; A and C can
	(1) 150 days	and.	(2) 120) days	
	(3) 100 days		(4) 80	days	
89.	. A can do a certain job in it takes to do the same pi		1. 11		ne number of days,
	(1) 6		(2) 25/	4	Set Set 12
	(3) 15/2	r god die soo	(4) 8		eet si saa
90.	. A pipe can fill a tank in full, how much time will		EVENTY PERMIT		8 h. If the tank is
	(1) 24 h	anorchall (L	(2) 20	h	
	(3) 18 h	ind Participa	(4) 12	h	er la
91.	. The sum of first 20 odd	counting numbe	ers is:	nihan kaparènaké	
	(1) 20	or or the	- 11		
	(3) 400	41	(4) 31	3	S. E. S. C.
92.	. The positive integer w	hich is nearest	to 100	0 and divisible by	2, 3, 4, 5 and 6
	(1) 1020		(2) 10	40	Har La Ja
	(3) 960		(4) 10	30	*1 * 20

93.	How many times is the HCF of 48, 36, 72 and 24 contained in their LCM?
	(1) 12 (2) 10
	(3) 24 (4) 14
94.	The LCM of 5, 8, 12, 20 will not be a multiple of
el ibi	(1), 3 % on the man of the control (2), 9
	(3) 8 (4) 5
95.	A man sold 250 chairs and had a gain equal to the selling price of 50 chairs. His profit
	percentage is
	(1) 25%
j	(3) 5% : 103 : 200 : 200 : (4) 50%
96.	In an election between two candidates, one got 55% of total valid votes. 20% of the votes were invalid. If the total number of votes were 7500, the number of valid votes
	that the other candidates got were
	(1) 2700 (2) 2900
	(3) 3000 (4) 3100
97.	A man's basic pay for a 40h week is Rs. 20. Overtime is paid for at 25% above the basic rate. In a certain week, he worked overtime and his total wage as Rs. 25. He
	therefore, worked for a total of
	(1) 45h (2) 47h
	(3) 48h (4) 50h
J G- E	E-June. 2024/(BCA-4 Yr.)(SET-Z)/(B)

	percentage is		
	(1) 20%	(2)	25%
	(3) 16%	141	30%
99.	A dealers makes a profit of 20% by sel	lling	an article. What would be the percentage
	change in the profit percent if he had p	paid	20% less for it and the current paid 10%
	more for it?		
ing.	(1) 225%	(2)	125%
	(3) 200%	(4)	160%
100.	The average weight of a class of 29 stu- included, the average rises by 500g. Wha		ts is 40kg. If the weight of the teacher be the weight of the teacher?
	. It was the first of the interestive	.24.11.	
	(1) 40.5 kg	(2)	50.5 kg
	(3) 45 kg	(4)	55 kg
	(3) 4940	Y ·	
			Mine (a)
			The state of the s
T of	of an activities of the specialization of	2 50	he will be the small than the same of the
			THE RESERVE OF THE PROPERTY OF

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98. If the cost price of 36 books is equal to the selling price of 30 books, then the gain

bė

Total No. of Printed Pages: 21

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ARE ASKED TO DO SO)

SET-Z

UG-EE-June, 2024

SUBJECT : BCA (4 Year)

10379 Sr. No.

Max. Marks : 100	Total Questions: 100
(in words)	
Date of Birth	
Mother's Name	
	(Signature of the Invigilator)
	(in words) Date of Birth Mother's Name

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- 1. All questions are compulsory.
- 2. The candidates *must return* the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- **3.** Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
- 5. The candidate *must not* do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers *must not* be ticked in the question booklet.
- 6. There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
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EAL

1. Which of the following compound is mainly used in hand saniti		l is mainly used in hand sanitizer?			
	(1) Alcohol	(2) Acetic acid			
	(3) Aldehyde	(4) Ketone			
2.	Which of the following glands is	Which of the following glands is present in the human mouth?			
	(1) Adrenal	(2) Pituitary			
	(3) Gonads	(4) Salivary			
3.	. What is the basic unit of our neural system?				
	(1) Neutron	(2) Neuron			
	(3) Nephron	(4) Nucleon			
4.	4. Name the part of the body on which coronavirus affects the most?				
	(1) Heart	(2) Liver			
	(3) Kidney	(4) Lungs			
5.	5. About 70% part of the sun is made up of:				
	(1) Hydrogen	(2) Oxygen			
	(3) Carbon	(4) Helium			
6.	A Universal donor person have a	blood group :			
	(1) A	(2) AB			
	(3) O	(4) B			
7.	Name an instrument which is use	d to measure the Density of milk?			
	(1) Lactometer	(2) Hydrometer			
	(3) Barometer	(4) Hygrometer			

8.	Which of the following is/are the	Cymptons - CDL 1 D
	a. Facial Swelling	
	c. Headache	b. Nasal Congestion
	(1) Only a	(2) Only b
	(3) Both b and c	(4) a, b and c
9. Which of the following is used in pencils?		
	(1) Silicon	(2) Graphite
	(3) Charcoal	(4) Phosphorous
10.	The gas usually filled in the electron	
	(1) Hydrogen	(2) Oxygen
	(3) Nitrogen	(4) Carbon dioxide
11.	Find the third proportional to the	numbers 5 and 10
	(1) 20	(2) 2.5
	(3) 25	(4) 30
12.	Ratio of boys to the girls in a c number of students in the class?	lass is 5: 4. Which of the following cannot be the
	(1) 45	(2) 72
	(3) 108	(4) 98
13.	In an educational institution there increased by 20% and number of boys than girls. How many student	are 15 more boys than girls. If the number of boys is girls is increased by 15% there would be 29 more ts are there in the institution?
	(1) 250	(2) 255
	(3) 230	(4) 220

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(1) Rs. 15

C

(2) Rs. 8

(3) Rs. 10

(4) Cannot be determined

15. How many prime factors are there in the expression $(12)^{43} * (34)^{48} * (2)^{57}$?

(1) 282

(2) 237

(3) 142

(4) 61

Directions (Q. Nos. 16-20): A survey film watching habits of people living in 5 cities I, II, III, IV and V is summarised below. The column (1) gives percentage of film-watchers in each city who see only film a week. The column (2) gives the total number of film-watchers who see more than one film per week. Read the table and answer the questions.

City	(1)	(2)	
I	50	3200	
II	30	3500	
III	65	7000	
IV	25	5400	
V	80	2900	

- **16.** How many film-watchers in City II see only one film a week?
 - (1) 900

(2) 1500

(3) 1600

- (4) 3200
- 17. Which city has the highest number of film-watchers who see only film a week?
 - (1) I

(2) II

(3) III

(4) IV

25

22. Three of four words given in this question are spelt wrong. Select the word that is spelt correctly:

(1) irelevant

(2) irrelevent

(3) irrelevant

(4) irrellevant

23. Fill in the blank with an appropriate preposition or conjunction. She is not very talented, she is highly successful.

(1) yet

(2) despite

(3) however

(4) in spite

24.		blank with an appropriate preposition or conjunction he was an he managed to achieve success through hardwork.		
	(1) In spite of	(2) Despite		
	(3) As if	(4) Although		
25. Fill in the blank with an appropriate tense.				
	Only one of the boys	not done the home-work given yesterday.		
	(1) have	(2) has		
	(3) can	(4) could		
26.	Select the correct transformation of	of the following direct speech to indirect.		
	He said, "I will go to college tomorrow".			
	(1) He said that he would go to college the next day.			
	(2) He says that he would go to college the next day.			
	(3) He says that he would go to college tomorrow.			
	(4) He said that he would go to c	ollege tomorrow.		
27	. Select the correct transformation	of the following direct speech to indirect.		
	He said to me, "Why are you troubling me?"			
	(1) He asked me why am I troubling him.			
	(2) He asked me why have I bee	n troubling him.		
	(3) He asked me why I was troul	oling him.		
	(4) He asked me why was I troul	oling him.		

28	. Choose the correct spelling:						
	(1) Perceved	(2) Perceived					
	(3) Perseived	(4) Percieved					
29	. Out of given alternatives, choose the word/sentence.	e word which can be substituted for the given					
	The action or an instance of making a judgment about something.						
	(1) Assessment	(2) Conservation					
	(3) Evolving	(4) Chaos					
30	. Out of given alternatives, choose the word/sentence.	word which can be substituted for the given					
	The act of using someone or something	unfairly for your own advantage.					
	(1) Evolving	(2) Severity					
	(3) Exploitation	(4) Bolster					
31.	In Windows, what is the shortcut key to open Task Manager?						
	(1) Ctrl + Alt + Delete	(2) Ctrl + Shift + Esc					
	(3) Alt + F4	(4) Ctrl + Esc					
32.	Which part of an email address comes a	fter the '@' symbol ?					
	(1) Username	(2) Domain name					
	(3) Subject	(4) Service Provider Name					
33.	Which of the following is <i>not</i> a web bro	wser?					
	(1) Google Chrome	(2) Mozilla Firefox					
*	(3) Microsoft Edge	(4) Ubuntu					
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34.	What is the purpose of "Bcc" (I	Blind Carbon Copy) field in an email?
	(1) To send a copy of the envisible to other recipients	ail to additional recipients without their address being
	(2) To attach files to the email	
	(3) To set the priority of the en	mail
	(4) To format the email text	
35.	What does the acronym ' IM' s	tand for in internet communication?
	(1) Instant Messaging	(2) Internet Messaging
	(3) International Messaging	(4) Internal Messaging
36.	Choose the correct antonym options below:	(opposite) for the word 'CORDIAL' given from the
	(1) Unfriendly	(2) Sweet
	(3) Affable	(4) Frigid
37.	. Choose the correct synonym	for the word 'STRIFE' given from the options below:
	(1) Concord	(2) Peace
	(3) Truce	(4) Battle
38	. Which of the following will b	be the correct sentence in passive voice?
	Active Voice: They sun-drie	d the fenugreek leaves to make spices.
	(1) The spices were made by	sun-dried fenugreek leaves.
	(2) The fenugreek leaves we	re sun-dried to make spices.
	(3) They made the spices by	sun-drying the fenugreek leaves.
	(4) The sun-dried fenugreek	leaves were used for making species.

39.	Which of the following will be the	ne correct sentence in passive voice ?
	Active Voice: I saw the thief lea	ving the house.
	(1) The their was seen to be leav	ing the house.
	(2) Leaving the house, I saw the	theif.
	(3) The their had been seen leavi	ing the house
	(4) The theif was seen leaving th	
40.	Spot the error :	
	Two hours after its (a) / take-off,	the flight reached (b) / Mumbai Airport, when (c) / i
	stopped for a short Interval (d)	
	(1) a	(2) b
	(3) c	(4) d
41.	If PINK is coded as 1691411, the	en RED will be coded as:
	(1) 1963	(2) 1853
	(3) 1854	(4) 1954
42.	Which of the following is the odd	one from the given alternatives?
	(1) Diving	(2) Driving
	(3) Swimming	(4) Sailing
43 .	Which of the following pairs of w	ords are differently related?
	(1) Kind: cruel	(2) Stale: fresh
	(3) slow: sluggish	(4) Truth: lie

44.	Drama: Stage:: Tennis:	
	(1) Court	(2) Net
	(3) Tournament	(4) Racket
45.	The day before yesterday was Saturday.	What will be the day after tomorrow?
	(1) Wednesday	(2) Monday
	(3) Friday	(4) Thursday
46.	Look at the series: 36, 34, 30, 28, 24,	What number should corne next?
	(1) 26	(2) 20
	(3) 23	(4) 22
47.	Which word is odd one out?	
	(1) fondness	(2) Liking
	(3) hate	(4) Attachment
48.	Pointing to a photograph of a boy Sure mother". How is Suresh related to that b	esh said, "He is the son of the only son of my oy?
	(1) Uncle	(2) Brother
	(3) Cousin	(4) Father
49.	The sum of ages of 4 friends A,B,C and ages after 5 years later?	D is 70 Years. What would be the total of thei
	(1) 90	(2) 85
	(3) 75	(4) 65

50.	A man walks 1km to East and then he t	urns to South and walks 5 km. Again he turns to
		rns to North and walks 9 km. Now, in which
	direction he is from starting point?	The state of the s
	(1) North	(2) South
	(3) North-East	(4) West
51.	The sum of first 20 odd counting number	ers is :
	(1) 20	(2) 100
	(3) 400	(4) 313
52.	The positive integer which is nearest	t to 1000 and divisible by 2, 3, 4, 5 and 6
	is	
	(1) 1020	(2) 1040
	(3) 960	(4) 1030
53.	How many times is the HCF of 48, 36,	72 and 24 contained in their LCM?
	(1) 12	(2) 10
	(3) 24	(4). 14
54.	The LCM of 5, 8, 12, 20 will not be a m	ultiple of
	(1) 3	(2) 9
	(3) 8	(4) 5
55.	A man sold 250 chairs and had a gain e	equal to the selling price of 50 chairs. His profit
	(1) 25%	(2) 10%
	(3) 5%	(4) 50%
UG-E	E-June, 2024/(BCA-4 Yr.)(SET-Z)/(C)	e * · · · · · · · · · · · · · · · · · ·

P. T. O.

56.	In an election between two candidates, votes were invalid. If the total number	one got 55% of total valid votes. 20% of the of votes were 7500, the number of valid votes
	that the other candidates got were	
	(1) 2700	(2) 2900
	(3) 3000	(4) 3100
57.	A man's basic pay for a 40h week is R	as. 20. Overtime is paid for at 25% above the
		ed overtime and his total wage as Rs. 25. He
	(1) 45h	(2) 47h
	(3) 48h	(4) 50h
58.	If the cost price of 36 books is equal to percentage is	o the selling price of 30 books, then the gain
	(1) 20%	(2) 25%
	(3) 16%	(4) 30%
59.		lling an article. What would be the percentage paid 20% less for it and the current paid 10%
	(1) 225%	(2) 125%
-	(3) 200%	(4) 160%
60.	The average weight of a class of 29 strincluded, the average rises by 500g. Wh	adents is 40kg. If the weight of the teacher be at is the weight of the teacher?
	(1) 40.5 kg	(2) 50.5 kg
	(3) 45 kg	(4) 55 kg
UG-EF	E-June, 2024/(BCA-4 Yr.)(SET-Z)/(C)	P. T. C

What is the symbol of Gold? Ag Ca Who invented the telephone? Marie Curie Alexander Graham Bell	(2) Au(4) G(2) Mark Marturello(4) Nikola Tesla
A) Ag (h) Ag (h) Marie Curie	(4) G(2) Mark Marturello
Tho invented the telephone? Marie Curie	(2) Mark Marturello
) Marie Curie	
) Marie Curie	
3) Alexander Graham Bell	(4) Nikola Tesla
	, ,
hat is the national animal of India?	
) Dolphi	(2) Parrot
) Lion	(4) Bengal Tiger
hat is the minimum age for becoming	a Lok Sabha candidate?
) 27	(2) 25
) 26	(4) 28
ho was the first election commissione	r of India ?
) Sukumar Sen	(2) Rajiv Kumar
) Om Birla	(4) Dhananjaya
hat is a "free throw" commonly associ	ated with ?
Football	(2) Badminton
Basketball	(4) Cricket
nich day is celebrated as World Press	Freedom Day ?
10 April	(2) 15 February
	(4) 3 May
	Dolphi Lion That is the minimum age for becoming 27 26 ho was the first election commissione Sukumar Sen Om Birla hat is a "free throw" commonly association football Basketball hich day is celebrated as World Press

P. T. O.

68.	Who is the author of the famous book "We the People"?		
	(1) Kushwant Singh	(2) Charles Dickens	
	(3) Emily Bronte	(4) Nani Palkhivala	
69.	Who appoints the Advocate General of each state of India?		
	(1) President	(2) Governor of a state	
	(3) Prime Minister	(4) Solicitor General	
70.	Who has been appointed as the new Chi-	ef of Research and Analysis Wing(RAW)?	
	(1) Ravi Sinha	(2) Tapan Kumar Deka	
	(3) Ravindra Kaushik	(4) Ajay Kumar Singh	
71.	The averages of square of natural number	ers from 1 to 35 is	
	(1) 436	(2) 426	
	(3) 416	(4) 446	
72.	If A takes 4h to cover a distance and he	e is 2 times faster than B, then what time will B	
	take to cover the same distance?		
	(1) 6 h	(2) 8 h	
	(3) 9 h	(4) None of them	
73	A motor car does a journey in 9 h, the	first half at 12 km/h and second half at 15km/h.	
	Find the distance.		
v	(1) 120 km	(2) 100 km	
	(3) 124 km	(4) 96 km	

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74.	A man is walking at a speed of 9 km/h. After every km he takes rest for 9 min. How much time will he take to cover a distance of 27 km?		
	(1) 6 h	(2) 6 h 45 min	
	(3) 6 h 54 min	(4) 6 h 35 min	
75.	At what rate of interest per annum will a	a sum becomes 5 times in 20 years at SI?	
	(1) 20%	(2) 16%	
	(3) 25%	(4) 10%	
76.	6. The difference between the compound interest and simple interest on a certain sum at 5% for 2 yr is Rs. 1.50. Tlie sum is		
	(1) Rs. 600		
		(2) Rs. 500	
	(3) Rs. 400	(4) Rs. 300	
77.	What principal will amount to Rs. 1352	in 2 years at 4% compound interest?	
	(1) Rs. 1520	(2) Rs. 1260	
	(3) Rs. 1250	(4) Rs. 1220	
78.	8. A and B can do a piece of work in 72 days; B and C can do it in 120 days; A and C c		
	do it in 90 days. In what time can A alone do it?		
	(1) 150 days	(2) 120 days	
	(3) 100 days	(4) 80 days	
79.	A can do a certain job in 12 days. B is 6 it takes to do the same piece of work, is	0% more efficient than A. The number of days,	
	(1) 6	(2) 25/4	
	(3) 15/2	(4) 8	

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80.	A pipe can fill a tank in 6 h. Due to leak in the bottom it is filled in 8 h. If the tank is full, how much time will the leak take to empty it?		
	(1) 24 h	(2) 20 h	
	(3) 18 h	(4) 12 h	
81.	Out of given alternatives, choose the word which can be substituted for the given word/sentence.		
	Satisfactory or acceptable in quality or quantity.		
	(1) Restoration	(2) Adequate	
	(3) Recognizing	(4) Spanning	
82.	2. The question below contains four scattered segments of a sentence. Indicate the sequence which correctly assembles the segments and completes the sentence:		
	(a) his contribution to the	(b) completely ignored as soon	
	(c) as he retired from work	(d) field of astronomy were	
	(1) a c b d	(2) bacd	
	(3) a b d c	(4) a d b c	
83.	Rearrange the following jumbled senten	ces to make a meaningful one :	
	(P) are inhibiting progress		
	(Q) they look for creative		
	(R) rather than the conventional solution	n of outsourcing	
	(S) solutions to the problems that		
	(1) SRQP	(2) PQRS	
	(3) QSPR	(4) QRPS	

84. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

As people return to life and work post the lockdown, some predictions point to a mad rush to do even more than before. Travel more, buy more, meet more people, eat out more -do more of more. Much more is anticipated from the State. Some see it as an opportunity to overtake China.

- (1) The government too is expected to do more to restore economic growth and livelihoods.
- (2) One pathway is to shift from a mindset of scarcity to a mindset of abundance.
- (3) Last but not least, let's unlock our spiritual treasure trove.
- (4) Neurosciences and behavioural sciences increasingly corroborate this ancient wisdom
- **85.** In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

The fragmentation of the anti-XYZ vote now gives a clear edge to the incumbent party. But beyond the arithmetic, the collapse of the possible alliance in Delhi sends out two messages. It reinforces XYZ's narrative that opposition parties are weak and squabbling, dominated by narrow interests And while seven seats may not be a lot, the battle in Delhi has always been symbolic and watched widely across the country. While calling it a bellwether state may be somewhat of an exaggeration, the party which wins Delhi has usually done well nationally.

- (1) with so much commons
- (2) without commons
- (3) with little in common
- (4) with ecstasy

Directions (Q. Nos. 86 to 90): Read the following comprehension and answer the questions based on it.

A balanced diet means getting the right types and amounts of foods and drinks to supply nutrition and energy for maintaining body cells, tissues, and organs, and for supporting normal growth and development. Eating a balanced diet means choosing a wide variety of foods and drinks from all the food groups. It also means eating certain things in moderation, namely saturated fat, trans fat, cholesterol, refined sugar, salt and alcohol. The goal is to take in nutrients you need for health at the recommended levels. Your balanced diet must be planned at your own calorie level, and portion size is key. You want to get the most nutrients for the calories by choosing food with a high-nutrient density. Nutrient-dense foods provide substantial amounts of vitamins and minerals and relatively few calories, such as fresh fruit and vegetables, lean meat and fish, and whole grains and beans. Low-nutrient dense foods have few vitamins but lots of calories, such as candy bars, soda, donuts and onion rings. Nutrition guidelines recommend eating a wide variety of foods. But, there's a school of thought that eating variety of foods leads to overeating. There is the tendency to stay hungry longer and eat more food when flavors are diverse and keep changing because we fill up on fewer calories when flavor variety is controlled. We have seen this principle in action when we come home with a load of groceries and want to sample the. wide variety of tasty foods.

- **86.** Which two categories of food mentioned in the passage are opposite to each other in nutritional values?
 - (1) The two food categories are 'Nutrient-dense foods' and 'low-nutrient dense foods.
 - (2) The two food categories are 'A balanced diet' and 'A unbalanced diet'.
 - (3) The two food categories are 'A high calorie food' and 'A low calorie food'.
 - (4) The two food categories are 'A high sugar food' and 'A sugar-free food'.
- 87. Which word in the passage means the same as adequate?
 - (1) Over-eating

C

C

(2) Refined

(3) Recommended

(4) Substantial

88. A balanced diet means:

- (1) a diet consisting of the right kind and quantity of food for carrying out growth, development and body functions.
- (2) a diet consisting of a particular range of food stuffs which provide energy for body to carry out its functions.
- (3) a diet consisting of a large amount of calories required to carry out the body functions.
- (4) a diet consisting of vitamins and minerals which are necessary for the body.

89. How does eating a variety of foods lead to over-eating?

- (1) People cannot manage the portion size of food items which can result in over eating.
- (2) People tend to indulge in tasting more flavors which can result in over-eating.
- (3) People tend to eat more of calorie laden food which results in over-eating.
- (4) People tend to eat more food thinking that it would make their diet balanced and this results in over-eating.
- **90.** What does the phrase a school of thought' mean?
 - (1) It means a school which is started by great thinkers and philosophers.
 - (2) It means a school where it is taught how to think and meditate.
 - (3) It means a school where thoughts are put into practice.
 - (4) It means a particular idea or set of ideas held by a specific group.
- **91.** High-capacity computers used primarily for research purposes are :
 - (1) Microcomputers

(2) Minicomputers

(3) Mainframes

(4) Supercomputers

;		
a 2.	need to connect to the internet?	
30.	(1) An ISP Account	(2) A Modem
	(3) A Browser	(4) Internet Explorer
93.	Which one of the following is <i>not</i>	a network topology?
	(1) Star	(2) Bus
	(3) Linear	(4) Ring
94.	Which of the following device topology?	could not be a part of a wired LAN based on star
	(1) Switch	(2) Repeater
	(3) Hub	(4) Router
95.	Which key strokes switch a us windows?	er between simultaneously runnling applications in
	(1) FN + TAB	(2) ALT + TAB
	(3) CTRL + TAB	(4) SHIFT + TAB
96.	Which of the following operating	systems use preemptive scheduling?
	(1) Mac OS 8	(2) Window 3.x
	(3) Windows 95	(4) DOS 6.0
97	. What does URL stand for ?	
	(1) Uniform Resource Locator	
	(2) Universal Resource Locator	
	(3) Uniform Retrieval Locator	:
	(4) Universal Retrieval Locator	

98.	Which of the following is non-volatile memory?		
	(1) RAM	(2) Cache	
	(3) CPU Register	(4) ROM	
99.	Which port is typically used to connect a	a monitor to a computer?	
	(1) USB	(2) Ethernet	
	(3) HDMI	(4) Audio Jack	
100.	Which Linux command is used to change	ge file permission?	
	(1) chmod	(2) chperm	
	(3) perm	(4) chown	

Total No. of Printed Pages: 21

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UG-EE-June, 2024

SET-Z

SUBJECT: BCA (4 Year)

Sr. No. 10376

Time : 1¼ Hours Roll No. (in figures)	Max. Marks : 100	Total Questions : 100
Name		
Father's Name		
Date of Examination		
(Signature of the Candidate)		(Cignotive of the Levisitetae)
(5 mail of the Garididate)		(Signature of the Invigilator)

CANDIDATES MUST READ THE FOLLOWING INFORMATION/INSTRUCTIONS BEFORE STARTING THE QUESTION PAPER.

- 1. All questions are compulsory.
- 2. The candidates must return the question booklet as well as OMR Answer-Sheet to the Invigilator concerned before leaving the Examination Hall, failing which a case of use of unfairmeans / mis-behaviour will be registered against him / her, in addition to lodging of an FIR with the police. Further the answer-sheet of such a candidate will not be evaluated.
- 3. Keeping in view the transparency of the examination system, carbonless OMR Sheet is provided to the candidate so that a copy of OMR Sheet may be kept by the candidate.
- 4. Question Booklet along with answer key of all the A, B, C & D code shall be got uploaded on the University Website immediately after the conduct of Entrance Examination. Candidates may raise valid objection/complaint if any, with regard to discrepancy in the question booklet/answer key within 24 hours of uploading the same on the University Website. The complaint be sent by the students to the Controller of Examinations by hand or through email. Thereafter, no complaint in any case, will be considered.
- The candidate must not do any rough work or writing in the OMR Answer-Sheet. Rough work, if any, may be done in the question booklet itself. Answers must not be ticked in the question booklet.
- 6. There will be no negative marking. Each correct answer will be awarded one full mark. Cutting, erasing, overwriting and more than one answer in OMR Answer-Sheet will be treated as incorrect answer.
- 7. Use only Black or Blue Ball Point Pen of good quality in the OMR Answer-Sheet.
- 8. Before answering the questions, the candidates should ensure that they have been supplied correct and complete booklet. Complaints, if any, regarding misprinting etc. will not be entertained 30 minutes after starting of the examination.

UG-EE-June, 2024/(BCA-4 Yr.)(SET-Z)/(D)

1.	Out of given alternatives, choose the word which can be substituted for the given word/sentence.	
	Satisfactory or acceptable in quality or quantity.	
	(1) Restoration	
	(2) Adequate	
	(3) Recognizing	
	(4) Spanning	
2.	The question below contains four scattered segments of a sentence. Indicate the sequence which correctly assembles the segments and completes the sentence:	
	(a) his contribution to the	
	(b) completely ignored as soon	
	(c) as he retired from work	
	(d) field of astronomy were	
	(1) a c b d (2) b a c d	
	(3) a b d c (4) a d b c	
3.	Rearrange the following jumbled sentences to make a meaningful one:	
	(P) are inhibiting progress	
	(Q) they look for creative	
	(R) rather than the conventional solution of outsourcing	
	(S) solutions to the problems that	
	(1) SRQP (2) PQRS	
	(3) QSPR (4) QRPS	

D

As people return to life and work post the lockdown, some predictions point to a mad rush to do even more than before. Travel more, buy more, meet more people, eat out more -do more of more. Much more is anticipated from the State. Some see it as an opportunity to overtake China.

- (1) The government too is expected to do more to restore economic growth and livelihoods.
- (2) One pathway is to shift from a mindset of scarcity to a mindset of abundance.
- (3) Last but not least, let's unlock our spiritual treasure trove.
- (4) Neurosciences and behavioural sciences increasingly corroborate this ancient wisdom
- 5. In the given question, a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent.

The fragmentation of the anti-XYZ vote now gives a clear edge to the incumbent party. But beyond the arithmetic, the collapse of the possible alliance in Delhi sends out two messages. It reinforces XYZ's narrative that opposition parties are weak and squabbling, dominated by narrow interests And while seven seats may not be a lot, the battle in Delhi has always been symbolic and watched widely across the country. While calling it a bellwether state may be somewhat of an exaggeration, the party which wins Delhi has usually done well nationally.

- (1) with so much commons
- (2) without commons
- (3) with little in common.
- (4) with ecstasy

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Directions (Q. Nos. 6 to 10): Read the following comprehension and answer the questions based on it.

A balanced diet means getting the right types and amounts of foods and drinks to supply nutrition and energy for maintaining body cells, tissues, and organs, and for supporting normal growth and development. Eating a balanced diet means choosing a wide variety of foods and drinks from all the food groups. It also means eating certain things in moderation, namely saturated fat, trans fat, cholesterol, refined sugar, salt and alcohol. The goal is to take in nutrients you need for health at the recommended levels. Your balanced diet must be planned at your own calorie level, and portion size is key. You want to get the most nutrients for the calories by choosing food with a high-nutrient density. Nutrient-dense foods provide substantial amounts of vitamins and minerals and relatively few calories, such as fresh fruit and vegetables, lean meat and fish, and whole grains and beans. Low-nutrient dense foods have few vitamins but lots of calories, such as candy bars, soda, donuts and onion rings. Nutrition guidelines recommend eating a wide variety of foods. But, there's a school of thought that eating variety of foods leads to overeating. There is the tendency to stay hungry longer and eat more food when flavors are diverse and keep changing because we fill up on fewer calories when flavor variety is controlled. We have seen this principle in action when we come home with a load of groceries and want to sample the. wide variety of tasty foods.

- **6.** Which two categories of food mentioned in the passage are opposite to each other in nutritional values?
 - (1) The two food categories are 'Nutrient-dense foods' and 'low-nutrient dense foods.
 - (2) The two food categories are 'A balanced diet' and 'A unbalanced diet'.
 - (3) The two food categories are 'A high calorie food' and 'A low calorie food'.
 - (4) The two food categories are 'A high sugar food' and 'A sugar-free food'.
- 7. Which word in the passage means the same as adequate?
 - (1) Over-eating

(2) Refined

(3) Recommended

(4) Substantial

8. A balanced diet means:

 a diet consisting of the right kind and quantity of food for carrying out growth, development and body functions.

10

- (2) a diet consisting of a particular range of food stuffs which provide energy for body to carry out its functions.
- (3) a diet consisting of a large amount of calories required to carry out the body functions.
- (4) a diet consisting of vitamins and minerals which are necessary for the body.
- 9. How does eating a variety of foods lead to over-eating?
 - People cannot manage the portion size of food items which can result in over eating.
 - (2) People tend to indulge in tasting more flavors which can result in over-eating.
 - (3) People tend to eat more of calorie laden food which results in over-eating.
 - (4) People tend to eat more food thinking that it would make their diet balanced and this results in over-eating.
- **10.** What does the phrase a school of thought' mean?
 - (1) It means a school which is started by great thinkers and philosophers.
 - (2) It means a school where it is taught how to think and meditate.
 - (3) It means a school where thoughts are put into practice.
 - (4) It means a particular idea or set of ideas held by a specific group.
- 11. The sum of first 20 odd counting numbers is:

(1) 20

(2) 100

(3) 400

(4) 313

P. T. O.

12.	The positive integer which is nearest is	to 1000 and divisible by 2, 3, 4, 5 and 6
	(1) 1020	(2) 1040
	(3) 960	(4) 1030
13.	How many times is the HCF of 48, 36,	72 and 24 contained in their LCM?
	(1) 12	(2) 10
	(3) 24	(4) 14
14.	The LCM of 5, 8, 12, 20 will not be a n	nultiple of
	(1) 3	(2) 9
	(3) 8	(4) 5
15. A man sold 250 chairs and had a gain equal to the selling price of 50 chairs percentage is		equal to the selling price of 50 chairs. His profit
	(1) 25%	(2) 10%
	(3) 5%	(4) 50%
16. In an election between two candidates, one got 55% of total valid votes were invalid. If the total number of votes were 7500, the number that the other candidates got were		r of votes were 7500, the number of valid votes
	(1) 2700	(2) 2900
	(3) 3000	(4) 3100
17. A man's basic pay for a 40h week is Rs. 20. Overtime is paid for at 25% basic rate. In a certain week, he worked overtime and his total wage as therefore, worked for a total of		rked overtime and his total wage as Rs. 25. He
	(1) 45h	(2) 47h
	(3) 48h	(4) 50h
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 If the cost price of 36 books is equal percentage is 	to the selling price of 30 books, then the gain
(1) 20%	(2) 25%
(3) 16%	(4) 30%
19. A dealers makes a profit of 20% by so change in the profit percent if he had more for it?	elling an article. What would be the percentage paid 20% less for it and the current paid 10%
(1) 225%	(2) 125%
(3) 200%	(4) 160%
 The average weight of a class of 29 st included, the average rises by 500g. Wh 	tudents is 40kg. If the weight of the teacher be nat is the weight of the teacher?
(1) 40.5 kg	(2) 50.5 kg
(3) 45 kg	(4) 55 kg
21. In Windows, what is the shortcut key to	open Task Manager ?
(1) Ctrl + Alt + Delete	(2) Ctrl + Shift + Esc
(3) Alt + F4	(4) Ctrl + Esc
22. Which part of an email address comes a	fter the '@' symbol ?
(1) Username	(2) Domain name
(3) Subject	(4) Service Provider Name
23. Which of the following is not a web bro	wser?
(1) Google Chrome	(2) Mozilla Firefox
(3) Microsoft Edge	(4) Ubuntu
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		7
24.	What is the purpose of "Bee" (Blind C	Carbon Copy) field in an email?
		additional recipients without their address being
	(2) To attach files to the email	
	(3) To set the priority of the email	
	(4) To format the email text	
25.	. What does the acronym 'IM' stand for	or in internet communication?
	(1) Instant Messaging	(2) Internet Messaging
	(3) International Messaging	(4) Internal Messaging
26	6. Choose the correct antonym (oppoptions below:	posite) for the word 'CORDIAL' given from the
	(1) Unfriendly	(2) Sweet
	(3) Affable	(4) Frigid
2	7. Choose the correct synonym for the	e word 'STRIFE' given from the options below:
	(1) Concord	(2) Peace
	(3) Truce	(4) Battle
1	28. Which of the following will be the	e correct sentence in passive voice ?
	Active Voice: They sun-dried the	fenugreek leaves to make spices.
	(1) The spices were made by sun	-dried fenugreek leaves.
	(2) The fenugreek leaves were su	in-dried to make spices.
	(3) They made the spices by sun-	-drying the fenugreek leaves.

(4) The sun-dried fenugreek leaves were used for making species.

		Ü
29.	Which of the following will be	be the correct sentence in passive voice?
	Active Voice: I saw the thief	
	(1) The theif was seen to be	leaving the house.
	(2) Leaving the house, I saw	
	(3) The theif had been seen l	leaving the house
	(4) The theif was seen leaving	
30.	Spot the error:	
	Two hours after its (a) / take stopped for a short Interval (e-off, the flight reached (b) / Mumbai Airport, when (c) / it d)
	(1) a	(2) b
	(3) c	(4) d
31.	Which of the following comp	pound is mainly used in hand sanitizer?
	(1) Alcohol	(2) Acetic acid
	(3) Aldehyde	(4) Ketone
32.	2. Which of the following glands is present in the human mouth?	
	(1) Adrenal	(2) Pituitary
	(3) Gonads	(4) Salivary
33.	What is the basic unit of our	neural system ?
	(1) Neutron	(2) Neuron
	(3) Nephron	(4) Nucleon

34.	Name the part of the body on which core	onav	irus affects the most?
	(1) Heart	(2)	Liver
	(3) Kidney	(4)	Lungs
35.	About 70% part of the sun is made up of	:	
	(1) Hydrogen	(2)	Oxygen
	(3) Carbon	(4)	Helium
36.	A Universal donor person have a blood g	grouj	o:
	(1) A	(2)	AB
	(3) O	(4)	В
37.	Name an instrument which is used to me	asur	e the Density of milk?
	(1) Lactometer	(2)	Hydrometer
	(3) Barometer	(4)	Hygrometer
38.	Which of the following is/are the sympton	oms	of Black Fungus?
	a. Facial Swelling	b.	Nasal Congestion
	c. Headache		
	(1) Only a	(2)	Only b
	(3) Both b and c	(4)	a, b and c
39.	Which of the following is used in pencil	s ?	
	(1) Silicon	(2)	Graphite
	(3) Charcoal	(4)	Phosphorous
40.	The gas usually filled in the electric bull	o :	
	(1) Hydrogen	(2)	Oxygen
	(3) Nitrogen	(4)	Carbon dioxide

in

41.	High-capacity computers used primarily	for recental numerous and
	(1) Microcomputers	(2) Minicomputers
	(3) Mainframes	(4) Supercomputers
42.	Which piece of hardware do you need to	connect to the internet?
	(1) An ISP Account	(2) A Modem
	(3) A Browser	(4) Internet Explorer
43.	Which one of the following is not a nety	vork topology ?
	(1) Star	(2) Bus
	(3) Linear	(4) Ring
44.	Which of the following device could topology?	not be a part of a wired LAN based on star
	(1) Switch	(2) Repeater
	(3) Hub	(4) Router
45.	Which key strokes switch a user bet windows?	ween simultaneously runnling applications in
	(1) FN + TAB	(2) $ALT + TAB$
	(3) CTRL + TAB	(4) SHIFT + TAB
46.	Which of the following operating system	ms use preemptive scheduling?
	(1) Mac OS 8	(2) Window 3.x
	(3) Windows 95	(4) DOS 6.0

47.	What does URL stand for ?	
	(1) Uniform Resource Locator	(2) Universal Resource Locator
	(3) Uniform Retrieval Locator	(4) Universal Retrieval Locator
48.	Which of the following is non-volatile	e memory ?
	(1) RAM	(2) Cache
	(3) CPU Register	(4) ROM
49.	Which port is typically used to conne	ect a monitor to a computer ?
	(1) USB	(2) Ethernet
	(3) HDMI	(4) Audio Jack
50.	Which Linux command is used to ch	ange file permission ?
	(1) chmod	(2) chperm
	(3) perm	(4) chown
51.	Spot the error:	
		hree others (a) / escaped under the cover of heavy Kupwara district, about 70km from state capital
	(1) a	(2) No Error
	(3) b	(4) c
52.	Three of four words given in this que correctly:	nestion are spelt wrong. Select the word that is spelt
	(1) irelevant	(2) irrelevent
	(3) irrelevant	(4) irrellevant

UG-

	She is not very
 Fill in the blank with an talented, she is be 	appropriate preposition or conjunction. She is not very nightly successful.
(1) yet	(2) despite
(3) however	(4) in spite
	oppropriate preposition or conjunction he was an chieve success through hardwork.
(1) In spite of	(2) Despite
(3) As if	(4) Although
55. Fill in the blank with an a	ppropriate tense.
Only one of the boys	not done the home-work given yesterday.
(1) have	(2) has
(3) can	(4) could
56. Select the correct transfe	ormation of the following direct speech to indirect.
He said, "I will go to col	llege tomorrow".
(1) He said that he wou	ld go to college the next day.
(2) He says that he wou	ald go to college the next day.
(3) He says that he wou	ald go to college tomorrow.
(4) He said that he wou	ald go to college tomorrow.
57. Select the correct trans	formation of the following direct speech to indirect.
He said to me, "Why a	re you troubling me ?"
(1) He asked me why	am I troubling him.
(2) He asked me why	have I been troubling him.
(3) He asked me why	I was troubling him.
(4) He asked me why	was I troubling him.
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58.	Choose the correct spelling:	
	(1) Perceved	(2) Perceived
	(3) Perseived	(4) Percieved
59.	Out of given alternatives, choose the word/sentence.	word which can be substituted for the given
	The action or an instance of making a ju	adgment about something.
	(1) Assessment	(2) Conservation
	(3) Evolving	(4) Chaos
60.	Out of given alternatives, choose the word/sentence.	word which can be substituted for the given
	The act of using someone or something	unfairly for your own advantage.
	(1) Evolving	(2) Severity
	(3) Exploitation	(4) Bolster
61.	The averages of square of natural numb	ers from 1 to 35 is
	(1) 436	(2) 426
	(3) 416	(4) 446
62.	If A takes 4h to cover a distance and he	e is 2 times faster than B, then what time will B
	take to cover the same distance?	
	(1) 6 h	(2) 8 h
	(3) 9 h	(4) None of them

63. A motor car does a journey in 9 h,	the first half at 12 km/h and second half at 15km/h.
Find the distance.	at 12 km/h and second half at 15km/h.
(1) 120 km	(2) 100 km
(3) 124 km	(4) 96 km
64. A man is walking at a speed of 9 k much time will he take to cover a di (1) 6 h	cm /l- A O
	(2) 6 h 45 min
(3) 6 h 54 min	(4) 6 h 35 min
65. At what rate of interest per annum w	ill a sum becomes 5 times in 20 years at SI?
(1) 20%	(2) 160/
(3) 25%	(2) 16%(4) 10%
15	d interest and simple interest on a certain sum at
(1) Rs. 600	(2) Rs. 500
(3) Rs. 400	(4) Rs. 300
67. What principal will amount to Rs. 1352	2 in 2 years at 4% compound interest 2
(1) Rs. 1520	(2) Rs. 1260
(3) Rs. 1250	(4) Rs. 1220
68. A and B can do a piece of work in 72 do do it in 90 days. In what time can A alor	ays; B and C can do it in 120 days; A and C can
(1) 150 days (3) 100 days	(2) 120 days
UG-EE-June, 2024/(BCA-4 Yr.)(SET-Z)/(D)	(4) 80 days
:: (1) - (1	

69.	A can do a certain job in 12 days. B is 60	% more efficient than A. The number of days,
	it takes to do the same piece of work, is .	
	(1) 6	(2) 25/4
	(3) 15/2	(4) 8
70.	A pipe can fill a tank in 6 h. Due to leafull, how much time will the leak take to	ak in the bottom it is filled in 8 h. If the tank is empty it?
	(1) 24 h	(2) 20 h
	(3) 18 h	(4) 12 h
71.	Find the third proportional to the number	ers 5 and 10.
	(1) 20	(2) 2.5
	(3) 25	(4) 30
72.	Ratio of boys to the girls in a class number of students in the class?	is 5: 4. Which of the following cannot be the
	(1) 45	(2) 72
	(3) 108	(4) 98
73		15 more boys than girls. If the number of boys is rls is increased by 15% there would be 29 more re there in the institution?
	(1) 250	(2) 255
	(3) 230	(4) 220

74. Two oranges, three bananas and four apples cost Rs. 15. Three oranges, two bananas and one apple cost Rs. 10. I bought 3 oranges, 3 bananas and 3 apples. How much did I pay?

(1) Rs. 15

(2) Rs. 8

(3) Rs. 10

(4) Cannot be determined

75. How many prime factors are there in the expression $(12)^{43}$ * $(34)^{48}$ * $(2)^{57}$?

(1) 282

(2) 237

(3) 142

(4) 61

Directions (Q. Nos. 76-80): A survey film watching habits of people living in 5 cities I, II, III, IV and V is summarised below. The column (1) gives percentage of film-watchers in each city who see only film a week. The column (2) gives the total number of film-watchers who see more than one film per week. Read the table and answer the questions.

	7	The district of the questions.		
City	(1)	(2)		
I	50	3200		
II	30	3500		
III	65	7000		
IV	25	5400		
V	80	2900		

76. How many film-watchers in City II see only one film a week?

(1) 900

(2) 1500

(3) 1600

(4) 3200

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77	. Which city has the highest nu	mber of film-watchers who see only film a week?	
	(1) I	(2) II	
	(3) III	(4) IV	
78	. The city with the lowest number	per of film-watcher is	
	(1) I	(2) II	
	(3) IV	(4) V	
79.	The city with the highest num	ber of film-watcher is	
	(1) I	(2) V	
	(3) IV	(4) III	
80.	The total number of all film is	watchers in the five cities who see only one film a we	eek
	(1) 31100	(2) 29500	
	(1) 31100 (3) 28600	(2) 29500(4) 28300	
81.			
81.	(3) 28600	(4) 28300	
81.	(3) 28600 What is the symbol of Gold?	(4) 28300	
81. 82.	(3) 28600What is the symbol of Gold?(1) Ag	(4) 28300 (2) Au	
	(3) 28600What is the symbol of Gold?(1) Ag(3) Ca	(4) 28300 (2) Au	

83. What is the national animal of	India ?
(1) Dolphi	(2) Parrot
(3) Lion	(4) Bengal Tiger
84. What is the minimum age for be	ecoming a Lok Sabha candidate ?
(1) 27	(2) 25
(3) 26	(4) 28
85. Who was the first election comm	nissioner of India ?
(1) Sukumar Sen	(2) Rajiv Kumar
(3) Om Birla	(4) Dhananjaya
86. What is a "free throw" commonly	y associated with?
(1) Football	(2) Badminton
(3) Basketball	(4) Cricket
87. Which day is celebrated as World	Press Freedom Day ?
(1) 10 April	(2) 15 February
(3) 18 December	(4) 3 May
88. Who is the author of the famous b	ook "We the People" ?
(1) Kushwant Singh	(2) Charles Dickens
(3) Emily Bronte	(4) Nani Palkhivala
89. Who appoints the Advocate Gener	al of each state of India?
(1) President	(2) Governor of a state
(3) Prime Minister	(4) Solicitor General
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P. T. O.

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D

97. Which word is odd one out?	
(1) fondness	(2) Liking
(3) hate	(4) Attachment
98. Pointing to a photograph of a boy mother". How is Suresh related to the	Suresh said, "He is the son of the only son of n hat boy?
(1) Uncle	(2) Brother
(3) Cousin	(4) Father
99. The sum of ages of 4 friends A,B,C ages after 5 years later?	and D is 70 Years. What would be the total of the
(1) 90	(2) 85
(3) 75	(4) 65
100. A man walks 1km to East and then he East and walks 2km. After this he t direction he is from starting point?	turns to South and walks 5 km. Again he turns to turns to North and walks 9 km. Now, in which
(1) North	(2) South
(3) North-East	(4) West

Q, NO,	A	В	C	D
1	2	2	1	2
2	3	3	4	4
3	4	1	2	3
4	2	4	4	1
5	1	2	1	3
6	3	1	3	1
7	4	3	1.	4
8	4	2	4	1
9	2	1	2	2
10	1	3	3	4
11	3	2	1	3
12	2		4	WEST AND ADDRESS OF THE PARTY O
		2	CONTRACTOR OF THE PROPERTY OF THE PARTY OF T	1
13	3	4	4	1
14	1.	1.	1	2
15	1	1,	1	1
16	4	1	2	1
17	3	4	3	3
18	4	3	2	1
19	1	4	4	4
20	3	3	1.	4
21	1	2	2	2
22	4	4	3	2
23	2	3	1	4
24	4	1	4	1
25	1	3	2	1
26	3	1	1	1
27	1	4	3	4
28	4	1	2	3
29	2	2	1	4
30	3	4	3	3
31	3	2	2	1
32	1	3	2	4
33	1	4	4	2
34	2	2	1	4
35	1	1	1	1
36	1	3	1	3
37	3	4	4	1
38	1	4	3	4
		2	4	2
39	4		3	3
40	4	1		
41	2	1	3	4
42	2	4	2	2
43	1	4	3	3
44	3	1	1	2
45	1	1	1	2
46	1	2	4	3
47	3	3	3	1
48	2	2	4	4
49	3	4	1	3
50	1	1	3	1

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Q. NO.	Α	В	С	D
51	1	4	3	2
52	4	2	1	3
53	4	3	1	1
54	1	2	2	4
55	1	2	1	2
56	2	3	1	1
57	3	1	3	3
58	2	4	1	2
59	4	3	4	1
60	1	1	4	3
61	4	1	2	2
62	2	4	3	2
63	3	2	4	1
64	2	4	2	3
65	2	1	1	1
66	3	3	3	1
67	1	1	4	3
68	4	4	4	2
69	3	2	2	3
70	1	3	1	1
71	2	3	2	1
72	2	2	2	4
73	4	3	1	4
74	1	1	3	1
			1	1
75	1	1		2
76	1	3	3	3
77	4		2	2
78	3 4	4	3	4
79	3	3	1	
80	2	2	2	2
81		2	4	3
82	3			
83	1	1	3 1	2
84 85	2	3	3	1
		1	1	3
86 87	3	3	4	4
88	2	2	1	4
88 89	1	3	2	2
90	3	1	4	1
				3
91	2	3	4	2
92	4	1	2	3
93	3	1	3	
94	1	2	2	1
95	3	1	2	1
96	1	1	3	4
97	4	3	1	3
98	2	1	4	4
uu	1)	4	3	1

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