400		
SCH S	ВH	100
24.1	×.	

CET (PG) - 2017 Booklet Series Code : A

Important : Please corruet your Admit Card / Roll No. Sto before filling your Roll Number on the Tent Bookint and Answer Shout

	(In Figures)	(In Words)
Hall No. :		
O.M.R. Answer	Sheet Serial No. :	
Signature of the	Candidate:	

Subject : M.Sc. (Hons. School/2 Years Course)-Zoology

Time: 90 Minutes] No. of Questions : 75]

[Maximum Marks: 75 [Total No. of Printed Pages: 16

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS :

- Write wall: Roll Ris. on the Quantum docklet and also on the DMR Answer Sheet in the space provided and repetable elia:
- Enter the Salamit and Series Code of Question Booklet on the OMR Answer Sheet. Darlies the corresponding bubbles with Black Bull Point/Black Get Peer
- 3. Do not make any identification mark on the Arriver Sheet or Question Booklet.
- 4. To appen the Question Socialet rentone the paper seal gently when asked to do so.
- Please street that this Question Booklet runtains 75 questions in case of any discrepancy, inform the Assistant Superimendent within 10 minutes of the start of test.
- Each question has four atturnative assess IA, 8, C D) of which any one is correct. For each question, darken only one public (A or Hoy Cos D), whichever you think is the correct answer, on the Answer Sheet with Black Sail Peint/Black Gel Pint.
- If you do not wint to answer a question, have all the buildies corresponding to that question blank in the Answer Sheet. No marks will be disturted in such cases.
- K.) Durlies the Bubbles in the DARL Answer Sheet according to the Serial No. of the questions given in the Classifica.
- Negative marking will be adopted for evaluation i.e., 1/4th of the marks of the question will be deducted for each wrong entwer. A wrong entwest means accurred answer of wrong litting of bubble.
- 10: For calculations, use of simple ing tables is permitted, florrowing of log tables and any other material in not all towered
- 4.3 For rough work only the sheets marked "Rough Work" at the end of the Countries Bourset be used.
- 12. The American Sheet is designed for enempiater evaluation. Therefore, if you do not follow the instructions given on the Americ Stiest, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above occurred, i.e., not following the instructions completely, shall be of the candidate only.
- After the test, hand over the Question Bouslet and the Asswer Sheet to the Assistant Superintendent on Gaty.
- 14. to no time the Answer Sheet, the Christian Scokler, or its part or any material cooled/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so, would be supplied from the examination.
- 15 A cartilidate while creates disturbance of any kind or changes his/ner year or is found in possession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfall means duling the examination will be expalled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- 28. Telecommunication equipment such as pager, setular phone, wireless, scanner, etc., is not permitted inside the examination half. Use of calculator is not allowed.

A-	Set		page-3	E)-21
_	(D)	Infection to man			
	(C)	Ingestion			
	(B)	Embryonia development			
	(A)	Regular detachment of pr	ragiottide from	afrobita	
7.	Apo	lysis is a process in Tae	nia for :		
	(C)	Turbillana	(D)	Porifera	
	1.654	Trematoda	(B)	Cestodes	
6.	Rha	bdites are found in :			
	(C)	Huxley	(D)	Trombley	
	(A)	Leven	(B)	Hyman	
5.	Reg	eneration in Hydra was	discovered by		
	(C)	Locomotion	(D)	Chance and other La	
	(A)	Nutrition	(B)	Reproduction Offence and defence	
4.	100	ction of dactylozoolds in	747-17-14-17-17-17-17-17-17-17-17-17-17-17-17-17-		
	1182-119		AL PERMITTING CAPACITY	-1181 - 1181-1181-118	
	(C)	Coelenterates	(D)	Annelids	
<u>20</u>	(A)	Flatworms	(B)	Spanges	
3.	The	first vertebrates to deve	lop a true ner	yous system are:	
	(C)	Spongilla	(D)	Oscarella	
	(A)	Scyptu	(B)	Euspongia	
2.	The	only freshwater species	of sponges is	115	
	(C)	Bacteria	(D)	Organelles	
	(A)	Nucleoprotein	(B)	Virus	
1.), Chill	kappa particle in some k	uler strains o	Paramecium are due to some :	

D-	21	pag	pe-4		A-S
	(C)	Creb	(D)	Lepisma	
	(A)	Eupagurus	(B)	Sacculina	
14.	The	animal which causes parasitic c	astra	tion is:	
	(C)	48 hours	(P)	72 hours	
	(A)	24 hours	(8)	12 hours	
13.	100	oxysm în tertian malaria occurs a			
	(C)	Typhoid	(D)	Gambian fever	
	(A)	Chaga's disease	(B)	Nam-uzur	
12.		ssina palpalis is a vector for :	1240	WANT COURT	
	(C)	5 June	(D)	30 January	
		27 May	(B)	25 April	
11.		rld Malaria Day is celebrated on :	Marti	Cardo Lavorouro	
	(C)	Fifth pair of walking legs	(D)	Third pair of walking legs	
		Second pair of walking legs	(B)	First pair of walking legs	
		e genital apertures of prawn are f			
	(0)		127	20	
	(C)	9	(D)	10	
	(A)	6	(B)	8	
n	Meu	many chambers are found in the	n cros	n of leach 2	
	(C)	Unio	(D)	Dentalium	
	$\{A\}$	Helix	(B)	Chitons	
В.	Aes	thetes are found in the shell of :			

Gre	en gland in crayfishes is as Excretion	sociated v	Nutrition Respiration	D-2
Gre	en gland in crayfishes is as	sociated v		
40.00		(1)	vith:	
(9)	100 - 00 M	750		
CV	Tse-tse fly	(D)	Mites	
	7.8 1.817.2 (Advent From		Gulex	
	AND THE PARTY OF T		2.5	
(C)	Micropyle	(D)		
(A)	Archaeocytes	(B)	Osculum	
nte	rnal buds of sponges produ	ced durin	g adverse conditions :	
D)	Bombyx mori & Megascolex	mauntius		
(3)	Bombyx mori & Apis indica			
B)	Pheretima posthuma & Meg.	ascolex ma	urttius	
A)	Eisenia foetida, Perionyx exc	cavatus, Eu		
Eart	hworms used in vermi com	posting:		
C)	Tomaria	(D)	Veliger	
A)	Planule	GL-5	TO DESCRIPTION OF THE PROPERTY	
The	larva of Balanoglossus :			
C)	Chaetognatha	(D)	Annelida	
A)	Rotifera	(B)	4 Maria substitution	
	A) C) The A) C) A) C) A) C) A) A) A)	A) Rotifera C) Chaetognatha The larva of Balanoglossus: A) Planule C) Tomaria Earthworms used in vermi com A) Eisenia foetida, Perionyx exc B) Pheretima posthuma & Meg. C) Bombyx mori & Apis indica D) Bombyx mori & Megascolex Internal buds of sponges produ A) Archaeocytes C) Micropyle Fector of filariasis: A) Anopheles	A) Rotifers (B) C) Chaetogratha (D) The larva of Balanoglossus: A) Planule (B) C) Tomaria (D) Earthworms used in vermi composting: A) Eisenia foetida, Perionyx excavatus, Eu B) Pheratima posthuma & Megascolex ma C) Bombyx mori & Apis indica D) Bombyx mori & Megascolex mauritius Internal buds of sponges produced during A) Archaeocytes (B) C) Micropyle (D) Fector of filariasis: A) Anopheles (B)	C) Chaetognatha (D) Annelida The larva of Balanoglossus: A) Planule (B) Trochophora C) Tomaria (D) Veliger Earthworms used in vermi composting: A) Eisenia foetida, Perionyx excavatus, Eudrilus eugeniae B) Pheretima posthuma & Megascolex mauritius C) Bombyx mori & Apis indica D) Bombyx mori & Megascolex mauritius Internal buds of sponges produced during adverse conditions: A) Archaeocytes (B) Osculum C) Micropyle (D) Gemmule Vector of filariasis: A) Anopheles (B) Culex

21.	Hec	tocotylus is a feature of :		
	(A)	Nautilius	(B)	Pila
	(C)	Sepia	(D)	Octopus
22.	Gyr	aecophoric canal is present in	male of	digenetic parasite :
	(A)	Fasciola	(B)	Paragonimus
	(C)	Clanorchis	(D)	Schietosoma
23.	Tur	tles and tortoises belong to the	order:	
	(A)	Squamata	(B)	Crocodilia
	(C)	Testudines	(D)	Rhynchocephalia
24.	Wh	ch of the following aartic arch	es form	pulmonary artery in lung fishes ?
	(A)	ш	(B)	1V
	(C)	v	(D)	VE
25.	The	Finches of Galapagos Islands	provide	evidence in favour of :
	(A)	Evolution due to mutation	(B)	The state of the s
	(C)	Biogeographical evolution	(D)	Special creation
26,	Brig	htly colored Poison-dart frogs	are exa	imples of :
	(A)	Aposematic coloration	(B)	Mullerian mimicry
	C)	Batesian mimicry	(D)	Cryptic coloration
27.	Whi	ch one of the following descrit	oes com	ectly the homologous structures ?
	(A)	Organs with anatomical similari	ties, but	performing different functions
	(B)	Organs with anatomical dissimil	larities, b	out performing same function
	(C)	Organs that have no function no	w, but h	ad an important function in ancestor
	(D)	Organs appearing only in embr	yonic sta	ge and disappearing later in the adul

D-21

A-Set

A	-Set	p.	age-7	D	-21
	(C)	Peyer's patches	(D)	Thymus	
	(A)	Lymph nodes	(B)	Spleen	
33,	Wh	ich one of the following is a prim	nry ly	mphold organ ?	
	(C)	Gut	(D)	Lungs	
	(A)	Tissues	(B)	Blood	
32.	The	spleen is largely involved with	the res	ponse to antigens which are in t	10:
	(C)	Hyperinsulinism	(D)	Toxic diffuse golter	
	(A)	Hypothyroidism	(B)	Parathymia	
31.	Gra	ves disease is also known as :			
	(C)	Aldosterone	(D)	Progesterone	
	(A)	Vasopressin	(B)	A CONTRACTOR	
30.	Diat	oetes insipidus is a deficiency of	C-27	CONTRACT.	
	(C)	Polydactyly	(D)	Addison Disease	
	11620	Acromegaly	(B)	Cushing Syndrome	
	grov	wth hormone is called:			
9.			, feet	and face due to overproduction	of
	(C)	Human Chorionic Somatotropin	(D)	Human Chorionic Gonadotropin	
	(A)	Estrogen	(B)	Progestarone	
8.	Link	nancy tests generally are based			

34.	In E	LISA you might use an antige	n or antit	body labeled with :			
	$\langle A \rangle$	01	(8)	Colloidal gold			
	(C)	Horseradish peroxidase	(D)	Fluorescent dye			
35.	The functional unit of contractile system in the striped muscle is :						
	(A)	Z-band	(B)	Myolibrils			
	(C)	A-band	(D)	Sarcomere			
36.	The	pneumotaxis centre in the bo	dy is:				
	$\langle A \rangle$	Heart	(B)	Medulla			
	(C)	Liver	(D)	Long			
37,	The trypsin enzyme is secreted by :						
	(A)	Stomach	(B)	Duodenum			
	(C)	Pancreas	(D)	Liver			
38.	The tissue that surrounds a muscle cell (myofiber) is known as :						
	$\{A\}$	Epimyslum	(B)	Permysium			
	(C)	Endomysium	(D)	Superficial mysium			
39.	Whi	ch of the following cell is part	of blood	-brain barrier?			
	(A)	Multipolar neuron	(8)	Psedounipolar neuron			
	(C)	Astrocyte	(D)	Microglia			
40.	Whi	ch of the following satisfies th	e condit	ion for Kiinefelter syndrome			
	(A)	45, X	(8)	46, XX			
	(C)	45, Y	(D)	XXY			

A-Set

A-	Set		page-9		D-21
	(D)	Inversion of a chromosome s	egment that r	either includes telomere nor	
	(C)	Inversion of a chromosome	segment tha	fincludes telamere but not o	entromere
	(B)	Inversion of a chromosome	segment the	fincludes centromere	
	(A)	Inversion of a chromosome	segment the	t does not includes centrom	619
15,	Per	centric inversion is a type	of chromos	ome mutation in which :	
	(C)	Delta cells	(D)	Epsilon cells	
	(A)	Alpha cells	(B)	Beta cells	
4.	Whi	ch of the following cells pr	oduce some	tostatin in islets of Lange	rhans ?
	(D)	Change of cytosine to guar	line		
	$\langle \mathcal{O} \rangle$	Change of thymine to aden	ine		
	(B)	Change of thymine to cytos	ine		0
	(A)	Transfer of part of a chromo	some to ano	ther chromosome	
13.	Whi	ch of the following is a tran	nsition muta	tion?	
	(D)	To convert pepsinogen into	pepsin		
	(C)	To ourdles milk by transform	ning caseino	gen into insoluble casein	
	(B)	To convert angiotensinoger	n to angioten	sin I	
	(A)	To convert angiotensin Lto	angiotensin l	ľ.	
42.	The	function of renin is :			
	(C)	Chromosome 12	(D)	Chromosome 13	
	(A)	Chromosome 10	(B)	Chromosome 11	
	100 40 10	and Till and the second	1.20	Control of the Contro	

46	The	cause of Patau syndrome is :		
	(A)	Trisomy of chromosome 16	(B)	Trisomy chromosome 15
	(C)	Trisomy chromosome 14	(D)	Trisamy chromosome 13
47.	Wh	ich of the following structures	is prese	nt only in mammalian brain ?
	(A)	Corpus fibrosum	(B)	Corpus striatum
	(C)	Corpus lateum	(D)	Corpus callosum
48.	For	amen of Panizaa is a hole that	connect	s left and right nortic in :
	(A)	Crocodiles	(B)	Lizards
	(C)	Turtles	(D)	Snakes
49,	Ag	roup of animals having marsup	olum is :	
	(A)	Monotremata	(B)	Eutheria
	(C)	Metatheria	(D)	Prototheria
50.	The	vertebrae of birds are characte	eristical	ly:
	(A)	Heterocoelus	(B)	Acoelous
	(C)	Opisthocoelus	(D)	Amphicoelous
51.	1000	anisms of following phylum of	Kingdo	m Animalia are commonly known a
		Bryozoa	(B)	Brachiopodii
	7	Rotifera	2000	Mollusca
52	The	mechanism of intake of DNA fr	agment	from the surroundings medium by
		is called:		
	(A)	Transformation	(B)	Generalized transduction
	(C)	Conjugation	(D)	Specialized transduction

A-Set

A-	Set		page-11	D-21		
	(C)	Facultative chromatin	(D)	Constitutive chromatin		
	(A)	Heterochromatin	(B)	Euchromatin		
60.	The	portions of chromosomes th	at stain i	ightly and only partially condensed :		
	(C)	Leukaemia	(D)	Myeloid		
	(A)	Carcinoma	(B)	Sarcoma		
59.	The			il cells of ectoderm or endoderm :		
			C KAMADAN HIY			
	(C)	DNA footprinting	(D)	DNA printing		
F1700	(A)	DNA replication	(B)	DNA fingerprinting		
58.	The	length of DNA associated with	a proteir	is determined by using a technique :		
	(C)	Reciprocal cross	(D)	Back cross		
	(A)	Test cross	(B)	Monohybrid cross		
	gen	otype is called as :				
57.	A cross between a given offspring and pure recessive parent to know its					
	(C)	Orangutan	(D)	Hoolock gibbon		
	(A)	Chimpanzee	(B)	Gorilla		
6.	The	Ape found in India				
	(C)	Specific RNA in a sample	(D)	Specific glycolipid in a sample		
	(A)	Specific DNA in a sample	(B)			
5.	Wes	stern Blotting is the technique	for the d			
	(C)	Aftman	(D)	Milstein		
	(A)	Kary Mullis	(B)	Kohler		
4.	PCF	technique was developed by	(E			
	(C)	DNA polymerase III	(D)	pfu polymerase		
	(A)	Taq polymerase	1	Vent polymerase		
3.		ch one is NOT a thermostable				

D-:	21	page	6-12	A-Se			
	(C)	Eustachlan valve	(D)	Bicuspid valve			
	(A)	Mitral valve	(B)	Thebesian valve			
85.	ln m	ammals, the opening of postcave	si in t	he right auricle is guarded by :			
	THES	THE THER EXPENDENCY THE GIVEN	SCHATS)				
	2011	The waits separating the alveoli be	reak o				
	(C)	Lungs have less air					
	(8)	Lot of fluid in the lungs					
	(A)	Respiratory centre is inhibited					
64.	Emp	ohysema is a condition in which :					
	(C)	Allen's rule	(D)	Bergman's rule			
	(A)	Gloger's rule	(B)	Jordan's rule			
	war	m area. This is an example of :					
63.	The	ears of a mammal living in cold	area	were smaller than the one living in			
	(C)	Multiple atielism	(D)	Monoploidy			
	(A)	Polyploidy	(B)	Incomplete dominance			
62.	Inheritance of ABO blood group shows :						
	(C)	3	(D)	6			
	(A)	1	(B)	2			

A-	Set	pa	ge-13	D-2		
	(C)	Cytoplasm	(D)	Mitochondrial matrix		
	(A)	Mitochondrial inner membrane	(B)	Endoplasmic reticulum		
71,	Wh	ere in the cell is cytochrome P45	o toca	ted ?		
	(C)	Taxis	(D)	Imprinting		
	(A)	Cognitive	(B)	Kinesis		
70.	A s	ensitive and critical periods are	associ	ated with what type of behavior ?		
	(C)	Rhipidistians	(D)	Play-finned fishes		
	(A)	Coelocanths	(B)	Eung fish		
69.	Mos	st paleontologists consider ampl	hibian			
	(C)	Mesozoic	(D)	Cenazaic		
	(A)	Precambrian	(B)	Paleozoic		
68.	Which of the following represents the longest time period?					
	(C)	Carbon-14	(D)	Uranium-238		
	(A)	Rubidium-87	(B)	Potassium-40		
	cha	rcoal ?				
57.1	Whic			oful for dating very young wood an		
	(C)	- 30 milli Volt	(D)	- 70 milli Volt		
	(A)	+ 70 milli Valt	(B)	+ 30 milli Volt		
6.	Res	ting potential of a nerve is:		14-3		

12	nee	jor aerosoi pollutant in je	it plane emissi	on is :
	(A)	Sulphur dioxide	(B)	Carbon monoxide
	(C)	Methanio	(D)	Chlorofluorocarbon
73.		e earliest warm blooded i		
	(A)	Pelycosaurs	(B)	Therapsids
	(C)	Thecodonts	(D)	Dinosaurs
74.	Wh	ich of the following sta	tements corre	ctly describes the behavior of the
	hae	moglobin protein in sick	le-cell disease	?
	(A)	The haemoglobin lacks a	haem group	
	(B)	Neighbouring haemoglob	in proteins agg	regate together
	(C)	The haemoglobin protein	dissociates int	o 4 subunits
	(D)	The haemoglobin protein	possesses an i	ron atom in the Fe(III) form rather than
		the normal Fe(III) form		
75.	Whi	ch type of bonding is res	ponsible for th	e secondary structure of proteins?
	(A)	Disulphide bridges between	en cysteine res	idues
	(B)	Hydrogen bonding between	en the C = 0 an	d N-H groups of peptide bonds
	(C)	Peptide bonds between A	Amino Acids	
	(D)	Salt bridges between cha	rged side chain	s of Amino Acids

	ı		ı	
	ı	ı		
1	ľ	ř	ı	
ı		b	Ē	
1		г	H	

Sr. No.: 110112

CET (PG) - 2017

Booklet Series Code : A

Important: Please consult your Admit Card / Fiell No. Slip before filling your Roll Number on the Test Booklet and Answer Shoet.

(In Figures)	(In Words)
Roll No. :	
O.M.R. Answer Sheet Serial No. :	
Signature of the Candidate :	

Subject : M.Com. (Business Economics)

Time : 90 Minutes) [Maximum Marks : 75

No. of Questions : 75) [Total No. of Printed Pages : 16

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS :

- Write your Rull No. on the Question Blocklet and also on the OMN Answer Sheet in the space provided and newhern size.
- Enter the Subject and Series Code of Question Booklet on the OMB Answer Sheet. Darken the corresponding bubbles with Black Bull Point/Black Sel Pen.
- 3 Do not make any identification mark on the Answer Sheet or Question Booklet.
- To open the Question Booklet remove the paper seal gently when asked to do so.
- Please check that this Question Bookiet contains 75 questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
- Each question has four alternative answers (A, B, C, D) of which only one is correct. For each question, darken only one bubble (A or 0 or C or D), whichever you think is the correct answer, on the Answer Spect with Black Ball Point/Black Gal Pers.
- If you do not want to answer a question, have all the bubbles corresponding to that question blank in the Answer Sheet. No marks will be deducted in such cases.
- Darken the bubbles in the DMR Amover Sheet according to the Serial No. of the questions given in the Question Booklet.
- Negative marking will be adouted for evaluation i.e., 1/4th of the marks of the question will be deducted for each wrong answer. A wrong answer means incorrect answer or wrong filling of bubble.
- For calculations, use of simple log tables is permitted, florrowing of log tables and any other material is not allieved.
- 11. For rough work only the sheets marked "Rough Work" at the end of the Question Buokiet be used.
- 12. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the condidate only.
- 13. After the test, hand over the Question Booklet and the Answer Sheet to the Assistant SuperIntendent on duty.
- 14. In no case the Answer Sheet, the Question Rooklet, or its part or any material copied/noted from this Booklet is to be salen out of the examination half. Any candidate found doing so, would be expelled from the examination.
- 15. A conditate who creates disturbance of any kind or changes his/her seat or it found it postession of any paper possibly of any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observed whose decision shall be final.
- Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside the examination hall. Use of calculator is not allowed.

to I	rade-offs are required be	cause wants are	unlimited and resources ar		
	A) economical	- (B)	unlimited		
(0	C) efficient	(D)	scarce		
2 P	oints on the production p	ossibilities from	itier are :		
(A	() Inetficient	(B)	normative		
(0	C) unuttainable	(D)	efficient		
, p	ositive statements are :				
(4) macroeconomic				
(8	3) microeconomic				
(0) statements of description	on that can be tes	ated		
(E) statements of prescript	on that involve v	alue judgements		
(A (C		camping equipm (B) (D)	nents is : an inferior good a complementary good		
5. If	If the price of a good is above the equilibrium price :				
	(A) there is a surplus (i.e. an excess supply) and the price will rise				
(A	there is a surplus (i.e. o	it is an assessment to be occupationally	courses more burners status meses.		
(A) there is a shortage (i.e.	an excess dema	nd) and the price will fall		
-	there is a shortage (i.e. there is a shortage (i.e.	an excess dema	nd) and the price will fall nd) and the price will rise		
(E	there is a shortage (i.e. there is a shortage (i.e.	an excess dema	nd) and the price will fall nd) and the price will rise		
(E) (C)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig	an excess dema an excess dema in excess supply thit line), then pr	nd) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is :		
(C) (C) (A)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper port	an excess dema an excess dema in excess supply thit line), then pr	no) and the price will fall no) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion		
(C) (C) (E) (A) (B)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inclastic in the upper por	an excess dema an excess dema in excess supply thit line), then pr	no) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion		
(C)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inclastic in the upper por thelastic throughout	an excess dema an excess dema in excess supply thit line), then pr	no) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion in the lower portion		
(C) (C) (A) (B)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inclastic in the upper por helastic throughout elastic throughout	an excess dema an excess dema in excess supply thit line), then pr	no) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion		
(E) (A) (A) (C) (D)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inclastic in the upper por inclastic throughout elastic throughout	an excess dema an excess dema in excess supply thit line), then pr tion and inelastic ortion and elastic	nd) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion in the lower portion		
(E) (C) (A) (B) (C)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inelastic in the upper por inelastic throughout elastic throughout consumers think that the	an excess dema an excess dema in excess supply thit line), then pr tion and inelastic ortion and elastic ortion and elastic	no) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is : in the lower portion in the lower portion		
(C) (C) (A) (C) (C) (C)	there is a shortage (i.e. there is a shortage (i.e. there is a surplus (i.e. a demand is linear (a straig elastic in the upper por inclastic throughout elastic throughout elastic throughout supply would tend to be	an excess dema an excess dema in excess supply thit line), then pro- tion and inelastic ortion and elastic ortion and elastic ortion and elastic	nd) and the price will fall nd) and the price will rise and the price will fall oe elasticity of demand is: in the lower portion in the lower portion		

(D) supply would tend to be price inelastic

8.	Wh	ich of the following stateme	nts is true	?	
	(A)	All costs are fixed in the sho	ort run		
	(B)	All costs are variable in the	long run		
	(C)	All costs are variable in the	short run		
	(D)	All costs are fixed in the lon	g run		
9.	in io	ong-run equilibrium in a cor	npetitive m	arket, firms are operatin	gat:
	(A)	the minimum of their averag	e-total-cost	curves	
	(B)	zero economic profit			
	(C)	the intersection of marginal	cost and ma	rginal revenue	
	(D)	all of these answers are con	rect		
10.	Wh	ich of the following is not a	method of	sampling?	
	(A)	Systematic Sampling	(B)	Quota Sampling	
	(C)	Snowball Sampling	(D)	Large Sampling	
11.	Wh	at is the probability of throw	ing a total	of 8 from a single throw	of two dice
	(A)	1/8	(B)	2/9	
	(C)	5/36	(D)	3/36	
12.	Sale	of woollen garments and t	he day temp	perature, it is	orrelation.
	(A)	Positive	(B)	Negative	
	(C)	No correlation	(D)	None of them	
13.	Cor	relation coefficient between	x and y lies	between	
	(A)	0 to 1	(B)	-1 to 1	
	100	0 to 100	((1))	-1 to 0	

14. What is the derivative with respect to x of $(x+1)^2 - x^3$?

(A)
$$-3x^2 + 2x + 2$$

(B)
$$-3x^2 + 3x - 3$$

15.	For	the function Q = AKaLb; which	of the f	ollowing statements are true ?				
0000	(1)	$dQ/dL = AbK^nL^{b-1}$	Company Street					
	(2)	Marginal product of Labour (MF	L) = Ant	(a-1 Fp				
	(3)	The supplied the second of the						
	(4)	Marginal rate of substitution of	capital fo	r labour (MRS) = dK/dL				
	Whi	ch of the above statements are to	The State of the S	-53.500				
	(A)	1,2,3	(B)	1, 2, 3, 4				
	(C)	2, 3, 4	(D)	1, 3, 4				
16.		For the demand function $Q_1 = 10 - 9P_1 + P_2 + 0.01Y$ which of the following						
	(E)(C+N)	ements is true ?	14990	VP 1495 - 6				
	S. F. A. C. C.	$d\Omega_t/dP_t = -9 + P_2 + 0.01Y$		$dQ_1/dP_1 = -9$				
	(C)	$dQ_1/dP_2 = P_2$	(0)	$dQ_1/dY = 0.01 - 9P_1 + P_2$				
17,	Wh	o is credited with bringing the	term "th	e invisible hand" in economics ?				
	(A)	Adam Smith	(B)	John Maynard Keynes				
	(C)	F. Hayek	(D)	Samuelson				
18.	Wh	When did the Great Depression hit the United States ?						
	1033	2007	(B)	1929				
	(C)	1936	(D)	2001				
19.	Cor	Consider the following statements :						
	(1)			ownership of means of production				
	(2)			duction are owned by the State				
	(3)	In a free-market economy there						
	100000	ch of the above statements is/an						
	(A)		(8)	Only 2 and 3				
	4.18	Only 3	(D)	All are true				
20.	Inte	Intermediate goods are not included to calculate the final output because :						
77.07	(A)	they do not have value	DESCAME.	STANDARD NATIONAL STANDARD STA				
	(B)	they have unknown value						
	(C)		oods so t	hey are not added to avoid the problem				
	(14)	of double counting	nin ole see A					
	(10)	none of the above						

21. What does the term Gross investment mean while denoting a nation's economy ?

- (A) Gross investment = Net investment + Depreciation
- (B) Gross investment = Net investment Depreciation
- (C) Gross investment = Depreciation Net investment
- (D) None of the above

22. In terms of economics, what is an "externality" ?

- (A) Benefits or harm caused by a firm without payment/penalty
- (B) Net income from toreign countries
- (C) Total exports by a country in a given year
- (D) None of the above

23. What is the correct formula for GDP Deflator ?

- (A) Nominal GDP (minus) Real GDP
- (B) Nominal GDP + Real GDP
- (C) Nominal GDP/Real GDP
- (D) Real GDP / Nominal GDP

24. A cut in the income tax rate designed to encourage household consumption is an example of:

- (A) expansionary demand-side policy
- (B) contractionary demand-side policy
- (C) expansionary supply-side policy
- (D) contractionary supply-side policy

25. According to the Classical model, unemployment:

- (A) could not persist because wages would fall to eliminate the excess supply of labour.
- (B) could persist for long periods of time because wages are not flexible.
- (C) could be eliminated only through government intervention.
- (D) could never exist

26. David Ricardo gave his theory of Comparative Advantage in his book :

- (A) Principles at Economics
- (B) Wealth of Nations
- (C) Principles of Political Economy and Taxation
- (D) Principles of Taxation

28.	The	Hecksher-Ohlin theorem states	that:	
0.00	(A)	countries which are rich in labour	will in	port labour - intensive goods
	(B)	countries which are rich in labour		TATAL STORY OF A CONTROL OF A STORY OF A STO
	(C)	countries which are rich in capital		
	(D)		Later Land	
29.	Wh	ich of the following would show u	ıp in t	he capital account of USA ?
	(A)	A plane made in the UK and sold	to buy	er in the US
	(B)	A UK pension fund investing in the	US:	stock market
	(C)	An Englishman living and working	in A	istralia
	(D)	An English car sold in Italy		
30,	In t	he study of international econom	ics w	use the tools of :
-	(A)	micro economic theory only		
	(B)	macro economic theory only		
	(C)	neither micro nor macro theory		
	(D)	both micro and macro theory, but	we als	o extend, adapt and integrate them
31.	Pol	icles to boost export and restrict	impo	ts would, if successful, cause :
	(A)	a balance of payments suprplus	(B)	a capital account surplus
	(C)	capital account deficit	(D)	current account deficit
32.	Acc	[2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017] [2017]	ion, d	evaluation will improve BOP defici
	(A)	sum of price elasticities of demand	d for e	xports and imports is equal to unity.
	(8)	sum of price elasticities of demand	d for e	xports and imports is less than unity.
	(C)			ports and imports is greater than unity
	1.00	The state of the s		xports and imports is equal to infinity.
33.	The	Bretton Woods system was :		
26011	10000	a gold standard	(8)	a flexible exchange rate system
	170.7		15.00	Alexand oil that blocked

27. Under the opportunity cost theory, the shape of production possibility curve

(B) Increasing returns to scale (D) Law of variable proportions

will be concave to the origin in case of :

(A) Constant returns to scale

(C) Diminishing returns to scale

D-	9	9	rage-8	A-Se
	(C)	Local bodies	(D)	Others
	$\langle A \rangle$	Central Government	(B)	State Government
40.	Tax	es on the consumption or sale	of elect	ricity is levied by :
	(6)	1 April, 2005	(D)	1 May, 2005
	7,02		0.150	DELIDATION CONTRACTOR
willy.	(A)	February, 2005	(B)	1 March, 2005
39.	Att	he State level Value Added Tax	(VAT)	has been introduced from :
	(C)	Globalization	(D)	Liberalization
	(A)	Controlling Bank Credit	(B)	Deficit and Debt. Management
38.	35.01	cal Policy Alms at :	2750	Dallah and Dahi Managaran
(SEED)	1444.11	YOUTEN AND DEEP AND THE		
	(C)	Capitalization taxes	(D)	Corporation tax
	(A)	Taxes on agriculture income	(8)	Entertainment tax
37.	Whi	ich of the following taxes is not	Impose	by State Government ?
	(0)	Assets Creation anough Center	ly apona	ored scriping
		Pensions Assets creation through central	lo ennos	orad vehama
	(B)	Subsidies		
	(A)	Interest payments		
36.	200-	ich of the following is not non-	plan exp	penditure ?
			d Total Carlo	
	(C)	Prof. Pigou	(O)	Peter A. Pyhr
	(A)	Wiseman and Peacock	(B)	Wagner
35.	Zen	o based budget was introduce	d by :	
	(962-6)	CASSISSE CAUSE.	150.00	
	(C)	1247 - 8441 44411	(D)	Japan
		U.K.	(B)	U.S.A.
34.	The	World Bank's largest shareho	lder is:	

-	Set		page-9	D-			
	(C)	1956	(D)	1954			
	(A)	1952	(B)	1951			
	pro	gramme was started in :					
45.	For	the all-around develop		nation, community developmen			
	(C)	Rural health	(D)	Rural Housing			
	0.50	Irrigation	25	Rural roads			
44.	0.000	various description and an arrangement		uded in the Bharat Nirman Scheme			
	(D)	rural people take more res					
	(C)	rural people do more hard physical work					
	1100		0100-000-000-000-00	W.			
	(B)	rural people have heavy b	orline				
-9-01	(A)	rural people eat more	1000 10 1110/2	man man and man and and and and and and and and and a			
40	6.4	S		than in the urban areas because :			
	(D)	lack of job opportunities					
	(C)	lack of access to healthcar	0				
	(B)	Illiteracy level					
	(A)	less number of means of tr	ansport				
42.	Whi	ch of the following is not	considered a	s a social indicator of poverty?			
	(D)	Current expenditure is Zer	0				
	(C)	Current expenditure is less	CHANGE CONTRACTOR				
	(B)	Current expenditure is gre-	and the same of th				
	(A)	Current expenditure are ec					
				172253C4171C1			

46.	The "Drain Theory" about poverty in	India is associated with:
	(A) M. Viswesaraiah	(B) V. K. R. V. Rao
	(C) Dadabhai Naoroji	(D) Subhash Chandra Bose
47.	. The calorie norms given by "Task Fo	orce on Projections of Minimum Needs and
	Effective Consumption Demand"	of the Planning Commission (1979), for
	defining the poverty line are:	

- (A) 2100 calories per capita per day for urban areas and 2400 calories per capita per day for rural areas.
- (B) 2400 calories per capita per day for rural areas and 2100 calories per capita per day for urban areas.
- (C) 2000 calories per capita per day for urban areas and 2800 calories per capita per day for rural areas.
- (D) 2800 calories per capita per day for urban areas and 2000 calories per capital per day for rural areas.

48. In the Harrod-Domar equation g = s/v, v is defined as :

- (A) the value of the country's capital stock
- (B) the ratio of the country's capital stock to its output
- (C) the change in the country's capital stock
- (D) none of the above

49. Which of the following denotes an underdeveloped economy?

- (A) High level of inequalities
- (E) Low level of capital productivity
- (C) A relatively closed economy
- (D) All of the above

A-	Set	pag	e-11		D-9			
_	(C)	1950-1955	(D)	1951-1958				
	(A)	1947-1952	(B)	1949-1954				
55.	Firs	t Five Year Plan in India was from	12					
	(C)	Central Statistical Organisation	(D)	None of these				
		ACTION OF THE PROPERTY OF THE		National Data Center				
54.	The	data of estimation of India's Nat	onal l	ncome is issued by :				
	(C)	Assam	(D)	West Bengal				
	(A)	Andhra Pradesh	(B)	Sikkim				
53.	Whi	ich state is the biggest tea produ	cer in	the country ?				
	(0)	work characters.	(6)	Anniya ded				
	(C)	Joy Chateriee	(B)	Max Muller Amritya Sen				
52.	Who (A)	o is known as father of Economic Adam Smith	7	Efect Thilless				
	175		500					
	(C)	58%	(D)	64%				
	(A)	46%	(B)	50%				
51.	Approx% of Indian population is still Agriculturist.							
	(D)	All of the above						
	(C)	Improvement in distribution system	m:					
	(B)	Improvement in production						
	(A)	Improvement in the technology in	evlove	i				
50.	Wh	ich of the following explains the	term e	conomic development?				

56.	Whi	at is NSSO ?
	(A)	National Social Science Organisation
	(B)	National Social Study Organisation
	(C)	National Security Science Organisation
	(D)	National Sample Survey Organisation
57.	Res	erve bank of India was established on :
	(A)	1st April, 1935
	(B)	1st April, 1938
	(C)	1st April, 1937
	(D)	1st April, 1938
58.	Nat	tional Bank for Agriculture and Rural Development (NABARD) w
	esti	ablished in :
	(A)	1980 (B) 1981
	(C)	1982 (D) 1983
59.	GIII	l-edged market means :
	(A)	market of government securities
	(B)	bullion market
	(C)	market dealing with metals
	(D)	market dealing with export
60.	Gro	oss domestic capital formation is defined as :
	(A)	Flow of expenditure devoted to increased or maintaining of the capital stock
	(B)	Expenditure incurred on physical assets only
	(C)	Production exceeding demand
	(D)	Net addition to stock after depreciation

SEAL

CET (PG) - 2017

Booklet Series Code : A

Important: Please consult your Admit Card / Roll No. Slip before filling your Roll Number on the Test Booklet and Answer Shoet.

(In Figures)	(In Words)
Roll No.:	
O.M.R. Answer Sheet Serial No. :	
Signature of the Candidate :	

Subject : M.A. (Hons.) Geography

Time : 90 Minutes] [Maximum Marks : 75

No. of Questions : 75] [Total No. of Printed Pages : 16

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

INSTRUCTIONS :

- Write your fall No. on the Question Bookist and and on the OSSE Arrays: Sheet in the source provided and mowhere else.
- Enter the Subject and Series Code of Question Blocklet on the OMR Answer Sheet. Darken the corresponding bubbles with Black Ball Point/Black Get Pers.
- 3 Do not make any identification ment do the Answer Sheet or Question Booklet.
- 4. To open the Question buddlet remove the paper year gently when asked to do so.
- Flease shock that this Question Reporter contains 75 questions in case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of test.
- Each question has four alternative answers (A. B. C. D) of which only one is correct. For each question, darken only one butter (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Mack Ball Point/Block Sel Pen.
- F. If you do not sent to answer a question, have all the bubbles corresponding to that question black in the Answer Sheet. No marks will be deducted in such cases.
- Darken the bubbles in the DMR Answer Sheet according to the Serial No. of the questions given in the Question Booklet.
- Negative marking will be adopted for evaluation i.e., 1/Ath of the marks of the question will be deducted for such wrong arriver. A wrong answer means incorrect answer or wrong filling of bubble.
- For calculations, use of simple kig tables is permitted. Burrowing of log tables and any other material is not allowed.
- 21. For yough work priy the sheets nucled "Rough Work" at the end of the Question Bucillet po usest.
- 12. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e., not following the instructions completely, shall be of the candidate only.
- 13. After the test, hand over the Question Booklet and the Answer Sheet In the Assistant Superintendent on duty.
- 14. In no case the Answer Sheet, the Question Booklet, or its part or any material copied/notal from this Booklet is to be taken out of the examination half. Any cardidate found doing to, would be expelled from the examination.
- 15. A candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper possibly of any assistance or feurid giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre Superintendent/Observer whose decision shall be final.
- Telecommunication equipment such as pager, cellular phone, wireless, scanner, etc., is not permitted inside
 the examination half. Use of calculator is not allowed.

_	Set	Troubalant .	page-3	D-5
	(C)	Triassic	(D)	Paleocene
	(A)	Mesozoic	(B)	Cenozoia
6.	The	most recent era of the geologi	ical time	scale is :
	(C)	Mesozoic	(D)	Pre-Cambrian
	(A)	Paleozoio	(B)	Eocene
5.	200	Cenozoic era follows		and the second
	(47)		MINI HUSS	
	(D)	Shortest day and shortest night	in a vea	
	(0)	Days and nights are equal		
	(B)	Nights are longer than days		
	(A)	Days are longer than nights		
	Env	inox means the :		
	(C)	Prime Meridian	(D)	Antarctic
	(A)	Equator	(B)	Poles
3.	Day	and night are equal at the :		
	(C)	Pictures	(D)	Contours
	(A)	Spot height	(B)	Layer colouring
2.		ual heights of places above se		
	(D)	None of these		
		environment		
	(C)	Environment of the earth's su	rface ar	nd the relationship of humans to this
	(B)	Environment of the earth surfac	a	
	(A)	Earth's surface		
1.	Geo	egraphic study encompasses t	he:	

D-	5		page-4		A-S
	(C)	Isobars	(D)	Belts	
	(A)	Snow lines	(B)	Seismic lines	
13,	Plac	es experiencing equal impac	of an ea	rthquake are called :	
	(C)	Exceptions	(D)	Thermosphere	
	(A)	Troposphere Exosphere	(B)	Ionosphere	
		propagation of radio signals			
12	1776		na caraca da se	Consection Contract and Co.	
	(C)	Mesosphere	(D)	None of these	
	(A)	Ozone layer	(B)	Tropopause	
11.	The	boundary between troposphe	ere and s	tratosphere is called :	
	(D)	The over deepening of a valley	y by ice a	ction	
	(C)	The subsidence of the floor of	Will resemble	20,000	
	(B)	The forces of tension on Earth			
	(A)	Formation of fold mountains			
10.	For	mation of a rift valley is due to	00		
	(0)	1 Santa an entrance			
	(D)	None of these	dim in		
	(C)	West of Greenwich, England East or West of Greenwich, Er	Promise		
	(A) (B)	East of Greenwich, England			
9.		th time zone is defined by its o	distance		
	(50)	Section of Highle	(0)	THURS OF HIRUSC	
	(C)	Both of these	(D)	None of these	
8.	(A)	arctic Circle is the parallel of: Longitude	(B)	Latitude	
0	A	sentia Cirola in the secolist of			
	(C)	55° 30' N of the equator	(D)	56° 30' S of the equato	1
	(A)	23° 30' N of the equator	(B)	23° 30' S of the equato	r.
7.	Arc	tic Circle is located at:			

14.	The	seasonal reversal of winds	s is the typic	al characteristic of :
	(A)	Equatorial Climate	(8)	Mediterranean Climate
	(C)	Monsoon Climate	(D)	All of these
15.	Who	at causes wind to deflect to	wards left i	n the Southern hemisphere?
	(A)	Temperature	(B)	Magnetic field
	(C)	Rotation of the Earth	(D)	Pressure
16.	Whi	ich one of the following we	ather condi	tions is indicated by a sudden fall
	bar	ometer reading ?		
	(A)	Stormy	(8)	Calm weather
	(C)	Cold and dry weather	(D)	Hot and sunny weather
17.	The	Capital of Austria is :		
	(A)	Bucharest	(B)	Beigrade
	(C)	Budopest	(D)	Vienna
18.	The	greatest mass of ice on th	e earth is fo	und in :
	(A)	Canada	(B)	Sibena
	(C)	Antarctica	(D)	Greenland
19.	"5y	ntaxial Bend" is a feature o	f which of the	he following ?
	(A)	Himalayas	(B)	Aravallis
	(C)	Satpuras	(D)	Vindhyas
20.	Tor	key is located between :		
	(A)	Black Sea and Caspian Se	a	
	(B)	Black Sea and Mediterrane	an Sea	
	(C)	Gulf of Suez and Mediterran	nean Sea	
	(D)	Gulf of Agaba and Dead Se	121	

A-Set

D-	5	page-6	A-Set
	(D)	Himachal Pradesh	
	(C)	Medhya Pradesh	
	(B)	Meghalaya	
	(A)	Andaman and Nicobar Islands	
	the	people in the region at :	
26.	The	transhumance is still an important componen	t of the socio-economic life of
	(D)	India and Myanmar	
	(C)	India and Pakistan	
	(B)	India and Nepal	
	(A)	India and China	
25,	Mc-	Mehon line is the border between :	
	(D)	Strait of Gibraltor	
	(C)	Strait of Florida	
	(B)	Bering Strait	
	(A)	Malacca Strait	
24.	Whi	ch one of the following straits is nearest to th	e international Date Line ?

	(D)	Decline in water supply			D-5
	d-454. le	Placellos To mater empelic			
	(C)	Aeolian silting of the canal			
	(B)	Progressive water logging			
	(A)	Increase in soil salinity			
	can	al command area ?		1	
33.	Whi	ch one of the following prol	blems is n	ot encountered in the Indire	Gandhi
	(6)	Linear	107	Filediter	
		Linear	(D)	Radial	
-	11111	Compact	(B)	Dispersed	
32	The	rural settlements of Kerala	are mostly		
	(C)	Granite	(D)	Sand stone	
	(A)	Limestones	(B)	Basalt	
31.	Roc	ks that are formed by the so	tidification	of lava are :	
	(D)	Filse in temperature			
	(C)	Movement of the clouds			
	(B)	Revolution of the earth			
	(A)	Seasonal reversal of winds			
30.	Mor	nsoon is caused by the :			
	(C)	Gujarat	(D)	Himachal Pradesh	
	(A)	Punjab	(B)	Rajasthan	
29,	Lun	River is in :			
	(C)	Jhelum Valley	(D)	Alaknanda Valley	
	(A)	Teesta Valley	(B)	Ravi Valley	
		ewas are terraces of glacial			
	(C)	Kastitiii Fiitialaya	(6)	Assum Fundaya	
	(A)	Punjab Himalaya Kashmir Himalaya	(B) (D)	Kumaon Himalaya Assam Himalaya	
		Banihal pass is in :	ital	Vivonen Himstoria	

A-Set

A-Se

	Ter	Degree Channel ?			/ 1
		Andaman and Nicobar			
	(8)	Nicobar and Sumatra			
	(C)	AND STREET AND ADDRESS OF THE PROPERTY OF THE PARTY OF TH			
	I Section	Sumatra and Java			
42.	Wh	ich one of the following rivers	does no	t originate in India ?	
	(A)	Beas	(B)	Ravi	
	(C)	Chenab	(D)	Sutfej	
43.	Wh	ich one of the following rivers	s originate	at Amarkantak ?	
	(A)	Damodar	(B)	Mahanadi	
	(C)	Narmada	(D)	Tapti	
44.	Wh	ere are Shevaroy hills located	1?		
	(A)	Andhra Pradesh			
	(B)	Kamataka			
	(C)	Kerala			
	(D)	Tamil Nadu			
15.	Whi	ch of the following does not	share its t	oorder with Uttar Pradesh ?	
	(A)	Punjab	(B)	Rajasthan	
	(C)	Chattisgarh	(D)	Jharkhand	
16.	Nan	da Devi peak forms a part of			
	(A)	Assam Himalayas			
	(B)	Kumaon Himalayas			
	(C)	Nepal Himalayas			
	(D)	Punjab Himaleyas			

A-Set

47.	Whi	ich one of the following is r	not a lagoon	?
	(A)	Ashtamudi Lake	(日)	Chilka Lake
	(C)	Periyar Lake	(D)	Pulicat Lake
48.	in Ir	ndia, which of the following	States has	the largest inland saline wetland?
	(A)	Gujarat	(B)	Haryana
	(C)	Madhya Pradesh	(D)	Rajasthan
49,	The	Dulhasti Power Station is	based on w	hich one of the following rivers?
	(A)	Beas	(B)	Chenab
	(C)	Ravi	(D)	Sutlej
50.	The	thermal power plant of Bo	karo is loca	ted in :
	(A)	Bihar	(B)	Chhattisgarh
	(C)	Jharkhand	(D)	Orissa
51.	The	most important fishing gro	unds of the	world are found in the regions when
	(A)	Warm and cold atmospheric	currents me	pet
	(B)	Rivers drain out large amou	ints of freshv	vater into the sea
	(C)	Warm and cold oceanic cur	rents meet	
	(D)	Continental shelf is undulated	ing	
52.	The	rivers that pass through H	imachal Pra	edesh are :
	(A)	Beas and Chenab only		
	(B)	Beas and Ravi only		
	(C)	Chenab, Ravi and Sutlej or	niy	
	(D)	Beas, Chenab, Ravi, Sutlej	and Yamun	a
53.	The	divides India into	almost two	equal parts.
	(A)	Tropic of Capricorn	(B)	Tropic of Cancer
	(C)	Arctic Circle	(D)	Antarctic Circle

A-	Set		page-11	D-5					
	(C)	Distributary	(D)	Both (a) and (c)					
	(A)	Tributary	(B)	Stream					
	ríve	r.							
60.	Α	is a river that a	ter flowing sepa	rately joins and merges with a large					
	(C)	Delta	(D)	Gorge					
	1.0	Estuary	176.50	Canyon					
59.		is a fan shaped	The state of the s	Charles to the Control of the Contro					
				7.00					
	(C)	Tamil Nadu	(D)	Andhra Pradesh					
	(A)	Gujarat	(B)	Uttar Pradesh					
58.	The	largest oil seeds gro	wing State in Indi	in is :					
	(Newly)	NEATHER STATE OF THE STATE OF T	(10)						
	0000	Rajasthan	(D)	Kamataka					
		Gujarat	(B)	Maharashtra					
57.	Wh	This harmon was a second second	tate is termed as	s the largest jowar growing State in					
Link	Manager 1		AND ASSESSMENT ASSESSM						
	(C)	Pulicat Plain	(D)	Kathiawar Plain					
	(A)	Vindhya Plain	(B)	Utkal Plain					
56.	The	Coastal tract of Orise	a is also known	as the :					
	(C)	Both (a) and (b)	(D)	None of these					
	(A)	Delta	(B)	Estuaries					
	We	st Coast.							
55.	The formation of is one of the prominent geographical features of the								
	1325		1000						
	(C)	Mount Abu	(D)	Anai Mudi					
	(A)	Dhaulavira	(B)	Guru Shikhar					

54. Which of the following is the highest peak of the Aravalli Range?

61.	The	largest catchment area among the Peninsular Rivers is of the river :
	(A)	Godavari
	(B)	Mehanadi
	(C)	Krishna
	(D)	Kaven
62.	Whi	ch of the following rivers flows from East to West ?
	(A)	Mahanadi
	(B)	Krishna
	(C)	Tapti
	(D)	Godavari
63.	Wh	at is mixed farming ?
	(A)	Growing Rabi as well as Kharif crops
	(B)	Growing several crops
	(C)	Growing several crops and also rearing animals
	(D)	Growing sugarcane as well as cereals
64.	Wh	ich of the following rivers has a bird's foot delta ?
	(A)	The Amazon
	(B)	The Brahmputra
	(C)	The Mississippi
		The Nile
65.	Wh	ich one of the following is a river port ?
	(A)	
	(B)	Lisbon
	(C)	Marseillas
	(D)	Stockholm

A-S	et	page-13	D-5
		Choreschematic map	
		Chorochromatic map	
		Isopleth map	
		Choropleth map	
		weather map shows isobars. It is an example of :	
	(D)	Kashmir	
Į.	(C)	Myanmar Nepal	
	(B)		
0.00	(A)	kanyoma is the extension of the Himalayas located in : Baluchistan	
69.	Arni		
	(D)	Sikkim	
	(C)	Jammu and Kashmir	
	(B)	Kamataka	
	(A)	Himachai Pradesh	
68.	The	Great Himalayan National Park lies in :	
	(D)	Negroids	
	(C)		
	(B)	Australoids	
	(A)		
67.	Th	e Aryans belong to which of the following race ?	
	(D)	Mozambique	
	(C	Tanzania	
	(B)	Somalia	
	A) Kenya	
66	M	. Kilimanjaro lies in :	

D-	5		page-14	A-Set
	(D)	Yellow Revolution		
	(C)	White Revolution		
	(B)	Golden Revolution		
	(A)	Blue Revolution		
75,	The	term "Operation Floor	d" is associated with :	
	(D)	Kandla		
	100	Paradip		
	3.7	Dahej		
		Kochi		
		owing is a minor port?		
74.			egorised as major and minor port	s. Which one of the
	(50.5)		5 7 101 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	(D)	Singapore		
	(C)	Manila		
	(B)	Jakarta		
	(A)	Colombo	7.50	
73.	Whi	ich one of the following	g cities is nearest to the Equator 1	
	(D)	Philippines		
	(C)	Ghana		
	(B)	Cuba		
	(A)	Australia		
	folio	owing countries?		
72.	The	largest coral reef in ti	he world is found near the coast	of which one of the
	(D)	Cuba		
	(C)	Republic of Congo		
	(B)	Columbia		
	(A)	Chile		
71.	FOF	which one of the follo	wing countries Spanish is not an	omeiai ianguage r

Ouestion Booklet Series: A

Question Booklet Serial No. 110101

Maximum Marks: 75

CET (PG) - 2017

Important: Please consult your Admit Card/Roll No. slip before filling your Roll Number on the Test Booklet and Answer Sheet.

Roll No.	In Figure	In Words	
O.M.R. A	nswer Sheet Serial No.		
Signature of Candidate:		Signature of Invigilator:	
Subject:	M.E. (Computer Science	and Engineering/Information Technology)	

DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO.

Number of Questions: 75

INSTRUCTIONS:

Time: 90 Minutes

- Write your Roll No. on the Questions Booklet and also on the OMR Answer Sheet in the space provided and nowhere else.
- Enter the Question Booklet Serial No. on the OMR Answer Sheet. Durken the corresponding bubbles with Black Ball Point/Black Gel Pen.
- Do not make any identification mark on the Answer Sheet or Question Booklet.
- Please check that this Question Bisoider contains 75 Questions. In case of any discrepancy, inform the Assistant Superintendent within 10 minutes of the start of Test.
- 5. Each question has four alternative answer (A,B,C,D) of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the Answer Sheet with Black Hall Point/Black Gel Pen. There shall be negative marking for wrong answer. % of the marks of the question will be deducted for every wrong answer.
- 6. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the Answer Booklet. No marks will be deducted in such cases.
- Durken the hubbles in the OMR Answer Short according to the Serial No. of the question given in the Question Booklet.
- 8. If you want to change an already marked answer, erase the shade in the darkened bubble completely.
- 9. For rough work only the blank sheet at the end of the Question Booklet be used.
- 10. The University will provide Logarithmic table. Burrowing of log table or other material is not allowed.
- 11. The Answer Sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given on the Answer Sheet, it may make evaluation by the computer difficult. Any resultant loss to the candidate on the above account, i.e. not following the instructions completely, shall be of the candidate only.
- After the test, hand over the Question Booklet and the Asswer Sheet to the Assistant Superintendent on duty.
- 13. In no case the Answer Sheet, the Question Booklet, or its part or any material supjed/noted from this Booklet is to be taken out of the examination hall. Any candidate found doing so would be expelled from the examination.
- 14. A candidate who creates disturbance of any kind or changes his/her sest or is found in possession of any paper possibly of any assistant or found giving or receiving assistant or found using any other unfair means during the exantination will be expelled from the examination by the Centre Superinsendent/Observer whose decision shall be final.
- 15. Communication equipment such as mobile phones, pager, wireless set, scanner, camera or any electronic/digital gadget etc., is not permitted inside the examination hall. Use of calculators is not allowed.
- 16. The cambidates will not be allowed to leave the Ecomination Hall/Room before the express of the allotted time.

	Powe	on Self Test (POST) diagnostic test determines
	A)	That the computer hardware like RAM, Keyboard, Disk drives works correctly.
	B)	Format of the Hard Disk
	C)	Operating System to be installed on computer
	D)	Life time of Hardware.
	99	atte tittle of riamware.
Ĭ	2.17	crabytes is equal to
	A)	21000 Gigabytes
	B)	210 Gigabytes
	C)	2100 Gigabytes
	D)	21000 Megabytes
	400	2. Cook teaching too
	Whic	h of the following is a volatile memory?
	A)	ROM
	B)	Hard Disk
	(C)	RAM
	D)	DVD
ě	A mo	bile phone has display resolution of 1920 x 1080. What is the aspect ratio?
	A)	9:16
	B)	16:9
	C)	4:3
	D)	3:4
	Sunn	ose instead of using 16 bits for the network part of a class B IPv4 address, 21 bits have been
	used	How many class B sub-networks will be there?
	A)	32
	B)	5
	C)	30
	D)	3
	A con	action is charged by constant current of 4 mA and results in a voltage increase of 12V in a 13
	secon	ds interval. Value of capacitance is
	A)	36.9 mF
	B)	4.33 mF
	(C)	39 mF
	D)	5-71 MOTTELLE.
	(0)	3.69 mF
	Given	that AB+A'C+BC = AB +A'C, then (A'+C)(B+C)(A+B) is equivalent to
	A)	(A'+B)(A+C)
	B)	(A+B)(A'+C)
	C)	(A+B')(A'+C)
	D)	(A+B')(A'+C')
	He.J	The state of the s

What will be the output of following: #include<stdio.h> maint) int i = 8, j, k; ++i=++j=++k=8;printf("in %d 's %d 's %d", i , j, k); A) 10 9 8 BI 8 9. 10 (C) ġ. g 8

 What will be the output of following: #include<stdio.h>
main()

11

int i = 7; for(i=0; 0; i<9) printf("\n %d", i); printf("\text{UEnd of Line"});

A) 7777

11

D)

- B) End of Line
- C) 0 1 2 3 4 5 6 7 8 9 End of Line

11

D) 0 1 2 3 4 5 6 7 8

10. A method of ensuring electronic document integrity

- A) Finewall
- B) SSL
- C) Authentication
- D) Digital Signatures

11. Recursive functions are executed in:

- A) Last in First out order.
- B) First in First out order
- C) Parallel Order
- D) Random order

12. Give the output of following 'c' code:

#define sum(x) x+x void main()

- printf("Sum=%d", sum(5)*sum(6));
- A) 120
- B) 22
- C) 111
- D) 41

13.		h of the following would be ad without the permission o			software is copied and g	given to
	A)	Freeware	2000			
	B)	Piracy				
	(7)	Shareware				
	D)	public domain				
	20)	punic domain				
14.		the number of comparison 9, 25, 30, 35, 37, 45, 52, 69	The state of the s	search method rec	quired to search 1000 i	п аптау
	A)	4				
	B)	9				
	(C)	0				
	Dy	Binary search can not be	performed on th	ris data.		
15.	Evalu	uate postfix expression: 12	117-7215	+ + +		
	(A)	16				
	B)	17				
	(C)	15				
	D)	14				
	-201					
16.		n following sequence is inse sub-trees of root are: 52	6 64 20 3	y search tree then 25 14 9	the number of nodes in 85	left and
	(A)	Left nodes = 5 and Right	nodes = 3			
	B)	Left nodes = 6 and Right	nodes = 3			
	(C)	Left nodes = 3 and Right	nodes = 5			
	D)	Left nodes = 3 and Right	nodes = 6			
	Sec.	A 100 A 100 A 100		A Mineral and America	LA	
17.		the following list by their				
	(i) n		iii) log n	(iv) n1	(v) n log n	
	A)	iii - i - v - iv - ii				
	B)	$ii \rightarrow i \rightarrow v \rightarrow iv - iii$				
	(C)	iii i i v ii iv				
	D)	iii - v - i - iv - ii				
18.	belov	ogram is written to turn on/o w 18 and then it is turned of ify the Equivalence values v 12,16,22 22,23,24	on when the ten	aperature is more		
	(C)	14,15,19				
	D)	24,27,17				
19.	How A) B) C)	can you make an e-mail lin «mail>xxx@yyy «a liref="xxx@yyy"> «a liref ="mailto:xxx@y				
	D)	"mail byef="xxx///yyy"				
		The state of the s				

20.	Match the following: a) HTML (ii) Protocol for sending electronic mail on the Internet. b) HTTP (ii) Company that charges fee to enable organizations to connect to Internet c) ISP (iii) Set of tags and related rules that are used to create web pages. d) SMTP (iv) Internet standard that supports exchange of information on Web.
	 d) SMTP (iv) Internet standard that supports exchange of information on Web. A) a)-(iii) b)-(iv) c)- (ii) d)-(ii) B) a)-(iv) b)-(i) c)- (iii) d)-(iii) C) a)-(iv) b)-(i) c)- (ii) d)-(iii) D) a)-(iii) b)-(i) c)- (iv) d)-(i)
21.	if we use x ⁴ +x ² +1 polynomial standard, what would be the cyclic redundancy check if the original data component was 110) 1? A) 1010 B) 1101 C) 1001 D) 0101
22.	Convert the following: (426)8 = (
23,	A single array A[1MAXSIZE] is used to implement two stacks. The two stacks grow from opposite ends of the array. Variables top1 and top2 (top1 <top2) "stack="" (top1="MAXSIZE/2)" (top2="MAXSIZE)" a)="" and="" b)="" be="" c)="" condition="" d)="" each="" efficiently,="" element="" full"="" if="" in="" is="" location="" of="" or="" point="" space="" stacks.="" the="" to="" top1="top2-1</td" top1+top2="MAXSIZE" topmost="" used=""></top2)>
24.	How many address lines are needed to address each memory location in a 2048 x 4 memory chip! A) 10 B) 11 C) 12 D) 4
25.	In a link list, the successive elements A) Must be stored in contiguous memory space B) Need not occupy contiguous memory space C) Must not occupy contiguous memory space D) None of the above

- 26. Suppose a Web server application generates messages consisting of 120 bytes of data to be sent. Message gets encapsulated in a TCP segment and then an IPv4 datagram. There are no options added in the TCP or IP headers. What is percentage of IP datagram size consisting of application data?
 - A) 90%
 - B) 60%
 - C) 75%
 - D) 50%
- 27. Suppose an operating system (OS) designer chooses the micro-kernel architecture over the monolithic architecture for implementing an OS. What can be the strongest motivating reason for this choice?
 - A) The need for maximum performance
 - B) Because hardware support exists for micro-kernels on most microprocessors
 - C) The desire to have a flexible and extensible kernel
 - Need for performance isolation among uner-level processes
- 28. Consider the following function in C:

```
Test (int ii) {

if (i) == 0) return 0;

else return ii += Test(ii - 1);
```

When the above function is called with a non-zero positive value, it always returns value of

- A) 11
- B) 11-1
- C) tl*(tl+1)/2
- D) Zero
- The machine independent palises of the compiler:
 - A) Syntax Analysis
 - B) Lexical Analysis
 - Intermediate code generation
 - D) All of the above
- 30. Given the following expression grammer

Which of following is true

- A) * has higher precedenc than +
- B) has higher precedenc than *
- C) + and have same precedence
- D) + has higher precedenc than *
- 31. A graph in which all vertices are of equal degree is :
 - A) Regular graph
 - B) Simple Graph
 - C) Complete Graph
 - D) Bipartite Graph

32.	The molis: A) B) C) D)	Power consumption Most secondary storage devices are too big to fit into the CPU Secondary storage is mostly bi-state, but main memory is mostly tri-state Speed of access; secondary storage is much slower
	hecause	fiber is one of the most attractive physical layer media to use for high speed networks It offers immense transmission bandwidth It has extremely low error rates It can cover relatively large geographic distances before requiring repeaters All of the above
34.	A) B)	Coperating system, command used for backups and achieves is Tar Backup Archeive None of above
35;	In order	to enhance performance of the computer. Disk defragmenter

Consolidates parts of files lying at different locations on computer's hard disk.

4MB, 3MHz, 1000MB Al

All of the above.

B)

(1)

D)

- 4GB, 3.3 GHz, 1000GB B)
- 4GB, 1GHz, 1000KB C
- 4GB, 3kHZ, 1000GB D)
- You want to use multiple operating system like linux, windows etc. concurrently on single machine. The best way to achieve this is:
 - Make machine multiple bootable like using GRUB Al

Deletes temporary files related to Internet.

Deletes temporary files related to backup.

- Use virtualization software like VMWare B)
- It is not possible (C)
- None of Above D)
- Which of the following optical transducer is an active transducer? 38.
 - A) Photo transistor
 - Photo emissive cell 183
 - Photo voltaic cell (C)
 - Photo diode D)

39.	Let /	c = 656, B = 473 and C = 1351, then in which of the following number systems is the
	equat	ion A + B = C satisfied?
	A)	Binary
	B)	Decimal
	(C)	Hexadecimal
	D)	Octal
40.	If los	z 16 = n, then the value of n is :
	A)	
	B)	8
	(C)	6
	D)	4
41.		many memory chips of (128x8) are needed to provide a memory capacity of 2048x16?
	A)	64
	B)	128
	(C)	16
	D)	32
42.	Ifan	station scheme is in BCNF, then it is also in
	A)	Multiple normal forms
	B)	Third normal form
	0	Second normal form
	D)	First normal form
43.	withi	h term matches the following definition? The art and science of hiding secret messages a some other form that is usually visible or out in the open for anyone to see if they knew e to look.
	A)	Digital Signature
	B)	Steganography
	(C)	Encryption
	D)	Digital Watermarking
44.	Cook	ies were designed as a response to which problem in the original design of HTML and
	A)	Lack of privacy and confidentiality in viewing web-pages
	B)	Inequality if information between clients and servers
	(C)	The open and distributed nature of the Internet
	D)	Persistence of state between web-sessions
45.	They	ntity relationship diagram
400	A)	Indicates how data are transformed by the system
	B)	Indicates system reactions to external events
	(C)	Depicts relationships between data objects
	D)	Depicts functions that transform the data flow
	100	Arigoson, Managrana arian annocambana aria anno anno aria

		D)	39.5
	47.	The	emerging standard for WPANs is the IEEE
		A)	802.5
		B)	802.15
		(C)	802.11
		D)	802.20
	48.	Whic	h one of the following statements is not correct?
		A)	Cyclometric complexity for a flow graph G is $V(G) = E - N + 2$, where E is the number edges & N is the number of nodes in the flow graph.
		B)	Cyclometric complexity for a flow graph G is V(G) = P + 1, where P is the number predicate nodes contained in the flow graph G.
		C)	Cyclometric complexity for a flow graph G is V(G) = N - E + 2, where E is the number edges and N is the number of nodes in the flow graph.
		D)	The number of regions corresponds to the cyclomatic complexity.
	49.	22012	Scheduling refers to
	4.0	A)	Swapping processes from secondary to main memory
		B)	Switch off the power of processor
		(C)	Management of processes in main memory
		D):	Allowing processes to use the processor
	50.	Whie	h of the following tag in HTML is used to add a row to a table
		(A)	sid>
ţ.		133	ALS:
		(0)	Stows
		D)	<tuple></tuple>
	51.	The P	aring Technique that avoids backtracking in:
		A)	Predictive Pursing
		(B)	Top Down Parsing
		(C)	Syntax Tree
		D)	Recursive Descent Parsing
	52.	A pro	gram P calls two subprograms P1 and P2. P1 can fail 50% times and P2 40% times. Then
		A)	10%
		B)	50%
		(C)	70%
		D)	80%
		1	(8)

A milk container contains 50 litres of milk. The milkman replaces 5 litres of milk by water. Bein not satisfied by the mixture, He again replaces 5 litres of this milk by water. How much quantit of milk is now left in the milk container?

40.5

40

41

A) B)

C

53.	AUP	S in a computer system:				
	A)	increases the storage capacity of a computer system				
	B)	increases the process speed				
	(C)	provides backup power in the event of a power cut				
	D)	Increases I/O speed				
54.	Which	of the following software is available in open source and free domain				
	A)	Adobe Photoshop				
	H)	MS-Windows				
	(C)	Microsoft-Office				
	D)	Linux				
55.	comn	wish to install a hardware device that is not Plug and Play. Which of the following tonly the first instruction given in help manual to install this device?				
	A)	Turn the power off				
	B)	Install the driver				
	(C)	Disconnect the monitor				
	(D)	Install the device				
56.	Print.	server uses which is a buffer that holds data before it is send to the printer.				
	A)	Queue				
	B)	Node				
	(C)	UPS				
	D)	Spool				
57.	Identi	ty theft is the				
	(A)	impersonation by a third of someone's identity for purpose of economic/ social gain				
	B)	impersonation by a thief of someone with good credit				
	(C)	impersonation by a thief of someone with computer skills				
	D)	impersonation by a thief of someone with a large bank account				
58.	RS-23	52 is a standard that applies to?				
	A)	Game port				
	B)	Parallel port				
	(C)	Serial port				
	D)	USB Port				
59.	Data	Data Definition Language (DDL)				
	A)	describes how data are structured in the data base				
	(B)	specifies for the DBMS what is required; the techniques used to process data				
	(C)	determine how data must be structured to produce the user's view				
	Di	All of the above				

bon P

60.	A do	current called	is created by decomposing the project scope into smaller, more
	man	ageable elements	
	A):	Scope Staten	ient
	B)	Work Breaks	lown Structure
	(C)	Requested C	hange
	D)	Network Log	THE PARTY OF THE P
61.	Who	is considered th	e "father" of World Wide Web?
14,500	A)	Ted Nelson	
	B)	Bill Gates	
	Ci	Tim Berners	Lee
	D)	Narayap Mu	
-6	4 4		The second secon
62.			o 'Circumference' in the same way 'Square' is related to what?
	-53	Angle	
	B)	Area	
	(c)	Dingonal	
	D)	Perimeter	
63.	Assi	me that the follo	wing statements are true
		Statements: 5	some saints are Faquirs:
			No Faquir is King.
		Conclusions	1. Some saints are kings.
		TOOMS-COMME !	II. No saint is king.
	A)	Only I	
	B)	Both Land II	
	(C)	Only II	
	D)	Neither I nor	ii
0.002	0.00	SAFES LINE FOR SEVENISHED	City the street and the contract of the contract of the street of the contract
04.	10.1		ive indication of the degree to which a module
	A)		riplete its function in a timely manner
	B)		to other modules and outside world
	C		ost one thing
	D)	Can be writt	en more compactly
65.	The	conditions imme	diately outside the software system is called
	A)	The gaviron	THERE
	B)	The boundar	y
	(C)	The graphics	al user interface
	10)	None of the	
66.	DNS	S servers trunslat	es web addresses or host names to :
200	A)	Host Name	
	B)	IP address	
	C)	FTP address	
	D)	MAC address	
	A.C.	CANADA CONTROLES	

(10)

17.	Which	of the following items would not come under Configuration Management of software?
7	A)	operating systems
	B)	test documentation
	C)	user requirement document
	D)	live data
	100	The state of the s
8,	An un	solicited e-mail message sent to many recipients at once is a
	A)	Trojan horse.
	B)	Spam Mail
	C):	Spy ware
	D)	Worm Mail
9.	Virtu	al memory is:
	A)	related to virtual reality
	B)	a form of RAM
	C)	a form of ROM
	D)	a form of I/O
Ð.	Buck	up procedure helps in
***	A)	restoring the data files whenever there is a system crash
	B)	restoring the operation whenever there is a disk failure
	C)	restoring both application and system software whenever there is disk corruption.
	D)	All of the above
1.	inform	play is configured to show 1 million colors. How many bytes are needed to store the color nation for one pixel?
	A)	
	B)	3
	(C)	
	D)	
2.		yelomatic complexity metric provides the software designer with information regarding the
	numb	
	(A)	Independent logic paths in the program
	B)	Cycles in the program
	(C)	Errors in the program
	D)	Statements in the program
3.	Consi	ider the experiment of tossing 2 dice. Let A be the event that the numbers appearing on top
	aire es	ual, and B be the event that both numbers are even. How many outcomes will the event A n
		isists of?
	A)	
	B)	3
	C)	4
	D)	6

70	A blometric device	100
C 100 at	AT DRUBBURE REAL	

- Allows users to connect to a computer only after the computer calls back at a previously established telephone number
- B) Authenticates a person's identity by verifying personal characteristics
- Is a unique combination of characters, such as letters of the alphabet or numbers, that identifies one specific User
- Is any Item that must be carried to gain access to a computer or computer facility.

75. A machine cycle refers to :

- A) fetching an instruction
- B) clock speed
- fetching, decoding and executing an instruction
- D) executing an instruction

T-I-I