(6 pages) Reg. No. :	3. Who developed psychoanalytical Theory?
Code No.: 22969 E Sub. Code : JCSB 5 A	(a) F.W. Taylor(b) Berne(c) A. Maslow(d) Sigmund Freud
U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.	4. Psychoanalytical Theory deal the level of Consciousness of
Fifth Semester	(a) ID (b) Ego
Part IV — Common Skilled	(c) Super Ego (d) All the above
PERSONALITY DEVELOPMENT (For those who joined in July 2016 onwards)	5 refers to those factor that are determined at conception.
Time : Three hours Maximum : 75 marks	(a) Cognitive (b) Heredity
PART A — $(10 \times 1 = 10 \text{ marks})$	(c) Environmental (d) None of the above
Answer ALL questions.	6 reflect a person's comfort level with
1. Personality refers to the sum total of enduring	relationship.
	(a) Extroversion (b) Judging
(a) Attitude (b) Behaviour (c) Attributes (d) None	(c) Both (d) None of the above
2. From the following which is not a personality theory?	 refers to a person's ability to cop with stress.
(a) Type(b) Trait(c) Humanism(d) Forced Choice	(a) Introversion(b) Emotions(c) Personality(d) All the above
	Page 2 Code No. : 22969 E

3.	Locus	of	control	is	a	component	of	personality
----	-------	----	---------	----	---	-----------	----	-------------

- (a) Stage (b) Mode
- (c) Traits (d) Performance
- <u>—</u> is the process of encouraging helping others to work towards objectives.
 - (a) Leadership (b) Motivation
 - (c) Personality (d) Behaviour
- 10. Who developed Type A & B personality?
 - (a) Friedman (b) Erikson
 - (c) Jean Piaget (d) Chris argyris
 - PART B $(5 \times 5 = 25 \text{ marks})$
 - Answer ALL questions, choosing either (a) or (b). Answer should not exceed 250 words.
- 11. (a) Write a short note on adolescence.

Or

(b) Briefly explain the consequences faced by adulthood.

Page 3 Code No. : 22969 E

12. (a) What is Conscientiousness? Explain.

Or

- (b) Briefly explain the term Extraversion.
- 13. (a) Briefly explain the low self esteem.

Or

- (b) Explain the various steps of better Self Esteem.
- 14. (a) Enumerate the factors effecting heredity theory.

Or

- (b) Write a short note on psycho analytical theory.
- (a) Briefly explain the important steps of problem solving.

Or

(b) Write a short note on Leadership.

Page 4 Code No. : 22969 E [P.T.O.]



PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Answer should not exceed 600 words.

16. (a) Reuben Hill's the nine important stages model of the family cycle?

Or

- (b) Explain the associated Consequences of Family Violence across the life course.
- 17. (a) Explain the Dimension of personality.

Or

- (b) State the importance of communication.
- (a) Explain the steps for maintaining Positive Attitude.

Or

- (b) How does the self concept gets formed during difference stages of human development?
- (a) "The period of adolescence is the period of storm and stress" - Explain this Stanley's statement.

Or

(b) How Environment influence on Personality Development?

Page 5 Code No. : 22969 E

20. (a) Distinguish between Type A and Type B Behaviour.

Or

(b) Elucidate the qualities of leadership.



(6 pages)	Re	eg. No. :	2.	is defined using the lengths of two axes the longer one is called the major axis and
Code No. :	41296 E	Sub. Code : JMCA 51	1	the shorter one the minor axis
B.C.A. (0	CBCS) DEGR NOVEME	EE EXAMINATION, ER 2018		(a) Regular polygon(b) Arbitary polygon
	Fifth Se	mester		(c) Ellipse
Co	omputer Appl	ication – Main	a.2	(d) Rotate
SC	OFTWARE EN	NGINEERING	3.	A is a label that describes the
Time : Three ho PA Choose the 1.	urs RT A — (10 × Answer ALL correct answ is the		• 4.	 criteria used into specialize a superclass into two or more subclasses (a) Generalization (b) Instance (c) Aggregation (d) discriminator is measured as the average amount
(a) Mode (b) Desig				of time that a server is running and available to respond to user
(c) Progr	ramming			(a) Reliability (b) Availability
(d) Deple	oyment			(c) Resource (d) Recovery
				Page 2 Code No. : 41296 E



- is a detailed language with many built in keywords designed to formally specify constraints in software models
 - (a) OCL (b) XML
 - (c) WML (d) UML
- 6. MVC stands for
 - (a) Mode view controller
 - (b) Model video controller
 - (c) Model view controller
 - (d) Mode video controller
- 7. A diagram is another way of expressing dynamic information about a system
 - (a) Activity diagram
 - (b) state diagram
 - (c) collaboration diagram
 - (d) sequence diagram
- 8. A ______ is a situation where two or more threads are stopped waiting for each other to do something
 - (a) Livelock (b) critical races
 - (c) Deadlock (d) none

Page 3 Code No. : 41296 E

- 9. The _____approach decisions are made by consenus this can lead to more creative solutions
 - (a) egoless approach
 - (b) hierarchical approach
 - (c) multi process approach
 - (d) single process approach
- 10. A _____ chart is used to graphically present the start and end dates of each software engineering task
 - (a) earned value chart
 - (b) Gantt chart
 - (c) PERT chart
 - (d) Tracking chart

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) What is modelling?

Or

- (b) Explain the following
 - (i) methods
 - (ii) operations
 - (iii) polymorphism?

Page 4 Code No. : 41296 E

[P.T.O.]



1.1			1.1.1			
12.	(a)	Write about requirements?		17.	(a)	Explain about Interviewing.
		Or				Or
	(b)	Describe in detail about observation.			(b)	Describe about the Non functiona
13.	(a)	Explain about the Directionality in				requirements.
		associations.		18.	(a)	Discuss about Generalizations.
		Or	3.隆小			Or
	(b)	Explain the Collaboration diagrams.			(b)	Give a brief note on Instance diagrams.
14.	(a)	Discuss about Routine call coupling.	N.	19.	(a)	Explain about the Design for flexibility.
		Or			()	Or
	(b)	What are the different types of cohesion?			4	and the second
15.	(a)	Discuss about spiral model.			(b)	Give a brief note on Broker architectura pattern.
		Or		20.	(a)	Explain the Blackbox testing.
	(b)	What is Gantt charts?		-		Or
		PART C (5 × 8 = 40 marks)			(b)	Explain about phased release model.
	Answe	er ALL questions, choosing either (a) or (b).				
13						
	Ea	ch answer should not exceed 600 words.			, d	
16.	(a)	Explain about the software quality.				の英国ものがないに伴いへいのが足術
		Or	TR.			
	(b)	Discuss briefly about Risk in software engineering in detail.				

Page 5 Code No. : 41296 E

Page 6 Code No. : 41296 E

2.	A web browsers runs on
	(a) linux only
	(b) web-client computers
	(c) window only
	(d) Web-server computers
3.	Which of these following tag is used to add a ro to a table?
	(a) and
1	(b) <row> and </row>
	(c) <tablerow> and </tablerow>
	(d) and
4.	Which one oldie following is the correct syntax for importing a stylesheet in CSS?
	(a) @importurl("example.css")
	(b) @import-cssurl("example.css")
1.154	(c) @import styleurl("example.css")
16	(d) @import stylesheeturl("example.css")
5,	Which of the following keywords is used to return a value from a function?
1. 1	(a) return (b) pass
	(c) send (d) set
	3.

Page 2 Code No. : 41297 E



- 6. Which of the following characters is used as a choice operator?
 - (a) / (b) ^ (c) | (d) \$
- 7. Which of the flowing is not a correct name for an XML document?
 - (a) <para>
 - (b) <line>
 - (c) <1st>

.

- (d) all three names are incorrect
- 8. Which of the following element declarations is valid?
 - (a) <!ELEMENT' root(#CDATA)>
 - (b) <!ELEMENT root(#PCDATA)>
 - (c) <!ELEMENT root(#ANY)>
 - (d) <!ELEMENT root (#PCDATA")
- 9. Which of the following is a complied Language?
 - (a) C++ (b) Perl
 - (c) Python (d) Shell

Page 3 Code No. : 41297 E

- 10. Which of the following packages contains Servlet interface?
 - (a) Javax.server.servlet
 - (b) javax.servelet
 - (c) Java.server.servlet
 - (d) javax.servelet server

PART B — $(5 \times 5 = 25 \text{ marks})^{\circ}$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

 (a) What are the various types of websites? Discuss websites briefly.

Or

- (b) How will you write header in HTTP?
- (a) Create a HTML Page containing a text area maximum of 100 words with suitable tags.

Or

- (b) Write about the browser compatibility in CSS.
- 13. (a) How will you use an array as a stack in javascript?

Or

(b) What strings does this regular expression match? August | April 5, 2018.

Page 4 Code No. : 41297 E • [P.T.O.]



14. (a) What is XML Prolog and its parts?

Or

- (b) What is CDATA?
- 15. (a) What is Server side Programming? Explain.

Or

(b) What are the servlet Alternatives?

PART C --- (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What are the major issues in web solution Development?

Or

- (b) Explain in detail about URL and its anatomy.
- 17. (a) How will you create forms in HTML? And explain all form elements.

Or

(b) What is attribute selectors and what are the various types of attributes selectors in CSS?

Page 5 Code No. : 41297 E

18. (a) How are objects created in javascripts?

Or

- (b) Distinguish between regular expressiondirected engine. What is meant by Lazy regular Expression engine?
- 19. (a) How will you validate an XML?

Or

- (b) Write a java program to validate an XML document against a DTD.
- 20. (a) Write in detail about CGI security?

Or

(b) Explain about servelet filters.

Page 6 Code No. : 41297 E



(6 pages) Reg. No. :	2.				ata type is used to store giga bytes.
Code No. : 41298 E Sub. Code : JMCA 53		(a)	1	(b)	2
B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.	- 3.	(c) The	3	(d) — func	4 tion is used to suppress
- Fifth Semester		dup	licate values.		
RDBMS		(a)	DISTINCT	(b)	INSERT
(For those who joined in July 2016 onwards)		(c)	SELECT	(d)	RESTRICT
Time : Three hours Maximum : 75 marks	4.		order by claus		
PART A — $(10 \times 1 = 10 \text{ marks})$	1 S 6.	quei	ry to sort rows	in a tab	le.
		(a)	ROW	(b)	WHERE
Answer ALL questions.		(c)	EDIT	(d)	SELECT
Choose the correct answer :	5.				
When two transactions will happen at the same on		that	appear in both	1 querie	s results.
one table is known as		(a)	INTERSECT	(b)	UNION
(a) optimistic locking		(c)	UNION ALL	(d)	MINUS
(b) transaction log	6.	The		– is an o	oracle object that is used
(c) table locking		for fa	aster retrieval	of rows	from a table.
(d) none		(a)	Synonym	(b)	Select
	1.	(c)	Index	(d)	Alter
				Page 2	Code No. : 41298 E



- 7. The _____ block is a block of code without name.
 - (a) nameless
 - (b) synchronous
 - (c) asynchronous
 - (d) anonymous
- statement to add a new row in a table.
 - (a) ADD (b) UPDATE
 - (c) INSERT (d) APPEND
- In a _____ cursor the contents are known at compile time.
 - (a) implicit (b) static
 - (c) dynamic (d) explicit
- 10. A table is like the _____ but is unbounded.
 - (a) record (b) array
 - (c) graph (d) loop

Page 3 Code No. : 41298 E

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Describe about personal databases.

Or

- (b) Explain the creation of an oracle table with an example.
- 12. (a) Explain arithmetic operations with example.

\mathbf{Or}

- (b) Define HAVING clause. Explain with example.
- (a) Write short notes on Top-N analysis with example.
 - (b) Define synonyms. Explain with example.

Or

14. (a) Describe PL/SQL block structure.

2

Or

(b) Create a table called ITEM with one column called ItemNum with the NUMBER byte. Write a PL/SQL program to insert values of 1 to 5 for ItemNum.

Page 4 Code No. : 41298 E [P.T.O.]



15. (a) Write the types of cursors and give a short account of cursor variables.

Or

(b) What is meant by exceptions? Write about the types of exceptions.

PART C -- (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write about the data types in the oracle table and explain.

Or.

- (b) Explain altering an existing table in detail.
- 17. (a) Give any five DML statements and explain with example.

Or

- (b) Explain BUILT-IN functions in detail.
- (a) Write short notes on join condition and discuss the various types of table joins.

Or

(b) Explain controlling access. Write about the privileges of database administrator.

Page 5 Code No. : 41298 E

19. (a) Explain PL/SQL data types in detail.

Or

- (b) Give the three basic control structures and explain about the selection structure.
- (a) Describe the attributes of the explicit cursor and implicit cursor with example.

Or

(b) What are composite data types? Explain.

Page 6 Code No. : 41298 E

(6 pages)

Reg. No. :

Code No.: 41304 E Sub. Code : JMCA 5 C

B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

Fifth Semester

Computer Application - Main

Elective II — DATA MINING

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer.

- 1. What is the principle of sorting through large amounts of data and picking out relevant Information?
 - (a) databașes
 - (b) knowledge discovery
 - (c) data mining
 - (d) extraction

- 2. Which type of tasks characterize the general properties of the database?
 - (a) descriptive mining
 - (b) predictive mining
 - (c) data mining
 - (d) knowledge mining
- 3. Which one appear frequently in a dataset?
 - (a) itemset
 - (b) correlations
 - (c) frequent patterns
 - (d) data
- 4. Which algorithm is a seminal algorithm for mining frequent itemsets for Boolean Association rules?
 - (a) Correlation
 - (b) Apriori
 - (c) K-means
 - (d) Association rule
- 5. What is a form of data analysis that extracts models describing important databases?
 - (a) classification (b) correlation
 - (c) association (d) pattern

Page 2 Code No. : 41304 E



- 6. Which classifier uses a set of IF-THEN rules in classification?
 - (a) Decision tree (b) Bayes method
 - (c) Naive method (d) Rule-based
- 7. What is the process of partitioning a set of data objects into subsets?
 - (a) cluster analysis (b) classification
 - (c) association (d)' rule-mining
- 8. Which method creates a hierarchical decomposition of the given set of data objects?
 - (a) Association
 - (b) Clustering
 - (c) Hierarchical method
 - (d) Pattern
- 9. Which mining contains a rich and dynamic collection of Information about web page contents with hypertext structures and multimedia?
 - (a) Text Data (b) Web Data
 - (c) Structure Data (d) Global Data
- 10. Which mining is the process of extracting useful Information from server logs?
 - (a) web data (b) text data
 - (c) content (d) web usage

Page 3 Code No. : 41304 E

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

 (a) What are all the applications of Data mining? Explain it.

Or

- (b) Write short note on Data Mining software.
- (a) Write short note on the basics of Association Rule Mining.

Or

- (b) Explain briefly on the performance evaluation of Algorithms.
- 13. (a) Write short note on Decision Tree rules.

Or

- (b) Write short note on classification methods.
- 14. (a) Explain the types of data.

Or

(b) Write short note on partitional methods.

Page 4 Code No. : 41304 E [P.T.O.]



15. (a) Write short note on Web Technology and its characteristics.

Or

(b) Write short note on Web usage mining.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Describe the process of Data Mining.

Òr

- (b) Explain in detail about Data Mining techniques.
- 17. (a) Discuss elaborately about the Apriori Algorithm.

Or

- (b) Explain Mining frequent pattern without candidate generation.
- 18. (a) Explain split Algorithm based on the Information theory.

Or

(b) Explain Evaluation criteria for classification methods.

Page 5 Code No. : 41304 E

19. (a) Describe desires features of cluster analysis.

Or

(b) How to deal with large databases? Explain the process.

20. (a) Explain Web content mining.

Or

(b) Explain Web structure mining.

Page 6 Code No. : 41304 E



(6 pages) Reg. No. :	2. A program loaded into memory and executing is called a
Code No. : 41351 E Sub. Code : JMCA 61	(a) Data (b) Record
B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.	(c) Database (d) Process
Sixth Semester	 general process state, when instructions are being executed.
Computer Application — Main	(a) New (b) Running (c) Waiting (d) Ready
OPERATING SYSTEM	 4 counter indicates the address of the next instruction to be executed for this process.
(For those who joined in July 2016 onwards) Fime : Three hours Maximum : 75 marks	 (a) Location (b) Register (c) Program (d) Timer
PART A — $(10 \times 1 = 10 \text{ marks})$ Answer ALL questions.	5. If process Pi is executing in its critical section, then no other processes can be executing in their critical sections is
Choose the correct answer.	(a) dead lock (b) critical (c) mutual exclusion (d) bankers problem
 programs, define the ways in which the system resources are used to solve the computing problems of the users. 	 two or more processes are waiting indefinitely for an event that can be caused by only one of the waiting processes.
(a) Application(b) System(c) Device(d) Utility	(a) Mutual exclusion (b) Deadlock(c) Semaphore (d) Sharing
	Page 2 Code No. : 41351 E



- - (a) Virtual (b) Physical
 - (c) Logical (d) Monitor
- System maintains a _____ queue of readyto-run processes which have memory images on disk.
 - (a) Running (b) Blocked
 - (c) Priority (d) Ready
- 9. _____ method information in the file is processed in order, one after the other.
 - (a) Random (b) Relative
 - (c) Hashing (d) Sequential
- A file system must be before it can be accessed.
 - (a) Unmount (b) Existing
 - (c) Mounted (d) Partition
 - PART B $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

(a) Define the essential properties of the operating systems.

Or

Page 3 Code No. : 41351 E

- (b) Under what circumstances would a user be better off using a time-sharing system, rather than a personal computer or singleuser workstation?
- 12. (a) Write note on Threads.

Or

- (b) Explain about Process creation.
- 13. (a) Discuss the Synchronization Hardware.

Or

- (b) Explain the Reader-Writer Classical problem of synchronization.
- 14. (a) Comment on Fragmentation.

Or

- (b) What are problems associated with Dynamic storage allocation?
- 15. (a) Explain the tree structured directory.

\mathbf{Or}

(b) Discuss the Sequential file access methods.

Page 4 Code No. : 41351 E [P.T.O.]



PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

- (a) Describe the advantages and disadvantages multiprocessor systems.
 - Or
 - (b) Write note on Mainframe systems.
- 17. (a) Explain about Cooperating process.
 - Or
 - (b) Discuss FCFS and SJF scheduling algorithm.
- 18. (a) Write note on Critical Section Problem.

Or

- (b) How to prevent the Dead lock? Explain.
- (a) Describe the Segmentation Memorymanagement scheme that supports user view of memory.

Or

(b) Write note on Virtual Memory.

Page 5 Code No. : 41351 E

20. (a) Explain the Contiguous file allocation methods.

Or

(b) Write note on Disk Structure.

Page 6 Code No. : 41351 E



PART C — $(5 \times 8 = 40 \text{ marks})$ Answer ALL questions choosing either (a) or (b).

- 16. (a) Discuss about network hardware. Or
 - (b) Write note on TCP/IP reference model.
- (a) Explain the characteristics of Twisted pair and coaxial cable.
 - Or
 - (b) Discuss the importance of properties of Geostationery satellites.
- (a) Illustrate about an unrestricted simplex protocol.

Or

- (b) Describe the working one-bit sliding window protocol.
- 19. (a) Write note on distance vector routing algorithm. Or
 - (b) Compare the data link layer with transport layer.
- 20. (a) Discuss the Domain Name system. Or
 - (b) Mention the usage of MIME.

Page 4 Code No. : 41352 E

Reg. No. :

Code No.: 41352 E Sub. Code : JMCA 62

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Sixth Semester Computer Application — Main COMPUTER NETWORKS

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks) Answer ALL questions.

Choose the correct answer :

(a) (c)	point-to-point unicast	(b) (d)	broad cast multicast.
witt	a		ately-owner network ampus of up to a fee
	meters in size.	ing or ca	ampus of up to a ree
	WAN	(b)	MAN
(a)	WAIN	(0)	
(a) (c)	LAN	(d)	Internet.
2010	LAN	(d)	
(c)	LAN	(d) nedia, w	hich are those that
(c)	LAN n	(d) nedia, w	hich are those that



(a)	wire	(b)	fiber
(c)	wireless	(d)	guides.
1000	lav	er regu	lates the flow of dat
so			not Swampes by fas
	iden.	- are	not continpee by in
	physical	(b)	datalink
(c)	network	(d)	transport.
Dat	a link layer to br		at bit stream up int
	crete		at on cream up in
(a)	bits	. (b)	bytes
(c)		(d)	flag.
14.50		1000	operate by havin
000			table giving the bes
		h desti	nation and which lin
	se to get there.		
(a)	Flooding		
1 Contraction 10			
(b)	Dijkstra's		
(c)	Dijkstra's Distance Vector :	routing	Ren Dusin40
(b) (c) (d)		routing	en estation
(c)	Dijkstra's Distance Vector i Shortest-Path.		
(c) (d)	Dijkstra's Distance Vector i Shortest-Path. roa	ting al	gorithm, each route
(c) (d) com	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f	ting al ree cov	gorithm, each route ering all other rulers
(c) (d)	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path	ting al ree cov (b)	gorithm, each route ering all other rulers multicast
(c) (d) com (a) (c)	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector	ting al ree cov (b) (d)	gorithm, each route ering all other rulers multicast flooding.
(c) (d) com (a) (c) Wh	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map	ting al ree cov (b) (d) os an a	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a
(c) (d) com (a) (c) White nam	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map ne to an address e	ting al ree cov (b) (d) os an a	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a
(c) (d) com (a) (c) Whith host	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map ie to an address et.	ting al ree cov (b) (d) os an a especia	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by
(c) (d) com (a) (c) Whit host (a)	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map te to an address et. resolver	ting al ree cov (b) (d) os an a especia (b)	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper
(c) (d) com (a) (c) Whit host (a) (c)	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map te to an address e t. resolver primary server	ting al ree cov (b) (d) os an a especia (b) (d)	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve.
(c) (d) com (a) (c) Whit (a) (c) Whit	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map to an address e t. resolver primary server ich application lev	ting al ree cov (b) (d) os an a especia (b) (d) rel pro	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve. tocol plays a crucia
(c) (d) com (a) (c) Whit (a) (c) Whit (a) (c) Whit role	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map te to an address e t. resolver primary server ich application lev in carrying out	ting al ree cov (b) (d) os an a especia (b) (d) rel pro the	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve. tocol plays a crucia data definition and
(c) (d) 	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map te to an address e tresolver primary server ich application lev in carrying out tipulation in additi	ting al ree cov (b) (d) os an a especia (b) (d) rel pro the on to X	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve. tocol plays a crucia data definition and 500 features.
(c) (d) 	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map ie to an address e tresolver primary server ich application lev in carrying out tipulation in additi TCP	ting al ree cov (b) (d) os an a especia (b) (d) rel pro the on to X (b)	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve. tocol plays a crucia data definition and 500 features. LDAP
(c) (d) com (a) (c) Whi (a) (c) Whi role mar	Dijkstra's Distance Vector i Shortest-Path. roa puter a spanning f shortest path distance vector ich DNS client-map te to an address e tresolver primary server ich application lev in carrying out tipulation in additi	ting al ree cov (b) (d) os an a especia (b) (d) rel pro the on to X (b)	gorithm, each route ering all other rulers multicast flooding. ddress to a name or a lly when required by mapper secondary serve. tocol plays a crucia data definition and 500 features.

	Answ	er ALL questions choosing either (a) or (b).
11.	(a)	Write note on wide area networks.
	(b)	Or What are .the design issues occur in computer networks?
12.	(a)	Describe the characteristics of Electromagnetic spectrum.
	(b)	Or Write note on Radio transmission.
13.	(a)	How to use a Hamming code to correct burst errors?
	(b)	Or Discuss the algorithm for check sum error detection code.
14.	(a)	Distinguish between Datagram subnet and virtual circuit subnet.
	(b)	Or Explain the shortest path roasing algorithm.
15.	(a)	Write note on public key digital signature.
	(b)	Or Explain how data encryption standard works.
	hore	Page 3 Code No. : 41352 E



15.	(a)	Discuss the classification of Interactive multimedia.	Reg. No. :
	(b)	Or Describe the header information appears at the beginning of a MIDI file. PART C — $(5 \times 8 = 40 \text{ marks})$	Code No. : 41353 E Sub. Code : JMCA 63 B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.
	Answ	er ALL questions choosing either (a) or (b).	
16.	(a)		Sixth Semester
17.	(b) (a)	graphics. Or Explain the working of CRT monitors. Write note on Bresenham's line drawing	Computer Application— Main COMPUTER GRAPHICS AND MULTIMEDIA (For those who joined in July 2016 onwards)
	(4)	algorithm. Or	Time : Three hours Maximum : 75 marks
18.	(b) (a)	How to determine whether a point is inside or outside a given polygon? Explain. Explain the 2D Translation and Rotation	PART A — $(10 \times 1 = 10 \text{ marks})$ Answer ALL questions. Choose the correct answer :
	(b)	transformation. Or Write note on homogenous coordinate	1 devices provide position information to the computer. (a) Selectors (b) Locators
19	(a)	Sutherland Clipping. Or	2. (c) Event (d) CRT 2. used as a lever to change the potentiometer
20	(b) . (a)	Mention the applications of Multimedia. Or	(a) Track ball (b) Mouse (c) Joystick (d) Light pen
	(b)	Explain the compression standard for still images.	 In Brensenham's circle generation algorithm if (x, y) is the current pixel position then the value of the next pixel position is
			(a) $Y \text{ or } y + 1$ (b) $y \text{ alone}$ (c) Polygon (d) $y \text{ or } y - 1$
a contribu		Page 4 Code No. : 41353 E	

	(a)	Straight	t line	(b)	Cui	ve l	ine	
		Polygon		(d)		C. C.K. 1		
5.	The	matrix	represe	ntation	of	refl	ection	about
	y = -			a				
		1 0	0			0		
	(a)	0 -1	0	(b)		1		
	Sale	0 0	1		0	0	1	
		0 1 0			0	-1	0	
	(c)	1 0 0		(d).	-1	0	0	
		0 0 1		5.4 ¹¹	0	0	1	
	1000	mar	C.S.	(d)	Si	[] =	T_2S_1	
	1.000	mar	C.S.	(d)	S	[] =	T_2S_1	
7.	In th	$T_2S_2 = T_2$ he Cohern he codes	Suther of the t	and line wo poin	e clip t P	opin and	g algo Q 01	01 and
7.	In th if th 000	he Cohen ne codes 1 then t nd Q will	of the the line	and line wo poin segmer	e clip it P it jo the c	opin and inin lipp	g algo Q 01 g the ing.	01 and points
7.	In th if th 000	he Cohen ne codes 1 then t nd Q will	of the the line	and line wo poin segmer	e clip it P it jo the c	opin and inin lipp	g algo Q 01 g the ing.	01 and points
7.	In th if th 000 P ar (a) (c)	he Coher ne codes 1 then t nd Q will Totally Totally	of the t he line be outside inside	and line wo poin segmen (b) (d)	e clip it P it jo the c Pa Or	opin and inin lipp rtia gin	g algo Q 01 ng the ing. lly out	01 and points side
	In th if th 000 P ar (a) (c) In y	he Coher ne codes 1 then t nd Q will Totally	of the t he line be	and line wo poin segmen (b) (d) ing of	e clip it P it jo the c Pa: Or 3D v	opin and inin lipp rtia gin view	g algo Q 01 g the ing. lly out	01 and points side
	In th if th 000 P ar (a) (c) In y	he Coher ne codes 1 then t nd Q will Totally Totally view - p e contain	of the t he line be	and line wo poin segmen (b) (d) ing of	e clip it P it jo the c Pa: Or 3D v	opin and inin lipp rtia gin view	g algo Q 01 g the ing. lly out	01 and points side
7. 8.	In th if th 0000 P ar (a) (c) In v code	he Coher ne codes 1 then t nd Q will Totally Totally view - p contains 6	of the t he line be	and line wo poin segmen (b) (d) ing of	e clip at P nt jo the c Pa: Or 3D umbe 4	opin and inin lipp rtia gin view	g algo Q 01 g the ing. lly out	01 and points side

9.		format of storing di lication is	igital audio in multimedia					
	(a)	JPEG	(b) TIFF					
	(a) (c)	WAV	(d) BMP					
10.	MIL		(u) Divit					
10.	(a)	Musical Instrumen	t Digital Interface					
	(a) (b)							
		Multiple Instrument Digital Interface Musical Interchangeable Digital Interface						
	(c)		geable Digital Interface.					
14	(d)							
18 Ú		PART B (5 × 5						
			oosing either (a) or (b).					
11.	(a)	with their characte	bhics adapter cards along pristic features.					
		Or	Contract and the second					
	(b)	Describe the arch display with a clean	itecture of a raster scan r block diagram.					
12.	(a)	Illustrate the proce Or	edure for DDA algorithms.					
	(b)	Write an algorithm	n for Bresenham circle.					
13.	(a)	Explain about	Inverse of basic					
	1-1	transformations.						
		Or						
	(b)	Write note on shea	ring.					
14.	(a)		lerstand by windows and					
	144	viewports?						
		Or						
	(b)	Give a brief note of matrix.	on viewing transformation					
		Page	3 Code No. : 41353 E					

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PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

16. (a) Define :

- (i) Quality
- (ii) Quality Assurance
- (iii) Verification
- (iv) Validation
 - Or

(b) Explain :

- (i) Waterfall
- (ii) Model
- (iii) The V model
- 17. (a) Explain any two code coverage testing. Or
 - (b) Explain top-down and bottom up integration.
- (a) Write the guideline of selecting test cases for Acceptance testing. Or
 - (b) Write the criteria to select test cases for regression testing.
- (a) Write the checklist of Fake language and Language testing. Or
 - (b) Explain activities of XP Work Flow.
- 20. (a) Explain shortly Risk Management.

Or

(b) Write the test case Specification of test process.

Page 4 Code No. : 41354 E

Reg. No. :

Code No.: 41354 E Sub. Code : JMCA 64

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Sixth Semester

Computer Application - Main

SOFTWARE TESTING

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer :

- is like designing the right pesticides to cacth and kill the pests.
 - (a) Testing (b) Design
 - (c) Coding (d) Requirement
- is meeting the requirements expected of the software, consistently and predictably.
 - (a) Verification (b) Testing
 - (c) Quality (d) Design
- 3. ------ testing also known as glass box testing.
 - (a) Red box (b) White box (c) Green box (d) Black box



(a) (c)	dition: Blac	122						
- 18 M -	Dia	100		(b)	White			
101	Posi			(d)	Negative			
	1.001				CONTRACTOR OF THE OWNER OWNER OF THE OWNER OWN			
brea	ak dow		sting to nexpect		ure the syst	em does n		
(a)				1.1.1.1.1.1.1.1	Stress			
(c)	Whi	te bo	x	(d)	Block box			
Nur	nber	of	types	of	regression	testing		
(a)	4	•		(h)	9			
1630 CM				A 2.2		· .		
(e)		1000	a married					
is a byte representation for characters								
			compu					
007.2.7				2.25				
(c)	ASC	11		(d)	DBCS			
						mal testin		
			lied —					
12.12.20				0.075-071	South Carlot Carlo Carlo			
(c)	Unit			(d)	ad hoc	1		
SCM	I stand	ds fo	r	_				
(a)	Softw	vare	Config	urati	on Managen	nent		
(b)	Smal	I Co	mplete	Mac	hine			
2.0								
3.22								
23.9			2012/01/12					
					- is to find d	elects early		
(a)	testi	ıg		(b)	designing			
(c)				(d)	risk			
	(c) Nur (a) (c) that (a) (c) Test tech (a) (c) SCM (a) (b) (c) (d) The in th (a)	 (c) Whi Number (a) 4 (c) 5 that is use (a) Unic (c) ASC Testing d technique (a) Stress (c) Unit SCM stand (a) Softw (b) Small (c) Softw (d) Small (c) Softw (d) Small The purposition the test (a) testing 	 (c) White booms of Number of An An	 (c) White box Number of types (a) 4 (c) 5 (c) 5 (c) 5 (c) ASCII (c) Constant of the second of the seco	(c)White box(d)Numberoftypesof(a)4(b)(c)5(d)(c)5(d)(c)5(d)(c)5(d)(c)ASCII(d)Testing done without ustechnique is called(a)Stress(b)(c)Unit(d)SCM stands for(d)SCM stands for(e)(a)Software Configuration(b)Small Complete Mac(c)Software Complete M(d)Small ConfigurationThe purpose of(e)(a)testing(b)(c)(c)coding(d)(c)(d)(c)(d)(c)(d)(c)(d)(c)(d)(c)(d)(c)(d)(c)	(c) White box (d) Block box Number of types of regression (a) 4 (b) 2 (c) 5 (d) 6 (c) 5 (d) 6 (c) 5 (d) 6 (c) 5 (d) 0 (a) Unicode (b) Byte code (c) ASCII (d) DBCS Testing done without using any for technique is called testing. (a) Stress (b) System (c) Unit (d) ad hoc SCM stands for		

3	Answ	er ALL questions, choosing either (a) or (b).
11.	(a)	Explain the attributes of life cycle model. Or
	(b)	Explain the protyping models activities.
12.	(a)	Write the advantages of static testing by humans. Or
	(b)	Write the combinations of Requirement based testing.
.3.	(a)	Write any five difference between functional and non-functional testing. Or
	(b)	Write any five points considerations in mind for resetting the test cases for regression testing.
4.	(a)	Write any five checklist for I _{18n} validation. Or
	(b)	Write short notes on buddy testing.
5.	(a)	Explain Activity Breakdown and scheduling. Or
	(b)	Write any five steps for Tool Selection and deployment.

(7 pages)

Reg. No. :

Code No.: 41362 E Sub. Code : JMCA 6 B

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Sixth Semester

Computer Application --- Main

Elective III — SOFTWARE PROJECT MANAGEMENT

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer :

- The process each manager follows during the life of a project is known as
 - (a) Project Management
 - (b) Manager life cycle
 - (c) Project Management Life Cycle
 - (d) System Life Cycle

- 2. Which of the following is/are main parameters that you should use when computing the costs of a software development project?
 - (a) Travel and training costs
 - (b) Hardware and software costs
 - (c) Effort costs (the costs of paying software engineers and managers)
 - (d) All of the mentioned
- 3. Which one of the following is not a fundamental activity for software processes in software engineering?
 - (a) Software Verification
 - (b) Software Validation
 - (c) Software design and implementation
 - (d) Software evolution
- 4. Which of the following is not project management goal?
 - (a) Keeping overall costs within budget
 - (b) Delivering the software to the customer at the agreed time
 - (c) Maintaining a happy and well-functioning development team
 - (d) Avoiding costumer complaints

Page 2 Code No. : 41362 E



- In the classical chief programmer team approach, the team member responsible for maintaining the detailed design and coding is
 - (a) The chief programmer
 - (b) The programming secretary
 - (c) A specialized function that exists outside 'the team'
 - (d) The individual coder (i.e. programmer)
- Quality planning is the process of developing a quality plan for
 - (a) team (b) project
 - (c) customers (d) project manager
- 7. What is related to the overall functionality of the delivered software?
 - (a) Function-related metrics
 - (b) Product-related metrics
 - (c) Size-related metrics
 - (d) Project-related metrics
- 8. Identify the sub-process of process improvement
 - (a) Process introduction
 - (b) Process analysis
 - (c) De-processification
 - (d) Process distribution

Page 3 Code No. : 41362 E

- 9. Which one of the following is not a fundamental activity for software processes in software engineering?
 - (a) Software verification
 - (b) Software validation
 - (c) Software evolution
 - (d) Software specification
- 10. Which two requirements are given priority during Requirement Management of a product?
 - (a) User and Developer
 - (b) Functional and Non-functional
 - (c) Enduring and Volatile
 - (d) System and User

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

 (a) Write a note on conventional software management.

Or

(b) Explain about team effectiveness.

Page 4 Code No. : 41362 E [P.T.O.]



12. (a) Discuss about transition phases.

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Or

(b) Write about Pragmatic artifacts.

13. (a) Explain about software process workflows.

Or

- (b) Describe about cost and schedule estimation process.
- (a) Briefly explain about the project environment.

Or

- (b) Explain about the life cycle expectations.
- 15. (a) Write about the evolutionary requirements.

Or

(b) Explain about software management principles.

Page 5 Code No. : 41362 E

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

16. (a) Discuss in detail about Waterfall model.

Or

- (b) Explain about reducing software product size.
- 17. (a) Give an overview about life cycle phases.

Or

- (b) Briefly explain about the artifact sets.
- 18. (a) Explain about work breakdown structures.

Or

(b) Describe about iteration planning process.

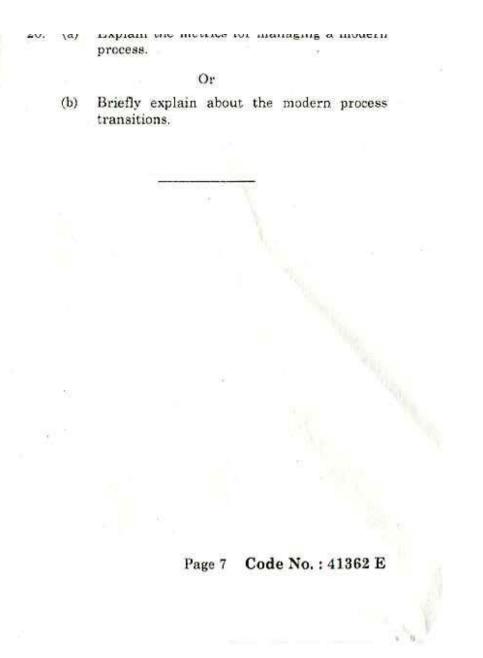
19. (a) Explain in detail about the seven core metrics.

Or

(b) Illustrate the quality indicators.

Page 6 Code No. : 41362 E





(6	pages)	
10	pages)	

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Reg. No. :

Code No. : 30149

Sub. Code : J 1 TL 11/ S 1 TL 11

U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

First Semester

Part I — Tamil

பொதுத்தமிழ் — I

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

பகுதி அ — (10 × 1 = 10 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடை தருக.

சரியான விடையைத் தேர்ந்தெடு.

- 1. கவிமணியின் இயற்பெயர்
 - (அ) வெ. ராமலிங்கம் பிள்ளை
 - (ஆ) முத்தையா
 - (இ) தேசிய விநாயகம் பிள்ளை
 - (ஈ) சுப்பையா

				6	2.2		1 1 2
	2.	തഖ	ரமுத்து எழுதிய	நூல்			
		(அ)	ஆசியஜோதி				-
		(광)	கொஞ்சம் தே	னீர் நிறைய எ	வானம்		
		(@)	பாஞ்சாலி சப	தம்			- 1 e - 1
e.		(17)	பிசிராந்தையா	τά			
	3.	நாகி	யாது – இலக்கவ	னக் குறிப்பு த	5ருக.		
		(ঞ)	குற்றியலிகரம்	(ඇ) குற்றிய	லுகரம்	
		(@)	பண்புத்தொன	あ (中)	ഖിഞഞ	த்தொகை	
	4.	பொ	ருள் தருக. மாரி	i est			
18		(ക)	ഥഞഖ	(. ආ) மழை		
		(இ)	ലങ്ങപ	(17)	உ.லகம்		
	5.		மனையும் பதற்காக அழை	இலக்குவனை த்துச்சென்றவ		வேள்வில	க்யக்
		(ঞ)	வசிட்டன்		-		
		(عن)	கலைக்கோட்டு) முனிவர்			
		(@)	வால்மிகி		1.8		
		(17)	விசுவாமித்திர	ன்			
	6.	காய்க	களைக் கொண்() விளையா()ம் விளை	யாட்டு	
		(শ)	தெள்ளேணம்	(යු)	பாவை	பாடல்	
		(@)	அம்மானை	(17)	ஊசல்		
				Page 2	Code	No. : 301	149

7.	சிறுக	தையின் மன்னன் யா	rň?	
	(ঞ)	புதுமைப்பித்தன்	(കൃ)	ஜெயகாந்தன்
	(@)	பாவண்ணன்	(17)	பாட்டாளி
8.	பொ	ன்னீலன் எழுதிய சிற	கதை	
	(ঞ)	மனோபாவம்	(යු)	
	(@)	வசக்குதல்	(11)	ஐஸ்பிரியாணி
9.	பரமா	ார்த்த குருகதையை எ	ாழுதியுவ	ιň
	(ෂ)	பாரதியார்	(ഷ്ട)	ந. பிச்சமூர்த்தி
	(@)	கால்டுவெல்	(17)	வீரமாமுனிவர்
10.	தமிழ்	நாட்டின் வால்டர் ஸ்	காட் எல்	ாறு புகழப்பட்டவர்
	(ঞ)	தமிழ்வாணன்	(. ආ)	எஸ்ஏபி
12 - 4	(@)	சுஜாதா	(ஈ)	கல்கி
		பகுதி ஆ — (5 × 5 :	= 25 மத்	ப்பெண்கள்)
4	ക്രത	எத்து வினாக்களுக்கு (ஆ) தே	ம் விடை எந்தெடு	
	<u> </u> යාන්තර	நம் வினாக்களுக்கு <u>2</u>	2 <u>50</u> சொ	ற்களில் விடை தருக.
11.	(அ)	ஒன்று எங்கள் ஜா கூறும் கருத்துக்கனை		விதையில் கண்ணதாசன்
		(ଅକ	ல்து)	
	(ஆ)	கல்யாண்ஜி குறி குறித்து ஆராய்க.	ப்பிடும்	'கண்டும் காணாமல்'

Page 3 Code No. : 30149

12. (அ) முதல் எழுத்துக்களைச் சான்றுடன் விளக்குக.

(அல்லது)

- (ஆ) தமிழில் வழங்கும் கிரந்த எழுத்துக்களை விவரிக்க.
- 13. (அ) அன்பு. அடக்கம், ஒழுக்கம் பற்றிய வள்ளுவர் கருத்துக்களைத் தருக.

(அல்லது)

- (ஆ) சிறுபஞ்சமூலம் தரும் சூழலியல் செய்திகளைத் தருக.
- 14. (அ) பொன்னகரம் தலைப்புப் பொருத்தத்தை ஆய்க.

(அல்லது)

- (ஆ) ஆறு சிறுகதையின் கதைக் கருவினைப் புலப்படுத்துக.
- 15. (அ) புதுக்கவிதை எழுத்தாளர்களைக் குறிப்பிடுக.

(அல்லது)

(ஆ) தமிழ் நாடக வகைகளைப் புலப்படுத்துக.

Page 4 Code No. : 30149 [P.T.O.]



பகுதி இ — (5 × 8 = 40 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளி (அ) அல்லது (ஆ) தேர்ந்தெடு.

பின்வரும் வினாக்களுக்கு 600 சொற்களில் விடை தருக.

 (அ) கைத்தொழில் குறித்து நாமக்கல் கவிஞர் கூறும் கருத்துக்களை ஆய்க.

(அல்லது)

- (ஆ) தேசப்பிதாவிற்கு ஒரு தெருப்பாடகனின் அஞ்சலி கவிதையில் மு. மேத்தா குறிப்பிடும் செய்திகளைத் தெளிவுறுத்துக.
- (அ) மொழி முதல், மொழி இறுதி எழுத்துக்களைச் சான்றுடன் விளக்குக.

(அல்லது)

- (ஆ) ஒலிப்பு மாறுபாடுகள் மற்றும் பொருள் மாறுபாடுகள் ஆகியவற்றைச் சான்றுடன் விளக்குக.
- (அ) கம்பராமாயணத்தில் உறவுகள் என்னும் தலைப்பில் முனைவர் பே. மகேஸ்வரி தரும் கருத்துக்களை எழுதுக.

(அல்லது)

(ஆ) அற இலக்கியங்களில் இடம்பெற்றுள்ள மேலாண்மைச் செய்திகளை விளக்குக.

Page 5 Code No. : 30149

19. (அ) ராஜா வந்திருக்கிறார் சிறுகதையில் சித்தரிக்கப்பட்டுள்ள குழந்தைகளின் உலகத்தினைத் தெளிவுறுத்துக.

(அல்லது)

- (ஆ) வசக்குதல் சிறுகதையில் பொன்னீலன் குறிப்பிடும் சமூக நிலையினைப் புலப்படுத்துக.
- (அ) தமிழில் சிறுகதையின் தோற்றமும் வளர்ச்சியும் பற்றி எழுதுக.

(அல்லது)

(ஆ) புதின இலக்கியத்தின் தோற்றம் வளர்ச்சி குறித்து எழுதுக.

Page 6

(8 pages)

Reg. No. :

Code No.: 32142 Sub. Code: J 2 EN 11/ S 2 EN 11

> U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

> > **First Semester**

Part II - English

GENERAL ENGLISH - I

(For those who joined in July 2016 onwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer.

- 1. Khushwant Singh's grand mother enjoyed when she
 - (a) sat by her spinning wheel
 - (b) saw her grandson come home from school
 - (c) was in prayer
 - (d) fed the sparrows

2. The third beggar who met the man in black is a Mother with two children (a) an ageing prostitute (b) a small girl (c) a widow (d) In 1950, Mother Teresa, founded 3. a school (a) (b) Nirmal Hriday the missionaries of charity (c) (d) two hospital - always spoke to Kalam about brave 4. new world. S.T.R. Manickam His father (a) (b) Jallaluddin (d) His school teacher (c) Sonnet 116 is a poem of -- lines. 5. fourteen sixteen (a) (b) eleven (c) ten (d) The village school lies beside the -6. sparkling stream (a) straggling fence (b) (c) neat farm (d) factory 7. The proprietor of the framing shop is -Chandimal (a) (b) Deepu (c) Datta (d) R.K. Laxman

Page 2 Code No. : 32142



8.	Nat	hu i	is	a	

- (a) a washer boy (b) a sweeper
- (c) an accountant (d) a barber
- "Hero funny that sight was !" is a/an sentence.
 - (a) exclamatory (b) assertive (c) negative (d) imperative
- One who works and fights for equal rights of women is ______.
 - (a) aristocrat (b) feminist
 - (c) socialist (d) sadist

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

- 11. Explain with reference to the context the following passages : $(2 \times 2\frac{1}{2} = 5)$
 - (a) (i) She could never have been pretty ; but she was always beautiful.
 - (ii) The misery painted in the woman's visage was not half so strongly expressed as the agency in his.

Or

Page 3 Code No. : 32142

- (b) (i) She makes you climb mountains for her.
 - (ii) Half a century later, I can still feel the surge of pride in earning my own money for the first time.

12. (a) (i) Love is not love

Which alters when it alteration finds.

- (ii) There, in his mansion, skill'd to rule,
 - The village master taught his little school.

Or

- (b) (i) Yet knowing how way leads on to way
 I doubted if I should ever come back.
 (ii) And I, with moan
 - Kissing away his tears, left others of my own
- 13. (a) How did Datta damage the photograph? Or
 - (b) Describe the scene in front of the bank and the incidents that followed.
- 14. (a) Fill in the blanks using a, an, some or any :
 - (i) There are ——— oranges on the table.
 - (ii) Raju bought bottle of water.

Page 4 Code No. : 32142 [P.T.O.]



- (iii) Do you have —— food in your bag?
- (iv) Please buy me apple.
- (v) Stella bought furniture.

Or

- (b) Give the plural forms of the following :
 - (i) Child (ii) Man
 - (iii) Mouse (iv) Thesis
 - (v) Foot.
- 15. (a) Add question tag to the following sentences :
 - (i) It is dark ———.
 - (ii) Shanthi loves apples ————. *
 - (iii) You can drive a car ------
 - (iv) They were going to the lake
 - (v) Ram killed the snake -

Or

- (b) Fill in the blanks with the right form of adjectives in the brackets.
 - (i) Mala is a _____ (good) singer than me.
 - (ii) This task is (urgent) than all others.
 - (iii) Savitha is the _____ (childish) of all my friends.

Page 5 Code No. : 32142

- (iv) This is the ——— (busy) road in the city.
- (v) He is as (brave) as a lion.

PART C — (5 × 8 = 40 marks) Answer ALL questions, choosing either (a) or (b) in about 600 words each.

16. (a) How did Khushwant singh portray his grandmother?

Or

- (b) Who are the people who had influenced Kalam in his younger days?
- 17. (a) Describe the village school master's character. Or
 - (b) How does Shakespeare picture true love?
- 18. (a) What is the main theme of 'The Last Leaf? Or
 - (b) Consider 'Lottery Ticket' as a satire on human greed.
- 19. (a) Fill in the blanks with suitable articles :
 - (i) _____ gold you buy here is of excellent quality.
 - (ii) This ——— is brightest star in ______ sky.

Page 6 Code No. : 32142

- (iii) He is fond of honey.
- (iv) I met ——— one eyed beggar.
- (v) ——— Vaigai is in spate.
- (vi) This is a painting of western Ghats.
- (vii) _____ hour ago, I met him in the market. Or
- (b) Fill in the blanks with pronouns :
 - (i) Churchill was the prime minister of England, was a great orator.
 - (ii) I like rottis are hot.
 - (iii) Ismael constructed the house
 - (iv) The dog hurt ———.
 - (v) This is the house I lived once.
 - (vi) _____ is going to pay for all this?
 - (vii) Roopa and Savitha never believed
 - (viii) Are ------- your shoes?
- 20. (a) Complete the sentences with a correct word choosing from the two in brackets :
 - (i) Let us _____ (proceed, precede) to the stadium
 - (ii) This is a _____ (moot, mute) point, so we have to discuss it.

Page 7 Code No. : 32142

- (iii) He was busy _____ (pouring, poring) over the costs.
- (v) You are very (photographic, photogenic).
- (vi) Nothing can ——— (alter, altar) the situation.
- (vii) I get milk regularly from ——— (diary, dairy).
- (viii) Do not interfere in my ______ (personal, personnel) matters.

Or

- (b) Write one-word substitutes for the following :
 - (i) One who believes that God does not exist.
 - (ii) One who pursues noble principles.
 - (iii) An expert on matters like art, food or music.
 - (iv) One who believes in economic equality.
 - (v) . One who believes in peace.
 - (vi) One who always believes in good things.
 - (vii) One who studies insects.
 - (viii) One who studies about birds.

Page 8

Code No. : 32142



(6 pages) Reg. No. :	3. Enable input of shift register is called a
	(a) load (b) store
Code No. : 41305 E Sub. Code : JACA 11/ SACA 11	(c) reset (d) strobe
	4. Control of shift register labeled as SH/LD = 0 will
B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.	(a) shift (b) store
First Semester	(c) load (d) add
Computer Application — Allied	5. In a map values are picked having
	(a) 1's (b) 0's
DIGITAL DESIGN	(c) 2's (d) 9's
(For those who joined in July 2016 and afterwards)	6. A circuit that converts n inputs to 2^n outputs is
Time : Three hours Maximum : 75 marks	6. A circuit that converts n inputs to 2^n outputs is called
PART A — $(10 \times 1 = 10 \text{ marks})$	(a) encoder (b) decoder
Answer ALL questions.	(c) comparator (d) carry look ahead
Choose the correct answer :	7. Exclusive-OR is an
1. Output of AND gates in SOP is Connected to	(a) prime function (b) undefined function
(a) NOT gates (b) OR gates	(c) even function (d) odd function
(c) AND gates (d) XOR gates	
2. If 1's represents minterms then 0's represents	8. Decimal number system represent decimal number in form of
(a) maxterms (b) minterms	(a) hexadecimal (b) binary coded
(c) midterms (d) medians	(c) octal (d) decimal Page 2 Code No. : 41305 E

9. BCD counter is also known as

- (a) parallel counter
- (b) decade counter
- (c) synchronous counter
- (d) VLSI counter
- 10. X + y = z represents operation that is
 - (a) AND (b) OR
 - (c) NOT (d) XOR
 - PART B $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

- 11. (a) Distinguish between diminished Radix complement and Radix complement.
 - Or

(b) Substract with 10's complement

- (i) 98342-1271
- (ii) 3412-10525 and describe the steps involved in detail.

Page 3 Code No. : 41305 E

12. (a) Explain the evolution of integrated circuits in three stages.

Or

(b) Simplify the boolean functions

(i)
$$F(x, y, z) = \sum (2,3,4,5)$$

(ii) $F(x, y, z) = \sum (3,4,6,7).$

 (a) Define wired logic with AND-OR-INVERT and OR-AND-INVERT.

Or

- (b) Show how Exclusive-OR is implemented in odd functions uses of Exclusive OR in error detection and correction codes.
- 14. (a) Describe the implementation of boolean function with a multiplexer.

Or

- (b) Explain the construction and working of multiplexers with three state gates.
- (a) Describe the characteristics of universal shift register.

Or

(b) Define binary ripple counter with block diagram.

Page 4 Code No. : 41305 E [P.T.O.]



PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Elaborate the basic theorems and properties of boolean algebra.

Or

- (b) What are the boolean functions and explain the two types of boolean function and their properties?
- 17. (a) Describe the following:-
 - (i) Map-method
 - (ii) Two variables Map
 - (iii) Three variable Map
 - (iv) F = A'C + A'B + AB'C + BC express it in sum of minterms.

Or

- (b) Simplify the boolean function
 - (i) $F(w, x, y, z) = \sum (0, 1, 2, 4, 5, 6, 8, 9, 12, 13, 14)$
 - (ii) F = A'B'C' + B'CD' + A'BCD' + AB'C'.

Page 5 Code No. : 41305 E

 (a) Explain implementing Exclusive -OR in odd functions and parity generation and error checking.

Or

(b) Explain in detail the methods to perform arithmetic operations in binary-addersubtracter.

 (a) Define the circuit that takes one or many input lines and directs to a single output line.

Or

(b) Explain the latches as a storage element and its types.

20. (a) Describe the four different synchronous counters in flipflops.

Or

(b) Define Random access memory its write and read operations and types of memories.

Page 6 Code No. : 41305 E



(6 pages)	
Reg. No. :	3 list is a linked list with two or more logical lists.
Code No. : 41364 E Sub. Code : SACA 31	(a) multilinked list
	(b) circularly linked list
B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.	(c) doubly linked list
	(d) singly linked list
Third Semester	4. A linear list is in which each element has
Computer Applications – Allied	(a) a general
DATA STRUCTURE	(b) a unique successor
(For those who joined in July 2017 onwards)	(c) a restricted
Fime : Three hours Maximum : 75 marks	(d) a linked list
PART A — $(10 \times 1 = 10 \text{ marks})$	5. A queue is a ——— structure.
Answer ALL questions.	(a) Enqueue
Choose the correct answer :	(b) Dequeue
	(c) LIFO
. ————————————————————————————————————	(d) FIFO
(a) Sequential (b) binary	6. A stack is a list in ———.
(c) hashed list (d) None	(a) meta data
The efficiency of binary search is	(b) descending chronological sequence
(a) 0 (b) o(log2n)	(c) LIFO
(c) $o(n^2)$ (d) $O(c^n)$	(d) back tracking

	(a)	Root	Sec. 1	An
	(b)	Leaf		
	(c)	Node	123	
	(d)	Branches	11.	(
8.	A le	eaf is a node with an		
	(a)	out degree of zero	St	0
	(b)	indegree of one	12.	(1
	(c)	out degree branch		
	(d)	indegree branch		
9.		maximum degree of any vertex in a simple oh with n vertices is		(1
	(a)	N	13.	(8
	(b)	n-1		
	(c)	n+1		
	(d)	2n-1		();
10.	-	——— is a graph whose are weighted.	14.	(8
1	(a)	spanning tree		
	(b)	network		
	(c)	Minimum spanning tree		(b
	(d)	Undirected graph		
		Page 3 Code No. : 41364 E		
12.40				

A tree consists of finite set of elements

7.

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b). Each answer should not exceed 250 words.

11. (a) What do you mean by Pseudo Code?

Or

(b) Write about ADT. Give an example.

12. (a) Explain the concept of linear list.

Or

(b) Explain the linked representation of binary tree.

3. (a) Write about queue operation.

Or

(b) Explain the array representation of stack.

 (a) Explain the linked representation of binary tree.

Or

(b) Write about expression trees with an example.

Page 4 Code No. : 41364 E [P.T.O.]



15. (a) Explain the basic concepts of sorting.

\mathbf{Or}

(b) Explain the graph Storage Structure.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Write about binary search with algorithm.

Or

- (b) Describe about hashed list search with examples.
- 17. (a) Write the algorithms of linked list operations. Discuss it.

Or

- (b) Write about Complex linked list structures.
- 18. (a) Discuss about basic stack operations.

Or

(b) Describe about queue linked list implementation.

Page 5 Code No. : 41364 E

19. (a) Explain binary search tree algorithm with examples.

Or

- (b) What is heap? Explain about basic heap algorithm.
- (a) Write an algorithm and explain about quick sort.

Or

14

(b) Explain in details about graph storage structure.

Page 6 Code No. : 41364 E

SECTION C — $(5 \times 8 = 40 \text{ marks})$ Answer ALL questions, choosing either (a) or (b).

- 16. (a) Explain about Final accounts with adjustment.
 - Or
 - (b) Write a steps to create stock item group and category in Trail Balance.
- 17. (a) Explain about VAT Classification. Or
 - (b) Explain about Voucher Entry.
- 18. (a) What are the features of TDS, TCS and ST? Or
 - (b). Explain about TDS Deduction for advance payment and Balance Payment.
- 19. (a) Explain about Excise Stock Register.
 - Or
 - (b) Explain about ledger creation and effective Date for Reconciliation.
- 20. (a) Explain Pay Slip and Pay Roll Statement. Or
 - (b) Explain Pay Roll with PF and ESI.

Page 4 Code No. : 41453 E

Reg. No. :

Code No.: 41453 E Sub. Code : SACA 41

B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.

Fourth Semester

Computer Applications – Allied ACCOUNTING SOFTWARE TALLY (For those who joined in July 2017) Time : Three hours Maximum : 75 marks

> SECTION A — $(10 \times 1 = 10 \text{ marks})$ Answer ALL the questions.

Choose the correct answer:

- 1. Tally package is developed by
 - (a) Peutronics (b) Tally solutions
 - (c) Coral software (d) Vedika software
- We can show bill wise details of debtors and creditor by activating
 - (a) Bill by bill
 - (b) Maintain bill wise details
 - (c) Maintain reference
 - (d) None of these
- 3. In general the financial year from shall be form
 - (a) 1st April of any year
 - (b) 31st March of any year
 - (c) All of them are true
 - (d) None of these



4.	The	shortcut key to qui	it from	n tally is
	(a)	Ctrl + L	(b)	Ctrl + P
	(c)	Ctrl + M	(d)	Ctrl + Q
5.	Top	print a voucher fron	ı tally	we need to press
	(a)	Ctrl + P	(b)	Shift + P
	(c)	Alt + P	(d)	None of these
6.	То	show the cheque	num	ber while reconciling
	ban	k accounts press		
	(a)	F11	(b)	F12
	(c)	Ctrl + F11	(d)	Ctrl + F12
7.	A le	edger may get decl	arati	on space for its Alisa
	thre	ough		
	(a)	F12	(b)	F11
A	(c)	Alt + F1	(d)	Alt + F2
8.	Sus	pense Account Grou	p is d	lefined under
	(a)	Income	(b)	Expenditure
- 10	(c)	Liabilities	(d)	Assets
9.	The	re are Pro	edefin	ned Ledger
	(a)	One	(b)	Three
	(c)	Two	(d)	Four
10.		it vat/Output vat L unt?	edger	Created under which
	(a)	Duties and Taxes	(b)	Sales
	10000			
	(c)	Purchase	(d)	Vat

		SECTION B — (5 × 5 = 25 marks)
1	Answ	er ALL questions, choosing either (a) or (b).
11.	(a)	Explain Tally and its applications? Or
	(b)	Explain the steps to creation and alteration of vouchers with suitable examples.
12.	(a)	How do you prepare Inventory vouchers in Tally?
		Or
	(b)	Explain the features of VAT and its exemptions.
13.	(a)	What is meant by Service Tax and explain its merits to the Government. Or
	(b)	How could you display TDS reports in Tally?
14.	(a)	Explain about Bank Reconciliation statement. Or
	(b)	Explain about Dealer Excise report.
15.	(a)	Explain the features and types of Pay Roll. Or
	(b)	Steps to create the employee Pay Roll vouchers and attendance.
		Page 3 Code No. : 41453 E



(8 pages) Code No. : 227	Reg. No. : 40 E Sub. Code : SCDE 4 A	5.	makes the mouse as a popular input device in the windows. (a) API (b) Games (c) GUI (d) Web camera
Part IV – CO	REE EXAMINATION, APRIL 2019. Fourth Semester MPUTER FOR DIGITAL ERA	6.	What is abbreviation of ROM? (a) Real Object Memory (b) Read Object Memory (c) Read Only Memory (d) None of these
Time : One and half Choose the cor	o joined in July 2017 onwards) hours Maximum : 50 marks rect answer : the most commonly used output	7.	Which one is used by the digital computer? (a) 1 to 9 (b) Signals (c) Microwaves Computer (d) Binary Number
(a) Printer(c) Monitor2. ASCII stands	(b) Scanner (d) Bar code reader	8.	What type of computer is cheapest one? (a) Mini Computer (b) All of these (c) Micro Computer (d) Laptop Computer
 (a) American Interchan (b) American Interchan (c) American 	Stable Code for International oge Standard Case for Institutional oge Standard Code for Information	9.	 Which one is used in small offices and business shops? (a) Mainframe Computer (b) Desktop Computer (c) Mini Computer (d) None of these
Informat	Standard Code for Interchange on asic element of the image in your	10.	RAM stands for (a) Real Advance Memory (b) Random Access Memory (c) Read Advance Memory (d) None of these
 (a) Colour (c) Pixel 4. Which is the bia (a) Output dia (c) CPU 	(b) Resolution (d) Clarity ain of the computer? vvice (b) Storage unit (d) Other devices	11,	

.

None of the above

Page 2 Code No. : 22740 E

programming language from the 12. Choose a following (a) C BC (b) Unix (d) MS Word (c) Which of the following devices are used as input 13. device? (a) Keyboard (b) Monitor Printer Speaker (d) (c) 14. An example for open source Image Editor is Adobe Photoshop (a) GIMP (b) Both (a) and (b) (d) None of the above (c) OS manages -15. Computer hardware resources (a) Peripherals (b) Storage space (c) All of the above (d) Operating system is used in the 16. mobile devices. C Android (b) (a) Firefox (d) (c) Java BIOS means -17. **Basic Input Output System** (a) **Basic Internet Output Software** (b) **Basic Input Output Software** (c) Booting Input Output System (d) Which of the following Operating System does not 18. implement multitasking truly? Windows NT (a) Windows 98 (b) Windows XP (d) MS DOS (c) Code No. : 22740 E Page 3

- 19. Which of the following is the mobile operating system?
 (a) Linux
 (b) Unix
 - (a) Linux (b) (c) Android (d)
 - Windows
 - Cortana is able to recognize
 - (a) Natural spoken language
 - (b) High Level Language
 - (c) Low Level Language
 - (d) None of the above
- 21. MS-DOS operating system is a
 - (a) command line interface
 - (b) single user interface
 - (c) single tasking interface
 - (d) all of these
- 22. OSS stands for

20.

- (a) Open System Service
- (b) Open Source Software
- (c) Open System Software
- (d) Open Synchronized Software
- 23. Which of the following is not essential to shut down your computer?
 - (a) Save all opened file
 - (b) Close all running applications
 - (c) Switch off monitor
 - (d) Cut off the power supply
- 24. What is operating system?
 - (a) collection of programs that manages hardware resources
 - (b) system service provider to the application programs
 - (c) link to interface the hardware and application programs
 - (d) all of the mentioned

Page 4 Code No. : 22740 E [P.T.O.]



	25.	Text-styling feature of MS word is (a) Word Color (b) Word Font (c) Word Art (d) Word Fill	1	33.	Th (a) (c)
	26.	 To create a new table, in which method you don't need to specify the field type and size? (a) Create table in Design View (b) Create Table using wizard (c) Create Table by Entering data 	h	34. 35.	In hu (a) (c) Da
		(d) All of above	1.1		ca
	27.	MS Excel Based on ———————————————————————————————————			(a) (b) (c)
	28.	MS-Office is (a) Application Software (b) System Software (c) Operating System (d) All of Above		36.	(d) Ex (a) (b) (c) (d)
	29.	An extension of the file created in MS-Word 2003.(a) .doc(b) .docx(c) .ppt(d) .exe		37.	Th age (a)
	30.	The name of the font used by default in MS-Word			(c)
		 (a) Times New Roman (b) Algerian (c) Arial (d) None of these 		38.	Ve kn
100	31.	Copied Data in MS-Word is shown in (a) Task bar (b) Task pane (c) Clip art (d) None of these		39.	(a) (c) DI:
	32.	Computer Network is (a) Collection of hardware components and computers			(a) (b)
		 (b) Interconnected by communication channels (c) Sharing of resources and information (d) All of the Above 			(c)

(d) All of the Above

Page 5 Code No. : 22740 E

33.	The first Network (a) CNNET (b) NSFNET
	(c) ASAPNET (d) ARPANET
34.	
34.	In which topology there is a central controller or hub?
	(a) Star (b) Mesh
	(c) Ring (d) Bus
35.	
00.	campus is
	(a) LAN
	(b) WAN
	(c) MAN
	(d) None of the mentioned
36.	Expand WAN
	(a) World Area Network
	(b) Wide Area Network
	(c) Web Area Network
	(d) None of the mentioned
37.	The Internet was originally a project of which
-	agency?
	(a) ARPA (b) NSF
	(c) NSA (d) None of these
38.	Verification of a login name and password is
	known as
	(a) Configuration (b) Accessibility
	(c) Authentication (d) Logging in
39.	DISNIC stands for the
	(a) Digital India System by National
	- Information Center
	(b) District Information System programme of
	the National Informatics Centre
	(c) Disseminating information of National
	important Councils
	(d) None of the above
	Page 6 Code No. : 22740 E

- 40. The term NIC stands for
 - (a) National Informatics Center
 - (b) National Internet Center
 - (c) Nation India Country
 - (d) National Institute of Commerce
- 41. UID-Unique Identity Number is
 - (a) Aadhaar Number (b) Staff ID number
 - (c) PAN Card Number (d) None of the above
- 42. SDC stands for the
 - (a) State Data Center
 - (b) Storage of Data for Commercialization
 - (c) State data compiler
 - (d) Signal Disseminating Centre
- 43. Agriculture MMP will provide sophisticated interface to the farmers for making informed decisions by connecting the
 - (a) Krishi Vigyan Kendras and farmers
 - (b) Kisan Call Centres and farmers
 - (c) Agri-Clinics and farmers
 - (d) All the above
- 44. Data analytics has application in
 - (a) Testing data
 - (b) Analysis of Variance
 - (c) Probabilistic methods
 - (d) All the above
- 45. NPTEL stands for -
 - (a) National Programme for Television Enabled Learning
 - (b) National Programme for Time Enabled Learning
 - (c) National Programme for Technology Enabled Learning
 - (d) National Programme for Training Enabled Learning

- 46. Ethical hacking means
 - (a) The process that finds the weakness in computer or network
 - (b) The process that finds the weakness in computer
 - (c) The process that finds the weakness
 - (d) The process that finds the weakness.in computer
- 47. Social networks are the systems that use the computer networks and
 - (a) WWW (b) Face book
 - (c) Whats up (d) Data
- 48. Wifi is a short name for -----
 - (a) Wired fidelity (b) Wireless fiedelity
 - (c) Wireless frequency (d) None of the above
- 49. Computer virus program is usually hidden in a
 - (a) Operating system
 - (b) Application program
 - (c) Disk driver

(c)

- (d) Both (a) and (b)
- 50. edX is an online platform ------ destination
 - (a) Self learning (b) Writing
 - Emailing (d) None of these

Page 8 Code No. : 22740 E

Page 7 Code No. : 22740 E

Reg. No. :

Code No. : 22963 B Sub. Code : GEVS 11/ JEVS 11/SEVS 11

U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

First Semester

Part IV - ENVIRONMENTAL STUDIES

(For those who joined in July 2012 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer.

- காட்டின் ஒரு பகுதி அல்லது வாழும் மரங்களை அதனிடத்திலிருந்து அகற்றி அவ்விடத்தினை காடு அல்லாத பயன்பாட்டிற்கு உட்படுத்துவது
 - (அ) காடாக்குதல்
 - (ஆ) காடு
 - (இ) காடழிப்பு
 - (ஈ) இவைகளில் எதுவுல் இல்லை

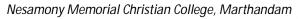
20. (அ) புவி வெப்பமடைதலை விவரி. Describe global warming.

Or

(ஆ) சுற்றுச்சூழல் (பாதுகாப்பு) சட்டம் மற்றும் மக்கள் தொகை வெடிப்பு பற்றி எழுதுக.

> Write in detail on Environment (Protection) Act and Population Explosion.

> > Page 10 Code No. : 22963 B





The removal of a forest or stand of trees where the land is thereafter converted to a non-forest use is

- (a) reforestation
- (b) afforestation
- (c) deforestation
- (d) none of them
- கீழே குறிப்பிட்டவனவற்றில் புதுப்பிக்கக் கூடிய ஆற்றல் வளம் எது?
 - (அ) சூரிய ஒளி (ஆ) காற்ற
 - (இ) மழை (ஈ) நிலக்கரி

Which one is non-renewable energy resource?

- (a) sunlight (b) wind
- (c) rain (d) coal
- எந்த சுற்றுச்சூழலில் முதன்மை உற்பத்தியாளர்கள் ஏறக்குறைய ஒத்தவகையாக உள்ளது?
 - (அ) பாலைவனத்தில்
 - (ക്ല) പ്രഖ്യി
 - (இ) காட்டில்
 - (ஈ) அவர்களில் எவரும் இல்லை

Page 2 Code No. : 22963 B

Which ecosystem has more or less similar type of primary producers?

- (a) desert (b) grassland
- (c) forest (d) none of them

 கீழ்கண்டவற்றில் எதில் அதிக மிகுந்த வேலைப்பாடுகளை பார்க்க முடியும்?

- (அ) ஆறுகள்
- (ஆ) கடல்கள்
- (இ) முகத்துவாரங்கள்
- (ஈ) இவைகளில் எதுவும் இல்லை

Where you can see rich diversity?

- (a) rivers
- (b) oceans
- (c) estuaries
- (d) none of them
- அச்சுறுத்தும் பிரிவுகளை ஒதுக்குவது
 - (அ) உலக பாதுகாப்பு சங்கம்
 - (ஆ) உணவு மற்றும் வேளாண்மை அமைப்பு
 - (இ) உலகளாவிய நிதியம்
 - (ஈ) உலக சுகாதார நிறுவனம்
 - Page 3 Code No. : 22963 B



	Threat categories are assigned by		Stubble burning largely affects
	(a) World Conservation Union	1.1	(a) air (b) water
	(b) Food and Agriculture Organization	49	(c) soil (d) none of them
	(c) World Wide Fund	8.	கீழ்கண்டவனவற்றில் பச்சை ஆற்றல் எது?
	(d) World Health Organization		(அ) இரும்பு மற்றும் எஃகு ஆலைகள்
	புலி எந்த அச்சுறுத்தல் பிரிவை வகிக்கிறது?	19.30	(ஆ) அனு உலைகள்
	(அ) அழிந்தது	1.1	(இ) மின் உற்பத்தி நிலையங்கள்
	(ஆ) கடுமையான	li e	(ஈ) சூரியத் தகடு
	(இ) அபாயகரமான		Which one is green energy?
	(ஈ) பாதிக்கப்படக்கூடிய		(a) iron and steel plants
	Tiger belongs to which threat category?		(b) nuclear reactors
	(a) extinct	1	(c) electric power plants
	(b) critically endangered	1.1	(d) solar panel
	(c) endangered	9.	போபால் சோகத்தை அடுத்து இந்திய அரசாங்கத்தால்
	(d) vulnerable	1999	இயற்றப்பட்ட சட்டம்
2	எரியும் அழுகலால் பெரும்பாலும் பாதிக்கப்படுவது	1.4	(அ) சுற்றுச்சூழல் (பாதுகாப்பு சட்டம்) 1986
	(அ) காற்று		(ஆ) காற்று (தடுப்பு மற்றும் மாசு கட்டுப்பாடு சட்டம்) 1981
	(ஆ) நீர்		(இ) நீர் (தடுப்பு மற்றும் மாசு கட்டுப்பாடு சட்டம்) 1981
	(இ) மன்	1	(ஈ) வன விலங்கு பாதுகாப்பு சட்டம் 1972
	(ஈ) இவைகள் எதுவும் இல்லை		Page 5 Code No. : 22963 B
	Page 4 Code No. : 22963 B	1	the second se

a Play of the state of the state of the state of the

In the wake of the Bhopal Tragedy, the Government of India enacted

- (a) The Environment (Protection) Act, 1986
- (b) Air (Prevention and Control of Pollution) Act, 1981
- (c) Water (Prevention and Control of Pollution) Act, 1981
- (d) Wildlife Protection Act, 1972
- காடழிப்புக்கான காரணங்களில் இதுவும் ஒன்று
 - (அ) காற்று ஆற்றல்
 - (ஆ) சூரிய ஆற்றல்
 - (இ) நீர்மின் திறன்
 - (ஈ) மக்கள் தொகை வெடிப்பு

One of the causes of deforestation is

- (a) wind energy
- (b) solar energy
- (c) hydroelectricity
- (d) population explosion

Page 6 Code No. : 22963 B

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Answer should not exceed 250 words.

 (அ) அதிக பயன்பாட்டினை பற்றி கருத்துரைக்க. Comment on over-exploitation.

Or

- (ஆ) பாலைவனமாதல் பற்றி எழுது. Write on desertification.
- (அ) குளம் சுற்றுச்சூழல் பற்றி விளக்கு.
 Explain pond ecosystem.

Or

- (ഷ്ക) உணவு வலைகள் விவரி. Describe food webs.
- (அ) உலகின் மாபெரும் வேறுபாடுகள் நிறைந்த காடுகள் பற்றி எழுதுக.
 Write on megadiversity countries of the

world.

Or

(ஆ) உயிர்புவியியல் வகைப்பாட்டினை விவரி. Describe biogeographical classification of India.

Page 7 Code No. : 22963 B

14. (அ) வெப்ப மாசுபாட்டால் ஏற்படும் தீங்குகளை விளக்குக.

Explain the harmful effects of thermal pollution.

Or

(ஆ) அமில மழை பற்றி கருத்துரைக்க. Comment on acid rain.

(அ) ஒசோன் சிதைவு பற்றி கருத்துரைக்க.
 Comment on ozone depletion.

Or

(ஆ) வனவுயிர்கள் பாதுகாப்பு சட்டத்தை பற்றி எழுதுக. Write on Wildlife Protection Act.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Answer should not exceed 600 words,

(அ) உர-பூச்சிக்கொல்லி பிரச்சினைகளை பற்றி எழுதுக.
 Write on fertilizer-pesticide problems.

Or

Page 8 Code No. : 22963 B

- (ஆ) புதுப்பிக்கப்படாத ஆற்றல் வளங்களை விவரி. Describe non-renewable energy resources.
- 17. (அ) வனசூழலை விளக்குக. Explain forest ecosystem.

Or

- (ஆ) சூழியல் பிரமிடுகளைப் பற்றி ஒரு குறிப்பு வரைக. Give an account on ecological pyramids.
- (அ) பல்லுயிர் வெப்ப புள்ளிகள் பற்றி விளக்கு.
 State hotspots of biodiversity.

Or

(ஆ) பல்லுயிரியலின் வெளியிடப் பாதுகாப்பினைப் பற்றி விளக்குக.

Explain ex-situ conservation of biodiversity.

19. (அ) கடல் மாசுபாடு விவரி.

Narrate marine pollution

Or

(ஆ) பேரழிவு மேலாண்மை உத்திகளை விளக்குக. Explain disaster management strategies.

Page 9 Code No. : 22963 B

(6 pages)	Reg. No. :		one	stateme		anch unconditionally gram.
Code No. : 41	356 E Sub. Code : S	SMCA 11	(a)	abort	(b)	if
B.C.A. (CB	CS) DEGREE EXAMINATIC NOVEMBER 2018.	DN, 4.	(c) Wh	switch ich is exit control	(d) loop?	goto .
4	First Semester		(a)	for	(b)	dowhile
Comp	uter Applications — Main		(c)	while	(d)	none
P	ROGRAMMING IN 'C'	5.	Arr	ay is	data tyj	pe.
(For those w	ho joined in July 2017 onwar	rds)	(a)	fundamental	(b)	user-defined
Time : Three hour	s Maximum :	75 marks	(c)	derived	(d)	none
A	ΓA — (10 × 1 = 10 marks) nswer ALL questions.	6.		stremp function 1 ngs are equal.	returns	
	orrect answer :	When a start start is	(a)	null	(b)	zero
1. The increment used —	ent and decrement operator type.	rs can be	(c)	true	(d)	positive
(a) int, lon	g (b) short	7.		reduce t	he leng	th and complexity of
(c) float	(d) both (a) an	ıd (b)	pro	gram.	1.01	
2. Every stater	nent in a C program must en	d with	(a)	array	(b)	union
(a) ;	(b) :		(c)	structure	(d)	function
(c) ,	(d) .	用 图 图 页		Pa	ge 2	Code No. : 41356 E

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Nesamony Memorial Christian College, Marthandam



8.	A n	nain program	can have	at most
0.		aber of function		De Theward
	(a)	2	(b)	5
	(c)	10	(d)	no limit
9.	Poir	nter declaration	n should st	art with the symbol
8. 11	(a)	#	(b)	@
	(c)	&	(d)	
10.		pointer the ope able	rator * ind	licates ——— c
	(a)	address	(b)	location
	(c)	content	(d)	none of these

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

Write a C program to check whether the 11. (a) given year is LEAP or not.

Or

Discuss data types in C. (b)

Page 3 Code No. : 41356 E

of

- Explain conditional operator in C. 12. (a) Or
 - Explain any two forms of if statement. (b)
- Write a C program to check whether two (a) 13. string are equal or not.

Or

- Write a C program to find the smallest (b) element in an array.
- Write a C program to find the factorial of (a) 14. given number using recursion.

Or

- How to declare and call a function in C? (b)
- Explain the concept of Pointers in C 15. (a)

Or

Write a C program to implement call by (b) value.

Code No. : 41356 E Page 4 [P.T.O.]

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

- 16. (a) Explain all operators in C.
 - Or
 - (b) Write a C program to check whether the given number is Armstrong or not.
- (a) Write a C program to find the sum of first N Even natural numbers using while statement.

Or

- (b) Explain switch statement with suitable example.
- (a) Write a C program to find the sum of diagonals of a matrix.

Or

- (b) Explain any five string handling functions.
- 19. (a) Write a C program to implement user defined functions.

Or

(b) Explain the scope and life time of variables.

Page 5 Code No. : 41356 E

20. (a) Explain array of pointers with suitable example.

Or

(b) Write a program using pointers to determine the length of a character string.

(6 pages) Reg. No. :	3.	What is the return returns any value?	type of a method that does not
Code No. : 41358 E Sub. Code : SMCA 31		(a) int	(b) float
B.C.A (CBCS) DEGREE EXAMINATION,		(c) void	(d) double
NOVEMBER 2018. Third Semester	4.	Which of the follow name as that of its of	ing is a method having same class?
Computer Application — Main		(a) finalize	(b) delete
JAVA PROGRAMMING		(c) class	(d) construction
(For those who joined in July 2017 onwards)	5.	Variables included v	within an interface are
Time : Three hours Maximum : 75 marks		(a) final	(b) finally
PART A — $(10 \times 1 = 10 \text{ marks})$ Answer ALL questions.		(c) finalizę	(d) private
Choose the correct answer :	6.	The me	ethod waits for the thread to
 How many primitive data types are there in java? (a) 6 (b) 7 		(a) join()	(b) wait()
(c) 8 (d) 9		(c) notify()	(d) stop()
2. Which of these operations is used to allocate memory for an object?	7.	The animation lo	oop is usually written in
(a) malloc (b) alloc		(a) init()	(b) stert()
(c) calloc (d) new		(c) run()	(d) stop() Page 2 Code No. : 41358 E



8. The event listenet corresponding to handling keyboard events is the

- (a) Key Listener
- (b) Keyboard Listener
- (c) Keys Listener
- (d) KB Listener
- 9. The user interface component to displays a text string
 - (a) Event (b) Field
 - (c) String (d) Label
- The ______ class represents individual items in a menu.
 - (a) Menu (b) Menu Bar
 - (c) Menu Item (d) Menu Edit
 - PART B $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

- 11. (a) Explain about the two types of java programs.
 - Or
 - (b) Discuss about lexical issue.

Page 3 Code No. : 41358 E

- 12. (a) Give an overview about constructors.
 - Or
 - (b) Write a note on command line arguments. give example java program.
- (a) List down the most common types of exceptions that might occur in Java. Give examples.

Or

- (b) What is finally block? When and how its is used? Give a suitable example.
- 14. (a) Discuss about the Byte stream classes.

Or

- (b) Explain about Adapter classes.
- (a) Explain about the class hierarchy for panel and frame.

Or

(b) Discuss about the draw line () method.

Page 4 Code No. : 41358 E [P.T.O.]

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b). Each answer should not exceed 600 words.

16. (a) Discuss about the three OOP principles.

Or

- (b) Explain about the bitwise operators in java.
- 17. (a) Discuss in detail about method overloading.

Or

- (b) Explain about the Keyword 'Super'.
- 18. (a) Discuss in detail about package.

Or

- (b) Write a java program to create multiple trends.
- 19. (a) Explain about the Applet display methods.

Or

(b) Discuss about the mouselistener interface.

Page 5 Code No. : 41358 E

20. (a) Explain about Frame windows.

Or

(b) Discuss about the different types of controls supports AWT.

Page 6 Code No. : 41358 E

Reg. No. :

ode No. : 41359 E Sub. Code : SMCA 32

B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

Third Semester

Computer Application - Main

FINANCIAL ACCOUNTING

(For those who joined in July 2017 onwards)

me : Three hours

Maximum : 75 marks

SECTION A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer :

The principle of accountancy which recognizes the double aspect of a business transaction is known as ______ concept.

- (a) entity concept
- (b) dual aspect
- (c) accrual concept
- (d) objectivity concept

2.	The	rule	for	Real	Account	is

- (a) debit what comes in credit what goes out
- (b) debit the receiver credit the given
- (c) debit all expenses and losses and credit all gains and incomes
- (d) none of the above
- 3. Purchase Return Book is prepared on the basis of
 - (a) debit note (b) credit note
 - (c) invoice notes (d) requisition notes
- 4. Journal is also called as
 - (a) book of original entry
 - (b) books of subsidiary record
 - (c) books of prime entry
 - (d) all the above
- 5. A schedule of balances drawn from the ledger is called
 - (a) trial balance (b) balance sheet
 - (c) income statement (d) trading a/c
 - Page 2 Code No. : 41359 E

- 6. Appearing in the Trial Balance are shown in the balance sheet
 (a) prepaid expenses
 - (b) outstanding expenses
 - (c) outstanding income
 - (d) all the above
- 7. Which of the following is the aim of manufacturing account?
 - (a) to disclose the operating profit
 - (b) to find out total cost
 - (c) to ascertain the factor cost of production
 - (d) cost control and ascertainment of cost
- 8. The first part of the income statement is called
 - (a) profit and loss a/c
 - (b) balance sheet
 - (c) trading a/c
 - (d) trading profit and loss a/c-
- 9. Income and expenditure account is a nature of
 - (a) Real a/c
 - (b) Personal a/c
 - (c) Nominal a/c
 - (d) Representative of personal a/c Page 3 Code No. : 41359 E



10. Donations received for a specific purpose is

(a) capital receipts (b) revenue receipts

(d)

asset

(c) liability

SECTION B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

 (a) What is Double Entry System of Book-Keeping? What are its advantages?

Or

- (b) Explain Personal a/c, Real a/c and Nominal a/c.
- 12. (a) Journalise the following transactions :
 - (i) Started business with cash Rs. 9,000
 - (ii) Purchased goods for cash Rs. 2,100
 - (iii) Sold good for cash Rs. 700
 - (iv) Deposited into Canara Bank Rs. 3,000
 - (v) Cash received from Rajan Rs. 400
 - (vi) Cash paid to Ananda Traders Rs. 1,000
 - (vii) Paid salary Rs. 300
 - (viii) Paid rent Rs. 400
 - (ix) Received commission Rs. 200
 - (x) Withdrew from Canara Bank Rs. 1,200.

Or

(b) What is meant by Subsidiary Books? Explain the different types of Subsidiary Books.

Page 4 Code No. : 41359 E

 (a) From the following balance of accounts prepare Trial Balance :

> Capital a/c Rs. 40,000, Building a/c Rs. 6,000, Bank a/c Rs. 4,000; Interest a/c Rs. 350; B/R a/c Rs. 8,000; Debtors a/c Rs. 30,000; B/P a/c Rs. 15,900; Furniture a/c Rs. 6,500; Discount received a/c Rs. 1,200; Discount allowed a/c Rs. 2,100; Machinery a/c Rs. 8,000; Creditors a/c Rs. 7,850.

,Or

- (b) What are the errors that affect the agreement of Trial Balance?
- (a) Explain the different stages in Financial Accounts.

Or

(b) From the following information ascertain Gross Profit and Net Profit.

> Stock at beginning Rs. 2,400; Purchases Rs. 15,205; Sales Rs. 20,860; Closing stock Rs. 3,840; Return outward Rs. 185; Return inwards Rs. 860; Carriage inward Rs. 524; Manufacturing wages Rs. 2,800; Manufacturing wages outstanding Rs. 96; Loss due to fire Rs. 1,000; Indirect expenses Rs. 200.

Page 5 Code No. : 41359 E



15. (a) Explain Receipts and Payments account.

Or

(b) What amount will be shown in the Income and Expenditure a/c

> Subscription outstanding on 1.1.99 to Rs. 1,500

Subscription received ruing 1999 Rs. 16,500

Subscription received in advance on 1.1.99 Rs. 2,500

Subscription outstanding on 31.12.1999 Rs. 3,500

Subscription received in advance Rs. 6,000 on 31.12.1999.

SECTION C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain the various accounting concepts and conventions.

Or

(b) Explain the objectives and functions of accounting.

Page 6 Code No. : 41359 E

- 17. (a) Journalise the following transactions :
 - (i) Sold goods for cash Rs. 1,300
 - (ii) Purchased goods Rs. 400
 - (iii) Purchased goods from Kumar Rs. 300
 - (iv) Sold goods to Prabu Rs. 2,000
 - (v) Received cash from Prabu Rs. 1,200
 - (vi) Paid to Kumar Rs. 1,000
 - (vii) Paid salary Rs. 700
 - (viii) Received rent from Arun Rs. 500
 - (ix) Purchase a machinery from Babu for Rs. 15,000 for cash
 - (x) Furniture sold to Chandran Rs. 5,000 on credit.

Or

(b) What is Ledger? How is it maintained? Explain its significance.

18. (a) Prepare a Trial Balance :

Opening stock Rs. 10,600; Wages Rs. 2,200; Carriage inwards Rs. 200; Commission (Dr) Rs. 300; Purchases Rs. 12,000; Return inwards Rs. 440; Trade expenses Rs. 580; Rent Rs. 200; Plant Rs. 2,600; Repairs to plant Rs. 460; Cash in hand Rs. 200; Cash at bank Rs. 1,000; Debtors Rs. 3,000; Income tax Rs. 500; Drawings Rs. 700; Return outwards Rs. 150; Sales Rs. 25,200; Discount received Rs. 400; Capital Rs. 70,000; Creditors Rs. 830; Loan (Cr) Rs. 1,400.

Or

(b) What is Trial Balance? Explain the objectives of Trial Balance.

Page 7 Code No. : 41359 E



 (a) From the following trial balance, you are required to prepare Trading, Profit and Loss a/c and Balance sheet for the year ended 31.12.2017.

Trial Balance

Debit	Rs.	Credit	Rs.
Drawings	4,000	Capital	20,000
Cash at bank	1,700	Sales	16,000
Cash in hand	6,500	Sundry creditors	4,500
Wages	1,000		8
Purchases	2,000		
Stock (1.1.2017)	6,000		1
Buildings	10,000		
Sundry debtors	4,400		
Bills receivable	2,900		
Rent	450		
Commission	250		
General expenses	800		
Furniture	500		
	40,500	11-11-17	40,500
	Page 8	Code No. : 4	1359 E

Adjustments :

- (i) Closing stock Rs. 4,000
- (ii) Interest on capital at 6%
- (iii) Interest on drawing at 5% to be provided
- (iv) Wages yet to be paid Rs. 100
- (v) Rent prepaid Rs. 50.

Or

(b) From the following trial balance, prepare trading, profit and loss and balance sheet as on 31.12.2017:

Trial Balance

	Rs.		Rs.	1
Purchases	15,000	Capital	40,000	
Salaries	2,000	Sales	25,000	
Rent	1,500	Creditors	1,000	
Insurance	300			
Drawings	5,000			
Machinery	28,000			
Bank balance	4,500	0.1		
Cash	2,000			
Stock (1.1.2017)	5,200			
Debtors	2,500	1.	13/2 27	
A Stant	66,000		66,000	

Page 9 Code No. : 41359 E

Adjustments :

- (i) Closing stock Rs. 4,900
- (ii) Salaries unpaid Rs. 300
- (iii) Rent paid in advance Rs. 200
- (iv) Insurance prepaid Rs. 90.
- 20. (a) Distinguish between Income and Expenditure and Receipts and Payments account.

Or

(b)						diture a 1 payme		
Rece		Rs.		S	ayments		Rs.	
To Balan	ce b/d	1,000	By F	Rent			400	
To Dona	tions	520	By S	Sundr	y expen	ses	420	3
To Subso	riptions	6,600	By I	Posta	ge and t	elegram	140	
				Statio			60	
			By I	nves	tments		2,000	
			By I	Balan	ce c/d :		34	
			Cas	h in l	nand		4,350	
			Cas	hatk	oank		750	
an thur,		8,120					8,120	
			Pag	e 10	Code	No. : 4	1359 E	1

Additional Information :

- (i) 31.12.2015 subscription from members outstanding Rs. 400
- (ii) Rent due but not paid on 31.12.2015 Rs. 120
- (iii) Donation is to be capitalised.

Page 11 Code No. : 41359 E

pages) Reg. No. :	2 is used to read a HTML page and render it.
Code No. : R 41360.E Sub. Code : SMCA 33	(a) Web browser
B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018	(b) Web server(c) Web Matrix
Third Semester	(d) None of the above
Computer Application – Main INTRODUCTION TO INTERNET WITH HTML	 tag tells the browser where the page starts and steps.
(For those who joined in July 2017 onwards)	(a) <body> (b) <html></html></body>
ime : Three hours Maximum : 75 marks	(c) <head> (d) <title></td></tr><tr><td>PART A — (10 × 1 = 10 marks)
Answer ALL questions.
Choose the correct answer :</td><td> A is a fixed part of the page that
will stay on the screen when we scroll the text of
the page. </td></tr><tr><td>. The first network that planted the seeds of internet was</td><td>(a) Link (b) Image
(c) Style (d) Banner</td></tr><tr><td> (a) ARPANET (b) NSFNET </td><td>5. There are attributes to the <hr> tag.</td></tr><tr><td>(c) UNET
(d) Both (b) and (c)</td><td>(a) 1 (b) 2
(c) 3 (d) 4</td></tr><tr><td></td><td>Page 2 Code No. : R 41360 E</td></tr></tbody></table></title></head>



- The data in each cell is aligned _____ by default.
 - (a) Right . (b) Left

- (c) Justify (d) Center
- <u>style</u> style sheet is stored in a separate file. This style sheet can be linked to any number of HTML documents.
 - (a) In-Line (b) Internal
 - (c) External (d) Both (a) and (b)
- A ______ sheet is a list of statements which declares the styles of various components such as headings, paragraphs, etc.
 - (a) Style (b) In-Line
 - (c) Internal (d) External
- A set of frames is defined using the ______ tag.
 - (a) <frame> (b) <frame set>
 - (c) <forms> (d) <set frame>
- 10. _____ are used to get input from users.
 - (a) <frame> (b) <forms>
 - (c) <frame set> (d) <input>
 - Page 3 Code No. : R 41360 E

PART B -- (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b). Each answer should not exceed 250 words.

11. (a) Explain about E - mail.

Or

- (b) Discuss about internet.
- 12. (a) Briefly explain about history of html.

Or

- (b) Write short notes on comment lines.
- (a) Explain about paragraph tag in HTML with example.

\mathbf{Or}

- (b) How to insert images and pictures in HTML document and explain its attributes?
- 14. (a) Discuss about External style sheet.

Or

(b) Explain about how to define styles.

Page 4 Code No. : R 41360 E

Nesamony Memorial Christian College, Marthandam

[P.T.O.]



Or

(b) Write a HTML program to display the application form using form elements.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss about Internet Technologies.

Or

- (b) Explain about Internet Browsers.
- 17. (a) Discuss about the Header section in HTML.

Or

- (b) Describe about Links in HTML.
- 18. (a) Explain about lists in HTML with example.

Or

(b) Discuss about Tables in HTML with example.

Page 5 Code No. : R 41360 E

Explain types of style sheets with example. Or

.....

- (b) Explain the elements of styles.
- 20. (a) Discuss about Frames with example.

Or

(b) Explain the elements of forms with example.

Page 6 Code No. : R 41360 E



	run-time
Code No. : 41347 E Sub. Code : JMCA 41/ SMCA 41	(a) Preserve (b) Multidimensional
	(c) Fixed-size (d) Dynamic array
B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.	 4 is the process of clicking the mouse button in a control and moving the mouse whi holding down the mouse button.
Fourth Semester	(a) Dropping (b) Cutting
Computer Application — Main	(c) Moving (d) Dragging
VISUAL BASIC	5. A object represents a Connection to
(For those who joined in July 2016 only)	remote database used as a data source for th associated commands.
Fime : Three hours Maximum : 75 marks	(a) Connection (b) RDO
PART A — $(10 \times 1 = 10 \text{ marks})$	(c) ADO (d) Fixed
Answer ALL questions.	6. The ——— object contains the information
Choose the correct answer : From files are saved with the extension	to be saved and loaded when Active X control the is built is created or destroyed.
(a) .form (b) .frm	(a) Property value (b) Property bag
(c) .vbfrm (d) .vbform	(c) Property variable (d) Property reference
 The contains of the tile bar, menu bar, and tool bar 	7. Active X controls can be included to a project
(a) Toolbox	
(b) Properties window	(a) 1 (b) 2
(c) Project explorer window	(c) 3 (d) 4
(d) Main window	Page 2 Code No. : 41347

- (a) Project explorer (b) Object browser
- (c) Properties window (d) Form window
- 9. A ------ access file is like a database
 - (a) Random (b) Sequential
 - (c) Dynamic (d) Static
- Any ——— typed in one text box can be cut, copied and pasted in the other textbox

(a)	Label	(b)	Data
(c)	Text	(d)	Word

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

 (a) Explain about visual basic variables and declarations.

Or

(b) Discuss about procedures in visual basic. Page 3 Code No. : 41347 E (a) Write note on MsgBox () function with an example program.

Or

- (b) Write mouse events.
- (a) Explain about evolution of computer architecture.

Or

- (b) Discuss about remote data objects.
- 14. (a) Write note on OLE Automation object.

Or

- (b) Explain about Connection and Command object with an example.
- 15. (a) How to create a User Control in VB? Explain.

Or

(b) How will you link the controls on a form to the ADO data control?

> Page 4 Code No. : 41347 E [P.T.O.]



PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss about VB Programming Environment.

\mathbf{Or}

- (b) Write a note on User Defined Procedures and functions in VB.
- (a) Discuss about various ways to add a dialog box in our applications.

Or

- (b) Discuss about multiple document interface using flex gird control.
- 18. (a) Calculate a database for an employee and to access it with DAO using ODBC.

Or

- (b) Write about Remote Data objects.
- 19. (a) Discuss about OLE drag and drop with example program.

Or

(b) Explain about Data Report.

Page 5 Code No. : 41347 E

(a) Explain sequential file creations in VB with an example.

Or

- (b) Create a database containing the following fields to hold the address of 10 students.
 - (i) Name (ii) Door NO
 - (iii) Street (iv) Place
 - (v) Pin code.

20.

Create form with ADO to view and accesses the Addresses.

Page 6 Code No. : 41347 E



(8 pages)	Reg. No. :	2. In Linear programming, lack of points for a solution set is said to
Code N	No.: 41447 E Sub. Code : SMCA 43	(a) have no feasible solution
В.	C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.	(b) have a feasible solution(c) have single point method
	Fourth Semester	(d) have infinite point method
(Fo	Computer Application — Main OURCE MANAGEMENT TECHNIQUES r those who joined in July 2017 onwards)	 3. In maximization cases, ——— are assigned to the artificial variables as their coefficients in the objective function. (a) +m
	ree hours Maximum : 75 marks PART A — (10 × 1 = 10 marks) Answer ALL questions. ose the correct answer :	 (b) -m (c) o (d) None of the above
	ear programming model which involves fund cation of limited investment is classified as	4. In Assignment problem the value of decision variable xij is ——————————————————————————————————
(a)	Ordination Budgeting Model	(a) no restriction
(b)	Capital Budgeting Model	(b) one or zero
(c) (d)	Funds Investment Model Fund Origin Models	(c) two or one(d) none of them
	Sale for man in the second second	Page 2 Code No. : 41447 E



- The solution to a transportation problem with m-rows and n-columns is feasible if number of possible allocations are
 - (a) m + n
 - (b) m + n 1
 - (c) m × n
 - (d) All of the above
- Activity which does not require any resources or time is called ———.
 - (a) Dummy
 - (b) Successor
 - (c) Predecessor
 - (d) None of them
- 7. What is not an example of cost of conformance to quality?
 - (a) Legal liabilities
 - (b) Planning
 - (c) Quality audits
 - (d) Field Testing

Page 3 Code No. : 41447 E

- 8. The company has to repair or replace a product. This will be taken as a?
 - (a) Recall cost
 - (b) Warranty cost
 - (c) Scrap and rework cost
 - (d) Inspection and testing cost
- 9. The Nash equilibrium in a Bertrand price setting game in which firms first choose output capacities resembles the equilibrium in
 - (a) the competitive model
 - (b) the cournot model
 - (c) the cartel model
 - (d) the price leadership model
- 10. Which of the following is a zero_sum game?
 - (a) Prisoner's dilemma
 - (b) Chess
 - (c) A Cartel member's decision regarding whether or not to cheat
 - (d) All of the above

Page 4 Code No. : 41447 E [P.T.O.]



PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

11. (a) Write the advantages of Linear programming problem.

Or

- (b) How will you plot inequalities of LPP?
- 12. (a) Give mathematical form of assignment problem.

Or

- (b) What is feasible solution and nondegenerate solution in travelling salesman problem?
- 13. (a) How will you allocate jobs in a sequence if two jobs on first machine have same processing time?

Or

- (b) Give two types of events used in network analysis.
- 14. (a) What are all the techniques followed in project planning?

Or

(b) Give the similarities and differences in CPM and PERT.

Page 5 Code No. : 41447 E

15. (a) List out the rules of Dominance.

Or

(b) Give some advantages of Inventory.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions choosing either (a) or (b).

- (a) Solve the following LPP by graphical method.
 - (i) Maximize $Z = 25x_1 + 20x_2$
 - Subject to $16x_1 + 12x_2 \le 100$ $8x_1 + 16x_2 \le 80$ $x_2 \ge 2, \quad x_1, x_2 \ge 0$
 - (ii) Maximize $Z = 3x_1 + 2x_2$
 - $\begin{array}{lll} \text{Subject to} & -2x_1+3x_2\leq 9\\ & -x_1+5x_2\leq 20\\ & x_1,x_2\geq 0 \end{array}$

Or

(b) What is the standard form of the LPP? State its characteristics.

Page 6 Code No. : 41447 E



17. (a) Write the steps for solving an Assignment problem by Hungarian method.

Or

(b) Find the assignment of salesman to various districts which will result minimum cost.

Salesman District

1	2	3	4	
16	10	14	11	
14	11	15	15	
15	15	13	. 12	
13	12	14	15	
	16 14 15	16 10 14 11 15 15	161014141115151513	161014111411151515151312

Johe

18. (a) Solve following cost minimizing problem.

				0008			
		I	п	III	IV	v	
	А	45.	30	65	40	55	
	в	50	30	25	60	30	
Machines	С	25	20	15	20	40	
	D	35	25	30	30	20	
	Е	80	60	60	70	50	
		01					

(b) Write short note on travelling salesman problem.

Page 7 Code No. : 41447 E

 (a) Discuss about the steps to be followed in allocating tasks and due date in project management.

Or

- (b) How can you assume expected length of a project? Explain it with some example.
- 20. (a) Analyze the following game using dominance considerations and write the corresponding pair(s) strategy to its solution(s). Write each strategy pair in the form Rx, Cy), where x and y are integers corresponding to row and column numbers, respectively.

	C_1	C_2	\mathbf{C}_3	C_4	
R1	5	4	4	6	
\mathbf{R}_2	5	6	9	2	
\mathbf{R}_3	7	6	8	7	
2)					

Or

Ra, C:

(b) Write the formula for the quantity to order and lead time and find the solution with some examples.

Page 8 Code No. : 41447 E



	1	leg. No	. :					
Co	de No. : 41388 E	Sub	. Code : SNMA 4 B					
U.C	G. (CBCS) DEGREE EX	AMINA	TION, APRIL 2019.					
	Fourth	Semeste	er som internet in					
	Math	ematics						
	Non-Major Elective — STATIS							
10	(For those who joined	l in July	2017 onwards)					
Fime	e : Three hours		Maximum : 75 marks					
	PART A — (10 Answer AI Choose the correct an	L quest	21 2 20 6 0 4 2 2 2 4 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4					
	Choose the correct an	swer:						
	For the two attributes A and B the 2×2 contingency table is given							
		B Non	В					
	A	a b	1993 - State 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1993 - 1					
26.	Non A	c d						
	Then the expected fr	equency	of attribute AB is					
	(a) $\frac{(a+b)(b+d)}{a+b+c+d}$	(b)	$\frac{(a+b)(a+c)}{a+b+c+d}$					

2.	Given n attributes, the total number of positive class frequencies is	6.	According to the sum of the current period	ne quantities o	method, the weight is of the base period and
	(a) 3^n (b) 2^n		a) Bowley's	s (b)	Marshall's
	(c) 2^{n-1} (d) 3^{n-1}		c) Fisher's	(d)	Kelley's
	In the computation of an index number, if the base year used for comparison is kept constant	7.	Which one of Fisher's index		; is not involve in the
	throughout, then it is called — method.		a) Fisher's	(b)	Laspeyre's
	(a) Chain base		c) Paasche	's (d)	Bowley's
	(b) Aggregate	8.	Which one onumber?	of the followi	ng is an ideal index
	(c) Average of price relative		a) Laspeyr	e's (b)	Paasche's
	(d) Fixed base		c) Bowley's	s (d)	Fisher's
4	If the current year quantities are taken as weights then that index number is called	9.	The process between two	of finding a f variables is cal	functional relationship lled ————.
	index number.		a) Scatter	diagram	
	(a) Laspeyre's (b) Paasche's		b) Curve fi	tting	
	(c) Marshall's (d) Bowley's		c) Principle	e of least squa	re
	(c) Marshall's (u) Bowley's		d) Normal	equations	
j .	The arithmetic mean of Laspeyre's and Paasche's	10.	Best fit of a c	urve is achieve	ed by
	index number is defined as index		a) Scatter		
	number.			e of least squar	re
	(a) Bowley's (b) Marshall's			equations	
	(c) Fisher's (d) Kelley's		d) Curve fi	tting	
	Page 2 Code No. : 41388 E			Page 3	Code No. : 41388 E

PART B --- (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) In a very hotly fought battle 70% of the soldiers atleast lost an eye 75% atleast lost an ear, 80% atleast an arm and 85% atleast lost a leg. How many atleast must have lost all the four?

Or

- (b) In a class in which 135 candidates were examined for proficiency in English and Maths. It was discovered that 75 students failed in English, 90 failed in Maths and 50 failed in both. Find how many candidates
 - (i) have passed in Maths
 - (ii) have passed in English, failed in Maths
 - (iii) have passed in both.
- 12. (a) Construct index numbers of prices from the following data by applying
 - (i) Laspeyre's method
 - (ii) Paache's method. Page 4 Code No. : 41388 E

Commodi	ties Ba	ise Year	Curr	ent Year
	Price	Quantity	Price	Quantity
A	2	8	4	6
В	5	10	6	5
С	4	14	5	10
D	2	19	2	13
		Or		
(b) C fo	alculate La llowing dat	speyre's in a :	ndex nu	mber for the
Commodi	ties Ba	se Year	Curr	ent Year
	Price	Quantity	Price	Quantity
Α	6	50	10	56
В	2	100	2	120
С	4	60	6	60
D	10	30	12	24
Е	8	40	12	36
	ind Bowle llowing dat	y's index a :	numbe	r from the
Commodi	ties Ba	se Year	Curr	ent Year
	Price	Quantity	Price	Quantity
1	60	30	90	25
2	16	20	25	15
3	140	10	250	5
4	160	3	200	2
		Or		

(b)	Find Marsha	ll's index	number f	from the
	following data	a : (Conside	er 1993-94	as base
	year)			2001

Commodity		199	93-1994	2000-2001			
		Price	Quantity	Price	Quantity		
	Medical	20	8	40	6		
	Dress	50	10	60	5		
	Fruits and vegetables	40	15	50	15		
	Food	20	29	20	25		
	Location	60	. 1	75	1		

 (a) Calculate Fisher's index number for 1992 for the following data :

Flour Rice Wheat Year Price Quantity Price Quantity Price Quantity 11 5.1õ 6.4 1988 9.3 100 2.7 3 3.7 10 90 1992 4.5

Or

Compute Fisher's index number from the (b) following data : Brinjal Onion Tomato Year Price Quantity Price Quantity Price Quantity 2 5 50 3 10 1980 4 8 4 40 8 4 1990 10

Page 6 Code No. : 41388 E

 15. (a) Fit a straight line to the following data :

 X-Years
 1911
 1921
 1931
 1941
 1951

 Y-Production
 10
 12
 8
 10
 14

Or

(b) Fit a straight line to the following data:
 x 0 1 2 3 4
 y: 2.1 3.5 5.4 7.3 8.2

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Given the following positive class frequencies. Find the remaining class frequencies. N = 20, (A) = 9; (B) = 12; (C) = 8, (AB) = 6; (BC) = 4; (CA) = 4; (ABC) = 3.

Or

(b) A company produces tube lights and conducts a test on 5000 lights for production defects of frames (F), Chokes (C), Starters (S) and tubes (T). The following are the records of defects.

Page 7 Code No. : 41388 E

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		- All Providence		FS) = 37; (I) ; (FCT) =10		(CST) = 85 (CST) = 5.
			10/00	ercentage o our tests.	f the tub	e light which
7.	(a)	Calc	ulate :			
		(i)	Laspe	yre's index	number	
		(ii)		he's index ing data giv	S	er for the
Com	mod	lities	Base	Year 1990	Current	t Year 1992
			Price	Quantity	Price	Quantity
	A		2	10	3	12
	B		5	16	6.5	11
	С		3.5	18	4	16
	D		7	21	9	25
1	Е		3	11	3.5	20
				Or		
((b)	Find	;			(e
		(i)	Laspey	re's		
	141	(ii)		ne's index ng data .	numbe	r from the
				Page 8	Code N	o. : 41388 E

AL.

Commodities		Bas	e Year	Curre	ent Year
		Price	Quantity	Price	Quantity
110	1	60	30	90	25
:	2	16	20	25	15
(3	140	10	250	5
4	4	160	3	200	2
. (a)	Find				
	(i)	Bowley's	s index nu	mber	
	(ii)	Marshal		numbe	r from the
Commodi	ty	Base Y	ear	Curr	ent Year
	Pri	ice (Rs.)	Quantity	Price (Rs	.) Quantity
Food		20	3	, 40	5
Cloth		25	4	50	6
Fuel		30	2	60	- 3
House		10	1	20	2
			Or		
(b)	Find				
	(i)	Bowley's	3		
	(ii)	Marshal following		number	s from the
(b)	(i)	Marshal following	s I's index g data :		s from t



Commodity	Ba	se Year	Curr		
	Price	Quantity	Price	Quantity	
А	16	5	20	6	
В	12	10	12	12	
с	14	6	16	6	1
D	20	3	22	2	
Е	18	4	22	3	

 (a) Consider 1996 year as base year and 2004 year as current year. Find Fisher's index number from the following data :

C

ommodity	Qua	ntity	Price		
	1996	2004	1996	2004	
Α	100	150	600	1400	
В	80	100	350	600	
С	60	75	250	550	
D	30	35	350	250	

Using these values find its satisfies time reversal test.

Or

(b) Construct, with the help of data given below, Fisher's index number and show that it satisfies the time reversal test.

Page 10 Code No. : 41388 E

Commodity	Base	year	Current year	
	Price (Rs.)	Quintals	Price (Rs.)	Quintals
А	5	50	7	60
в	6	40	8	50
С	4	120	5	110
D	3	30	4	35

 20. (a)
 Fit a straight line to the following data :

 Year
 1986 1987 1988 1989 1990 1991 1992

 Monthly production
 64
 73
 93
 73
 84
 106
 110

Or

Fit a straight line to the following data and (b) estimate the value of y corresponding to x = 6. 0 5 10 15 20 25 x 30 .12 15 17 22 24 y

Page 11 Code No. : 41388 E

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(6 pages)

Reg. No. :

Code No.: 41361 E Sub. Code: SSCA 3 A

B.C.A. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.

Third Semester

Computer Application - Main

Skill Based Subject – PROGRAMMING WITH PHP AND MYSQL

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer ALL questions.

Choose the correct answer :

Expand PHP

1.

- (a) Processor Home Page
- (b) Hypertext Processor
- (c) Pretext Hypertext Processor
- (d) Preprocessor Home Page

- 2. PHP scripts are enclosed with in _____
 - (a) <php>...</php> (b) <?php....?>
 - (c) <php...<php (d) <p>...
- 3. Which built-in function will add a value to end of an array?
 - (a) array-unshift() (b) into-array()
 - (c) inend-array() (d) array-push()
- PHP sessions are created using the function.
 - (a) session-starts() (b) sessions-start()
 - (c) session-start() (d) none
- 5. Which one of the following function is capable of reading a specific number of characters from a file?
 - (a) fgets() (b) fget()
 - (c) fileget() (d) filegets()

Page 2 Code No. : 41361 E



- The ______ function checks if the "end-of-file" (EOF) has been reached.
 - (a) f_eof() (b) f_of()
 - (c) feofs_() (d) feof()
- 7. Which "text-type" has minimum number of bytes?
 - (a) Tiny Text (b) Text
 - (c) Medium Text (d) Long Text
- 8. What values does the count (*) function ignore?
 - (a) Repetitive values (b) Null values
 - (c) Character (d) Integers
- 9. How much character are allowed to create database name?
 - (a) 55 (b) 72
 - (c) 64 (d) 40
- 10. Which of the following statements can be checked for errors?
 - (a) Create (b) Drop
 - (c) Delete (d) Insert

Page 3 Code No. : 41361 E

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write short notes about History of PHP.

Or

- (b) Discuss the break and continue statements in php with example.
- (a) Write notes about date and time functions in php.

Or

- (b) Briefly explain recursive functions in php with example.
- (a) Write about reading text from file using fgets in php with example.

Or

- (b) Write notes about locking files in php with example.
- (a) Define join in mySQL and briefly explain its types.

Or

(b) Write about sorting and filtering retrieved data in mySQL.

> Page 4 Code No. : 41361 E [P.T.O.]



 (a) Briefly explain about connecting mySQL with php database connectivity.

Or

(b) Discuss about debugging in php.

PART C — $(5 \times 8 = 40 \text{ marks})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Explain about various conditional statements in php with example.

Or

- (b) Define operators and explain various types of operators in php with example.
- 17. (a). Define arrays and explain about its processing with example.

Or

- (b) Explain about sessions in php.
- (a) Write about getting information From File using stat and fseek in php with example.

Or

(b) Explain about how to read or write binary file in php with example.

Page 5 Code No. : 41361 E

19. (a) Explain about various MySQL datatypes.

Or

- (b) Explain creation and Manipulation of tables in MySQL.
- 20. (a) Explain about Error handling in php with example.

Or

(b) Write about various Data and Time functions in.MySQL.

Page 6 Code No. : 41361 E

		PART C — $(5 \times 8 = 40 \text{ marks})$	Reg. No. :
- 64	Answ	er ALL questions, choosing either (a) or (b).	10g. 1101.1
16.	(a)	Explain in detail about Machine Language,	Code No. : 41449 E Sub. Code : SSCA 4 A
		Assembly Language and High-Level Languages. Or	B.C.A. (CBCS) DEGREE EXAMINATION, APRIL 2019.
	(b)	Explain 8085 Programming Model.	Fourth Semester
17.	(a)	Explain about the Classification of Memory.	Computer Application
	(b)	Or Explain in detail about the ALU.	Skill Based Subject : MICRO PROCESSOR (For those who joined in July 2017 onwards)
18.	(a)	Describe about the Addressing Modes of the Microprocessor.	Time : Three hours Maximum : 75 marks
		Or	PART A — $(10 \times 1 = 10 \text{ marks})$
	(b)	Explain about the logical Rotate Operations.	Answer ALL the questions.
19.	(a)	Illustrate Modulo ten counter. Or	Choose the correct answer :
	(b)	Explain the concept of Subroutine and its instructions.	1. The microprocessor communicates and operates in the binary numbers, called
20.	(a)	Write a program to convert an 8-bit Binary number into a BCD number.	(a) bits (b) bytes (c) micros - (d) macros
	4	Or	2. The common pathway between I/O, memory and
	(b)	 (i) Add two packed BCD numbers : 77 and 48. (And) 	(a) gate (b) bus
1		(ii) Registers BC contain 2793H, and	(c) path (d) channel
		registers DE contains 3182H. Write instructions to add these two 16-bit numbers, and place the sum in memory locations 2050H and 2051H.	 3. MPU stands for (a) Micro Processing Unit (b) Micro Programming Unit (c) Macro Processing Unit
		Page 4 Code No. : 41449 E	(d) Macro Programming Unit



4.	The 8085 has as the address bus (a) 2 (c) 8	(b) 4 (d) 16
5.	 Which flag is set when digit D3 and passed on to (a) Sign flag (b) Zero Flag (c) Auxiliary Carry Flag (d) Parity Carry Flag 	
6.	and WR is activ	
	(a) high, high(c) high, low	(b) low, low (d) low, high
7.	The accuracy of the tin accuracy of the (a) Counters (c) Registers	ne delay depends on the (b) Timers (d) System's clock
8.	separately from the ma function that occurs in program	o of instructions written- in program to perform a repeatedly in the main (b) procedure (d) subroutine
9.	A BCD number between R/W memory location cal (a) Buffer (c) INBUF	a 0 and 99 is stored in a led the
10,	DCX instruction represent (a) Decrement Register (b) Decrement Accumut (c) Declare Register Part (d) Define Register Part	r Pair lator Pair iir
	Page	2 Code No. : 41449 E

13		PART B — (5 × 5 = 25 marks)
d 1	Answ	er ALL questions, choosing either (a) or (b).
11.	(a)	Describe the evolution from Large computers to Single-Chip Microcontrollers. Or
	(b)	Explain about the Data Transfer Operations.
12.	(a)	Explain about the Microprocessor-Initiated Operations and 8085 Bus Organization. Or
	(b)	Explain the Basic Concepts in Memory Interfacing.
13.	(a)	Explain about Arithmetic Operations. Or
	(b)	Explain about Dynamic Debugging.
14.	(a)	Explain about Counter and Time Delay. Or
	(b)	Explain in detail about Stack.
15.	(a)	Convert 72 _{BCD} into its binary equivalent. Or
	(b)	Write a subroutine to subtract one packed BCD number from another BCD number. The minuend is placed in register B, and the subtrahend is placed in register C by the calling program. Return the answer into the accumulator
		Page 3 Code No. : 41449 E



(8 pages) Reg. No. :		The ability to perform without undue fatigue	n daily tasks with vigor an
Code No. : 22739 E Sub. Code : SYOG	3A	(a) Mental Fitness	(b) Social Fitness
	S 1	(c) Physical Fitness	(d) Emotional Fitness
U.G. (CBCS) DEGREE EXAMINATION, NOVEMBER 2018.	5.	The ability to mak situation	ke judgments in a grou
Third Semester		(a) Mental health	(b) Social health
Part IV — YOGA	 11 (30) 	(c) Physical health	(d) Emotional health
(For those who joined in July 2017 onwards) Fime : One and half hours Maximum : 50 m	6.	At present the highes in the country of	t population of youth reside
	larks	(a) China	(b) USA
Answer ALL the questions.	12 1 1 1	(c) India	(d) Australia
Choose the correct answer :	7.	The circulatory system	n consists of
 The study of the structure of body parts is c 	alled	(a) Kidney	(b) Neuron
(a) Cytology (b) Anatomy	1 A 1 A	(c) Heart	(d) Lungs
(c) Histology (d) Physiology	8.	The structural and fu	nctional unit of human bod
2. The study of the function of body parts is c	alled	is	
		(a) Tissue	(b) Cell
(a) Cytology (b) Anatomy	1 1	(c) Organ	(d) System
(c) Histology (d) Physiology	9.	A state of physical we	ll-being is called
3. The urinary system consists of		(a) Mental health	(b) Social health
(a) Kidney (b) Neuron		(c) Physical health	(d) Emotional health
(c) Heart (d) Lungs	1 1 23		ge 2 Code No. : 22739]
	1. 1. 1.	Pa	ge 2 Code No. : 22739 J

			and the second s
10.	Who organized the practice of yoga into an "eight limbed path"?	17.	Cultivat
	(a) Patanjali (b) B.K.S. Iyenkar		Trainin
	(c) Agathiyar (d) Sivananda		(a) Atte
11.	helps to promote physical,		(c) Ski
	mental and spiritual well-being.	18.	Memory
	(a) Exercise (b) Aerobics		human
	(c) Yoga (d) Sports		(a) End
12.	International Day of Yoga celebrate on		(b) Ret
	(a) June 21 (b) April 21		(c) Pas
	(c) July 21 (d) June 12		(d) All
13.	Yoga is the union of	19.	Which t
	(a) Body, Mind and Soul		to direct
	(b) Body, Mind and Prayer		(a) Atte
	(c) Body, Fitness and Stamina		(c) Skil
	(d) None	20.	The free
14.	Attention training also known as		(a) 1-4
	(a) Wisdom (b) Meditation		(c) 8-12
	(c) Asana (d) Pranayama	21.	The fre
15.	Which level of mind holds the control of the basic		(a) 1-4
	functions of the human body?		(c) 8-15
	(a) Subconscious mind (b) Unconscious mind	22.	Alpha w
	(c) Conscious mind (d) None		(a) Awa
16.	The highest frequency of brain waves is called as	- 3	(c) Mer
	(a) Gamma (b) Beta	23.	Beta wa
	(c) Alpha (d) Theta		(a) Awa
2		1.20	(c) Mer
	Page 3 Code No. : 22739 E		

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ganized the practice of yoga into an "eight path"?	17. Cultivating thoughts and thinking processes that support your goals is a
anjali (b) B.K.S. Iyenkar	Training.
athiyar (d) Sivananda	(a) Attention (b) Insight
helps to promote physical,	(c) Skillful actions (d) None
and spiritual well-being.	 Memory is our ability to ———— in the human brain
ercise (b) Aerobics	
ga (d) Sports	(a) Encode and store
tional Day of Yoga celebrate on	(b) Retain and subsequently recall information
ne 21 (b) April 21	(c) Past experiences
y 21 (d) June 12	(d) All of these
the union of	19. Which training develops the mind and its ability
ly, Mind and Soul	to direct attention where you want it to go?
ly, Mind and Prayer	(a) Attention (b) Insight
ly, Fitness and Stamina	(c) Skillful actions (d) None
ne	20. The frequency of beta waves is
on training also known as	(a) 1-4 Hz (b) 4-7 Hz
dom (b) Meditation	(c) 8-12 Hz (d) 12-30 Hz
na (d) Pranayama	21. The frequency of Alpha waves is
level of mind holds the control of the basic	(a) 1-4 Hz (b) 4-7 Hz
ns of the human body?	(c) 8-12 Hz (d) 12-30 Hz
conscious mind (b) Unconscious mind	22. Alpha wave denotes
scious mind (d) None	(a) Awake (b) Relaxed
hest frequency of brain waves is called as	(c) Mental imagery (d) Deep sleep
nma (b) Beta	23. Beta wave denotes
ha (d) Theta	(a) Awake (b) Relaxed
na (u) meta	(c) Mental imagery (d) Deep sleep
Page 3 Code No. : 22739 E	Page 4 Code No. : 22739 E
	[P.T.O.]

1.1

	(a) Sanskrit	(b) Latin
	(c) English	(d) Urdu
25. •	Carta An area and a second and a second	ique is an exercise used to
	(a) Focus	(b) Awareness
	(c) Mental discipline	(d) All of these
26.	Cultural asana also cal	led as
	(a) Meditative asana	(b) Corrective asana
	(c) Relaxative asana	(d) None
27.		thing at the speed o eaths per minute
	(a) 180	(b) 120
	(c) 110	(d) 100
28.	Varksasana looks like a	a Posture
(in the	(a) Lotus	(b) Palm tree
	(c) Locust	(d) Tree
29.	Jnana Yoga means	
	(a) Action	(b) Devotion
	(c) Wisdom	(d) None
30.	Ardha Cakrasana looks	like a ——— Posture
	(a) Lotus	(b) Locust
	(c) Half Wheel	(d) Cobra
31.	Raja yoga also called as	
	(a) Action yoga	(b) Devotion yoga
		(d) Physical yoga

(a) Hare	(b)	0.1.100.1.4
() () [1]	100	Spinal Twist
(c) Crocodile	(d)	Dead body
Pranayama is perform	ned in	
(a) Shavasana	(b)	Makarasana
(c) Padmasana	(d)	Kneeling position
Surya Bhedana is		
(a) Sun cleaving brea	th	- Charles and
(b) Hissing Breath		
(c) Beak tongue brea	th	1
(d) Sound of Bee Brea	ath	
Pranayama is a practi	ice of	
(a) Exhalation	(b)	Inhalation
(c) Both (a) and (b)	(d)	None
Which pranayama hel	ps to p	ourifies blood?
(a) Nadisodhana	(b)	Sitali
(c) Sitkari	(d)	Bhramari
Warming up increases		
(a) Circulation	(b)	Temperature
(c) Muscle tone	(d)	All of these
The term asana is der Asi, Which means?	rived fi	rom the Sanskrit tern
(a) To be	(b)	To sit
(c) Both (a) and (b)	(d)	None
	 (a) Shavasana (c) Padmasana Surya Bhedana is (a) Sun cleaving bread (b) Hissing Breath (c) Beak tongue bread (d) Sound of Bee Bread (e) Beak tongue bread (f) Sound of Bee Bread (g) Sound of Bee Bread (h) Sound of Bee Bread (a) Sound of Bee Bread (b) Sound of Bee Bread (c) Both (a) and (b) (c) Muscle tone (c) Muscle tone The term asana is der (a) To be (c) Both (a) and (b) 	(c)Padmasana(d)Surya Bhedana is(a)Sun cleaving breath(b)Hissing Breath(c)(c)Beak tongue breath(d)Sound of Bee Breath(d)Sound of Bee BreathPranayama is a practice of(a)(a)Exhalation(b)(c)Both (a) and (b)(d)(c)Both (a) and (b)(d)Which pranayama helps to p(a)(a)Nadisodhana(b)(c)Sitkari(d)Warming up increases(d)(a)Circulation(b)(c)Muscle tone(d)The term asana is derived fiAsi, Which means?(a)To be(a)To be(b)



 (c) Mudras (d) Bhandas 40. Which Asana brings stability in the body, helps to clear up congestion of the spinal nerves, and corrects faulty posture? (a) Tadasana (b) Vakrasana (c) Bhujangasana (d) Pada Hastasana (c) Bhujangasana (d) Pada Hastasana (c) Bhujangasana (d) Pada Hastasana (e) Makarasana (f) Salabhas (g) Tadasana (h) Trikonasana (c) Bhujangasana (d) Pada Hastasana (e) Makarasana (f) Salabhas (g) Bhujangasana (h) Trikonasana (h) Ardhaustrasana 43	asana Stretches abdominal improves digestion and helps to relieve		riven below cleanses the entire sage?	39. Which one given respiratory passage?
 40. Which Asana brings stability in the body, helps to clear up congestion of the spinal nerves, and corrects faulty posture? (a) Tadasana (b) Vakrasana (c) Bhujangasana (d) Pada Hastasana (e) Bhujangasana (f) Bhujangasana (g) Bhujangasana (h) Trikonasana (c) Bhujangasana (d) Pada Hastasana (e) Bhujangasana (f) Pada Hastasana (g) Bhujangasana (h) Trikonasana (h) Ardhaustrasana 43	anamutasana (b) Salabhasana	(a)		
 (a) Tadasana (b) Vakrasana (c) Bhujangasana (d) Pada Hastasana (a) Savasana (b) Salabhas (c) Bhujangasana (d) Pada Hastasana (e) Makarasana (f) Pada Hastasana (g) Tadasana (h) Trikonasana (h) Trikonasana (h) Pada Hastasana (h) Trikonasana (h) Pada Hastasana (h) Trikonasana (h) Pada Hastasana (h) Pada Hastasana (h) Pada Hastasana (h) Trikonasana (h) Pada Hastasana (h) Selabhas (h) Salabhas (h) Selabhas (h) Selabhas (h) Selabhasi (h) Reduce stress (h) Burn Cali (h) Makarasana looks like a (h) Hare (h) Selabhasi (h) Pada Hastasana (h) Selabhasi (h) Selabhasi (h) Ardhaustrasana (h) Ardhaustrasana<td>arasana (d) Sethubandhasana asana Helps to relieve all tensions and gives rest to both body and</td><td>46. —</td><td>estion of the spinal nerves, and</td><td>clear up congestion</td>	arasana (d) Sethubandhasana asana Helps to relieve all tensions and gives rest to both body and	46. —	estion of the spinal nerves, and	clear up congestion
 41. Which Asana Prevents flat foot? (a) Tadasana (b) Trikonasana (c) Bhujangasana (d) Pada Hastasana 42. Which asana increases blood circulation to the head and cardiac region? (a) Bhujangasana (b) Trikonasana (c) Bhadrasana (d) Ardhaustrasana 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Sasakasana (c) Vakrasana (d) Ardhaustrasana 44 asana Tones the hip muscles and those in the kidney region. (c) P 	asana (b) Salabhasana	2 11	107750 No. 10750 States and 42	Contraction of the second second second
 (a) Tadasana (b) Trikonasana (c) Bhujangasana (d) Pada Hastasana 42. Which asana increases blood circulation to the head and cardiac region? (a) Bhujangasana (b) Trikonasana (c) Bhadrasana (d) Ardhaustrasana 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Trikonasana (c) Bhadrasana (d) Ardhaustrasana 44 asana Tones the hip muscles and those in the kidney region. 47. How many types in Kapalabhati? (a) 5 (b) 4 (c) 7 (d) 6 48. Meditation is a great way to (a) Reduce stress (b) Burn Cal (c) Develop strength (d) None 49. Makarasana looks like a (a) Hare (b) Spinal Twick (c) Crocodile (d) Dead bod 50. How many types in Pranayama? (a) 7 (b) 8 (c) 9 (d) 6 	arasana (d) Sethubandhasana	(c)		
 (c) Bhujangasana (d) Pada Hastasana 42. Which asana increases blood circulation to the head and cardiac region? (a) Bhujangasana (b) Trikonasana (c) Bhadrasana (d) Ardhaustrasana 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Sasakasana (c) Vakrasana (d) Ardhaustrasana 44 asana Tones the hip muscles and those in the kidney region. 	ny types in Kapalabhati?	47. Ho		
 42. Which asana increases blood circulation to the head and cardiac region? (a) Bhujangasana (b) Trikonasana (c) Bhadrasana (d) Ardhaustrasana 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Sasakasana (c) Vakrasana (d) Ardhaustrasana 44 asana Tones the hip muscles and those in the kidney region. (c) 7 (d) 6 48. Meditation is a great way to (a) Reduce stress (b) Burn Call (b) Spinal Two (c) Crocodile (d) Dead body 50. How many types in Pranayama? (a) 7 (b) 8 (c) 9 (d) 6 	(b) 4	(a)		and the second second second second
head and cardiac region?48.Meditation is a great way to(a) Bhujangasana(b) Trikonasana(a) Reduce stress(b) Burn Cal(c) Bhadrasana(d) Ardhaustrasana(c) Develop strength(d) None43	(d) 6	(c)		man all have been the second
 (c) Bhadrasana (d) Ardhaustrasana 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Sasakasana (d) Ardhaustrasana (b) Sasakasana (d) Ardhaustrasana (c) Crocodile (d) Dead bod (d) Dead	on is a great way to	48. Me		A A A A A A A A A A A A A A A A A A A
 43 asana Stimulates pancreas and helps in the management of diabetes. (a) Bhujangasana (b) Sasakasana (c) Vakrasana (d) Ardhaustrasana 44 asana Tones the hip muscles and those in the kidney region. 49. Makarasana looks like a (a) Hare (b) Spinal Ty (c) Crocodile (d) Dead bod (d) De	ice stress (b) Burn Calories	(a)	ana (b) Trikonasana	(a) Bhujangasana
and helps in the management of diabetes.(a) Hare(b) Spinal Ty(a) Bhujangasana (c) Vakrasana(b) Sasakasana (d) Ardhaustrasana(c) Crocodile(d) Dead bod44	lop strength (d) None	(c)	a (d) Ardhaustrasana	(c) Bhadrasana
(a) Bhujangasana (c) Vakrasana(b) Sasakasana (d) Ardhaustrasana(c) Crocodile(d) Dead bod44	ana looks like a ———— Posture.	49. Ma		
(c) Vakrasana (d) Ardhaustrasana (c) Crocodile (d) Dead bod 44.	e (b) Spinal Twist	(a)		and helps in the man
44 asana Tones the hip muscles and those in the kidney region. 50. How many types in Pranayama? (a) 7 (b) 8 (c) 9 (d) 6	odile (d) Dead body	(c)		
and those in the kidney region. (a) 7 (b) 8	ny types in Pranayama?	50. Ho	(d) Ardnaustrasana	(c) vakrasana
(c) 9 (d) 6	(b) 8	(a)		
	(d) 6	(c)		(a) Bhujangasana
(c) Vakrasana (d) Ardhaustrasana		10, 19	(d) Ardhaustrasana	(c) Vakrasana
Page 7 Code No. : 22739 È Page 8 Code No	Page 8 Code No. : 22739 E		Page 7 Code No. : 22739 È	P

