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G . T . N . ARTS COLLEGE (AUTONOMOUS)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

SUMMATIVE EXAMINATION - APRIL 2018

Class : **I B.C.A.**

Paper Code : **17UCAC21**

Title of the Paper : **OOP With C++**

Date : **30.04.2018**

Time : **10.00 a.m to 01.00 p.m**

Max Marks : **75**

Section – A

[10 X 1 = 10]

[Answer ALL the Questions]

1. A(n) _____ function is a special function that is a member of a class and has the same name as the class.
[a] Inline [b] Constructor
[c] Virtual [d] Friend
2. The _____ operator link a class name with member name.
[a] << [b] >> [c] :: [d] ==
3. _____ is the dynamic allocation operators.
[a] new [b] null
[c] no throw [d] main
4. A constructor can accept a _____ to its own class as a parameter, the constructor is called copy constructor.
[a] Address [b] Parameter
[c] Reference [d] Object

5. Unary operator takes _____ operand.
- [a] Zero [b] One
[c] Two [d] More than one
6. _____ Operator also called the class member access operator.
- [a] Dot [b] Function call
[c] Comma [d] Pointer
7. The mechanism of deriving a new class from an old one is called ____.
- [a] Classes [b] Base class
[c] Inheritance [d] Derived class
8. Which one is the other name of runtime polymorphism _____.
- [a] Early binding [b] Static binding
[c] Late binding [d] Static linking
9. The self function is a member of _____.
- [a] fstream [b] ofstream
[c] istream [d] ios
10. The _____ function that allows you to set all format flags associated with a stream.
- [a] showflags() [b] flags()
[c] showpos() [d] showbase()

Section – B [5 X 7 = 35]
[Answer ALL the Questions]

11. a) Explain the concept of friend function and classes.

[OR]

- b) Write short notes on inline function.

12. a) What is this pointer? How it is declared in a class? Explain.

[OR]

- b) Discuss about references.

- 13.a) Explain function overloading with an example.

[OR]

- b) List out special operators and how it is overloaded in C++. Explain.

14. a) How to pass a parameters to base class constructor? Explain.

[OR]

- b) Explain the virtual base classes.

15. a) Write a note on basic C++ stream classes.

[OR]

- b) How to set and clear the format flags? Explain.

Section – C [3 X 10 = 30]

[Answer Any THREE Questions]

16. Explain in detail about the concept of classes and objects.

17. Illustrate on constructor. Give an example.

18. Write a brief notes on operator overloading with a suitable program.

19. Describe about virtual functions and polymorphism.

20. Explain about the formatted I/O operations.

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SUMMATIVE EXAMINATION - APRIL 2018

Class : **I B.Com(CA)**

Date : **27.04.2018**

Paper Code : **17UCAN21**

Time : **10.00 a.m to 01.00 p.m**

Title of the Paper : **Introduction to HTML**

Max Marks : **75**

Section – A

[10 X 1 = 10]

[Answer ALL the Questions]

1. ____ is a software system that designed to search for information in WWW.
[a] Search Engine [b] Browser
[c] WWW [d] Gopher
2. The private network is also called as _____.
[a] Internet [b] Intranet [c] LAN [d] MAN
3. What is the full form of HTML?
[a] Hyper Text Markup Language
[b] Hyper Teach Markup Language
[c] Hyper Tech Markup Language
[d] None of these
4. To create a hyperlink use the <a> tag with ____ attribute.
[a] href [b] src
[c] alt [d] id

5. The abbreviation for JPG is ____.
- [a] Joint Photographic Experts Group
 [b] Joint Photo Group
 [c] Joint Photographic Group
 [d] Join Photographic Group
6. In graphics, 800 x 600 expressed as image ____ .
- [a] resolution [b] file size
 [c] color depth [d] compression
7. Figure tag is a new tag for _____ of image.
- [a] replacement [b] container
 [c] caption [d] folder
8. To add caption for image use ____ tag.
- [a] caption [b] figcaption
 [c] float [d] heading
9. To define layouts ____ tag is used.
- [a] division [b] layout
 [c] semantic [d] define
10. ____ is used to increment numeric values in forms.
- [a] numeric [b] spin box
 [c] integer [d] increment

Section – B

[5 X 7 = 35]

[Answer ALL the Questions]

11. a) Write on Web Writing Styles

[OR]

- b) Explain about search engines

12. a) How will you apply Bold and Italic formatting? Explain.

[OR]

- b) Describe Creating and Linking to External Style Sheets.

- 13.a) Write a short note on selecting a Graphics Format.

[OR]

- b) How will you insert Graphics on web page? Explain.

14. a) Explain Hyper linking from Graphics.

[OR]

- b) Write the steps to create a Text-based Navigation bar.

15. a) What are the semantic tags available to define layouts? Explain.

[OR]

- b) Write a note on HTML multimedia Basics.

Section – C

[3 X 10 = 30]

[Answer Any THREE Questions]

16. Discuss on computer Viruses.
17. Explain in detail about creation of Bulleted and Numbered Lists.
18. How to control Image size and padding? Explain.
19. Explain with example the creation of simple table.
20. Discuss on creation of a basic form.

7. The control lines are called _____.
- [a] interrupt line [b] optical line
[c] electric line [d] small line
8. _____ bus standards don not simply specify pin connections and line operations.
- [a] interfacing buses [b] standard buses
[c] mapped [d] isolated
9. Micro operation of IC<-0 is control signal name is _____.
- [a] ADD [b] IC
[c] Reset AC [d] Reset IC
10. Each memory location can contain a single _____.
- [a] Instruction cycle [b] Control register
[c] Instruction word [d] Arithmetic operations

Section – B [5 X 7 = 35]
[Answer ALL the Questions]

11. a) Convert 1110 into Decimal Number.
- [OR]**
- b) Subtract 23 from 89 using 10's complement.

12. a) Describe Binary counter with diagram.

[OR]

- b) Explain the purpose of full adder with neat diagram.

- 13.a) Write a note on Random Access Memories.

[OR]

- b) Explain the ROM with it types.

14. a) Explain about Interfacing of Keyboard.

[OR]

- b) Write a Brief note on Interrupts in Input-Output systems.

15. a) How will you control Arithmetic operations? Explain.

[OR]

- b) Write a note on Microprogramming.

Section – C

[3 X 10 = 30]

[Answer Any THREE Questions]

16. Convert

- a) 1011.1111_2 into octal number (5)

- b) AB_{16} into Decimal number (5)

17. Write a detailed note on Master-Slave Flip flop.

18. Explain about Magnetic Disk Memories.

19. How to Interconnect System Components? Explain.

20. Discuss on Instruction cycle and Execution Cycle organization of Control Registers.

Section – C [3 X 10 = 30]
[Answer Any THREE Questions]

16. Briefly explain the various applications of OR.
17. Solve the LPP by using graphical method. Max $z = 5x_1 + 8x_2$ s.t.c.,
 $15x_1 + 10x_2 \leq 180$; $10x_1 + 20x_2 \leq 200$; $15x_1 + 20x_2 \leq 210$; $x_1, x_2 \geq 0$.
18. Using Big – M method, solve the LPP, Max $z = 3x_1 + 2x_2$ s.t.c.,
 $2x_1 + x_2 \leq 2$; $3x_1 + 4x_2 \geq 12$; $x_1, x_2 \geq 0$.
19. Find the optimum solution to the following TP.

21	16	25	13	11
17	18	14	23	13
32	27	18	41	19
6	10	12	15	43

20. Solve the following Assignment problem.

	E	F	G	H
A	18	26	17	11
B	13	28	14	26
C	38	19	18	15
D	19	26	24	10

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SUMMATIVE EXAMINATION - APRIL 2018

Class : **I B.Sc. CS/IT /BCA**

Date: **07.05.2018**

Paper Code : **17UCSA21/17UITA21/17UCAA21** Time: **10.00 a.m to 01.00 p.m**

Title of the Paper : **Operation Research**

Max Marks : **75**

Section – A [10 X 1 = 10]
[Answer ALL the Questions]

- Generally Operations Research is used for _____.
 [a] solution [b] decision making
 [c] variables [d] scientific approach
- The inequations are called the _____ of the general LPP.
 [a] LPP [b] objective function
 [c] constraints [d] limitations
- Decision variables in an OR model are _____.
 [a] controllable [b] constants
 [c] parameters [d] unconrtollable
- An LPP which all its constraints are of the type \leq is said to be in _____.
 [a] standard form [b] constraints
 [c] canonical form [d] objective function
- The sign for optimality in a maximum model is _____.
 [a] $z_j - c_j \leq 0$ for all j [b] $z_j \leq 0$
 [c] $z_j - c_j \geq 0$ for all j [d] $z_j - c_j = 0$

6. The optimal simplex table, $z_j - c_j = 0$ indicates
 [a] feasible solution [b] bounded solution
 [c] unbounded solution [d] cycling solution
7. The solution of the Transportation problem with m-rows and n columns is feasible if the number of positive allocations are _____.
 [a] m + n [b] m x n
 [c] m + n - 1 [d] m + n + 1
8. In a transportation problem, North-West corner rule would yields _____.
 [a] an optimum solution [b] an initial feasible solution
 [c] a minimum cost function [d] maximum cost value
9. If there were N worker, N jobs _____.
 [a] N! [b] (N-1)!
 [c] (N!)N [d] N
10. The method used for solving an Assignment problem is called _____.
 [a] MODI method [b] Hungarian method
 [c] Queering method [d] NWCR

Section – B

[5 X 7 = 35]

[Answer ALL the Questions]

11. a) Explain the main characteristics that are good for OR.
[OR]
 b) Explain the scientific methods in OR.
12. a) Use graphical method to solve the LPP.
 Max $z = 2x_1 + 4x_2$ s.t.c., $x_1 + 2x_2 \leq 5$; $x_1 + x_2 \leq 4$; $x_1, x_2 \geq 0$.
[OR]
 b) Find all the basic solutions to the following equations.
 $x_1 + x_2 + 2x_3 = 4$; $2x_1 - x_2 + x_3 = 2$

13. a) Use simplex method to solve the LPP. Max $z = 4x_1 + 10x_2$ s.t.c.,
 $2x_1 + x_2 \leq 50$; $2x_1 + 5x_2 \leq 100$; $2x_1 + 3x_2 \leq 90$ and $x_1, x_2 \geq 0$;

[OR]

- b) Briefly explain Big - M method procedure for LPP.

14. a) Solve the following transportation problem by VAM.

	To			
	6	8	4	14
From	4	9	8	12
	1	2	6	5
	6	10	15	

[OR]

- b) Find an IBFS for the Transportation problem by NWCR

	11	13	17	17	250
	16	18	14	10	300
	21	24	13	10	400
	200	225	275	250	

15. a) Define an Assignment problem. Write down the mathematical formulation of the Assignment problem.

[OR]

- b) Solve the following Assignment problem.

	A	B	C	D
1	1	4	6	3
2	9	7	10	9
3	4	5	11	7
4	8	7	8	5

Section – C [3 X 10 = 30]
[Answer Any THREE Questions]

16. Describe Tom’s attempts to stay at home bringing out the humour in the extract ‘Monday Morning’
17. Attempt a critical appreciation of Frost’s “Stopping by the woods on a Snowy Evening”.
18. How does WoleSoyinka portray the social custom of the Yoruba tribe?
19. a) **Change Active voice into Passive voice:**
1. The train takes the passengers from one place to another place.
 2. The Noble Prize foundation gave Rabindranath Tagore the Noble Prize.
 3. The candidate sent the application to the Anna University.
 4. The DEO called the head master.
 5. They sent an invitation to Sugumar.
- b) **Change Passive voice into Active voice:**
6. Our college was being white washed by our management.
 7. A lot of vegetables are taken by the vegetarians with their food.
 8. We have been asked by our teacher to clean our classroom.
 9. The tiger was chased by the lion for a long time yesterday.
 10. A letter would have been written by Rama.
20. What is the difference between Soft News and Hard News?

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SUMMATIVE EXAMINATION - APRIL 2018

Class : **I B.A. / B.Com. /B.Sc.**

Date : **25.04.2018**

Paper Code : **17UENL21**

Time : **10.00 a.m to 01.00 p.m**

Title of the Paper : **English for Enrichment II** Max Marks : **75**

Section – A [10 X 1 = 10]
[Answer ALL the Questions]

1. ‘The darkness descended’ referred to by Nehru is _____.
- [a] The departure of the British
[b] The violence after the partition of India and Pakistan
[c] The ignorance of the common people
[d] The death of Gandhi
2. Bernard Shaw had his first success as a speaker when he spoke about ____.
- [a] Darwin [b] Mill [c] Art [d] Socialism
3. Why does the horse shake the bells?
- [a] To show that he is hungry [b] He wants to lie down
[c] He is confused [d] He is angry
4. The lover offers his lady as gift _____.
- [a] His property [b] His soul
[c] His love [d] His good will

5. The doctor told the prince that he will live only for _____.
 [a] Six days [b] Six weeks
 [c] A year [d] The next day
6. When the play opens the cook is waiting for _____.
 [a] Robin Hood [b] The Steward
 [c] The Sheriff [d] Little John
7. The movie _____ before I reached the theatre.
 [a] Begins [b] Began [c] Will begin [d] Had begun
8. Let us play chess this evening, _____.
 [a] Do we? [b] Don't we?
 [c] Shall we? [d] Can't we?
9. The term dialogue refers to _____ conversation between two or more people.
 [a] Written [b] Visual [c] Verbal [d] Audio
10. Hard news is otherwise called as _____.
 [a] Breaking news [b] Good news
 [c] Bad news [d] Top news

Section – B [5 X 7 = 35]
[Answer ALL the Questions]

11. a) How does Nehru narrate the problems faced by India immediately after gaining freedom ?
 [OR]
 b) What shows that the grandmother loved the author even after he went to university?

12. a) What does Emily Dickinson recall during the journey ?
 [OR]
 b) Give a list of things Rupert Brooke loved.
13. a) Why did Chitra refuse to accept the proposal of Arjun?
 [OR]
 b) How did prince lay the trap to destroy his would be killers?
14. a) Fill in which the correct Simple Present Tense form of the verbal:
 1. The children usually _____ (play) in the garden.
 2. Everything in Earth _____ (make) of matter.
 3. The mischievous boy _____ (break) my glasses.
 4. Raju _____ (be) my best friend since childhood days.
 5. This _____ (be) the chemistry laboratory.
 6. He goes to London next week. So he _____ (pack) everything by Sunday.
 7. Our family members _____ (go) to the cinema tonight.
- [OR]**
- b) Write the correct question tags for the following:
 1. Sudha goes to temple every day, _____?
 2. Seeta is not going to write her examinations, _____?
 3. The boys played cricket in the ground, _____?
 4. The researchers was not going to submit his thesis, _____?
 5. Let's find a room first, _____?
 6. Rani never came to my house, _____?
 7. We can't meet this evening to discuss this matter, _____?

15. a) Expansion of proverb: Failure is the stepping stone for success.
 [OR]
 b) Write a dialogue between yourself and the merchant of a vegetable shop in your native place.

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SUMMATIVE EXAMINATION - APRIL 2018

Class : **I B.A./ B.C.A.**

Date : **27.04.2018**

Paper Code : **17UHMN21**

Time : **10.00 a.m to 01.00 p.m**

Title of the Paper : **BASIC ROOM DIVISION** Max Marks : **75**

OPERATIONS

Section – A

[10 X 1 = 10]

[Answer ALL the Questions]

1. The first Inns go back to _____ century B.C.
[a] 2000 B.C [b] 3000 B.C
[c] 4000 B.C [d] 5000 B.C
2. Public houses in early times in England were called_____.
[a] Taverns [b] hostels
[c] inns [d] hotels
3. The front office cashier normally gets to know of a guest intention for check out form_____.
[a] bell desk [b] reservation assistant
[c] telephone operator [d] all the above
4. Front office staff must know the following information on the city _____.
[a] church timing [b] city tour facilities
[c] locations of shopping centers [d] all the above

5. Booking rooms that are beyond the hotel room capacity person is called
- [a] over booking [b] room blocking
[c] room occupancy [d] all the above
6. Charge for the room only is _____ plan.
- [a] AP plan [b] EP plan
[c] MAP plan [d] all the above
7. _____ should preferably be adjoining the laundry.
- [a] Linen room [b] Tailor Room
[c] Uniform Room [d] Desk Control Room
8. DND card refers to _____.
- [a] Do not Disturb [b] Do not Dilute
[c] Do not Desk [d] All the above
9. OPL stands for _____.
- [a] Off Premises Laundry [b] On Premises Laundry
[c] Open Personal Laundry [d] Odd Premises Laundry
10. GRA means _____.
- [a] Guest Room Arrival [b] Guest Room Attendant
[c] Guest Room Allotment [d] Guest Room

Section – B

[5 X 7 = 35]

[Answer ALL the Questions]

11. a) Draw a layout of front office department.
- [OR]**
- b) What are the duties and responsibilities of front office manager?

12. a) Explain the methods of guest settlements.
[OR]
b) What are the types of guest folios.
13. a) Write a short note on Forecasting.
[OR]
b) Explain the duties of night auditor.
14. a) List out any 10 guest amenities placed in room.
[OR]
b) What are the types of room?
15. a) Explain the procedures of cleaning of public area.
[OR]
b) Define Pest. What are the types of pest?
- Section – C** **[3 X 10 = 30]**
- [Answer Any THREE Questions]**
16. Define Reservation. Explain the mode of reservation.
17. List out the documents used in front office department.
18. Explain the procedures of check-out and settlements.
19. List out any five cleaning agents and equipment used in housekeeping department. Explain.
20. Draw a layout of laundry. Explain.

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SUMMATIVE EXAMINATION – APRIL, 2018

Class : I Year B.A. / B.Sc.

Date : 23.04.2018

Paper Code : 17UTAL21

Time : 10.00 am to 1.00 pm

Title of the Paper : ,ilf;fhy ,yf;fpaKk;> GjpdKk;; Max Marks : 75

gFjp – m

[10 X 1 = 10]

[rhpahd tpiliaj; Njh;e;njLj;njOJf]

1. jpUthrfj;jpy; ckf;Fg; ghlkhf mike;Js;s gFjp vJ?

[m] jpUr;rhoy;

[M] jpUr;rjfk;;

[.] jpUntz;gh

[<] jpUtk;khid

2. “rhjpNgjk; XJfpd;w jd;ik vd;d jd;ikNah”? - ahh; \$w;W?

[m] jpU%yh;

[M] jhAkhDth;;

[.] rptthf;fpahh;

[<] Mz;lhs;

3. “ghNte;Nj eP nghpa ghh;Nte;jh;’ – vdj; jkpo;tpLJ}J ahiuf; Fwpg;gpLfpwJ?

[m] tlnkhop

[M] fd;dlk;;

[.] jkpo;nkhop

[<] kiyahsk;;

4. gokiwapd; FUj;njd kPdhl;rpak;ikia miog;gJ ahh;?

[m] n[aq;nfhz;lhh;

[M] FkuFUguh;

[.] jhAkhDth;

[<] rptthf;fpahh;

5. G+h;tPf G+kp Mrphpah; ahh;?

[m] #h;afhe;jd;;

[M] n[afhe;jd;

[.] fy;fp

[<] ghh;;jrhujp

6. fh;ehlfhtpy; fytuk; %z;l;w;fhd fhuzk; vd;d?

[m] nkhopg;gpur;rid [M] fhtphpePh;g; gpur;rid

[.] njhopw;Nghl;b [<] tptrhag; Gul;rp

7. ,uz;lhk; Ntw;Wik cUG vJ?

[m] l [M] My;

[.] F [<] ,d;

8. mq;F tUtJ gRNth? fhisNah? vdf; Nfl;gJ vt;tif tpdh?

[m] nfhil tpdh [M] nfhsy; tpdh

[.] la tpdh [<] Vty; tpdh

9. rpwpajpUkly;> nghpajpUkly; ghbath; ahh;?

[m] nghpaho;thh; [M] ek;kho;thh;

[.] jpUkq;ifaho;thh; [<] jpUg;ghzho;thh;;

10. fyk;gfk; vj;jid cWg;Gf;fisf; nfhz;lJ?

[m] 12 [M] 16

[.] 18 [<] 20

gFjp – M [5 X 7 = 35]
[midj;J tpdhf;fSf;Fk; tpilasp]

11. m) jpUQhdrk;ge;jhpd; ekr;rpthaj; jpUg;gjpff; fUj;Jf;fis tpsf;Ff.

(my;yJ)

M) jpUkhy; gw;wpa jpUkq;ifaho;thhpd; gf;jpr; rpwg;igg; Gyg;gLj;Jf.

12. m) fypq;fj;Jg;guzp \$Wk; ghy epyf;nfhLikia vLj;Jiuf;f.

(my;yJ)

M) Kf;\$lw;gs;S fhl;Lk; gs;spahpd; Vry; nkhopfis vLj;jpak;Gf.

13. m) G+h;tPf G+kp ehtypy; godpag;gd; fjhghj;jpug; gz;gpil tpsf;Ff.

(my;yJ)

M) G+h;tPf G+kp ehtypd; fijg;Nghf;fpidg; Gyg;gLj;Jf.

14. m) ngah;r;nrhy;ypd; tpsf;fk; \$wp tiffis tpsf;Ff.

(my;yJ)

M) vz;tif tpilfis; rhd;Wld; tpsf;Ff.

15. m) irtj; jpUKiwfis tpsf;Ff.

(my;yJ)

M) rpw;wpyf;fpaq;fSs; VNjDk; le;jpid vLj;Jiuf;f.

gFjp – , [3 X 10 = 30]
[vitNaDk; %d;wDf;F tpilasp]

16. ehr;rpahh; jpUnkhop fhl;Lk; Mz;lhspd; jpUkzf; fdtpid tpthp.

17. Fw;whyf; FwtQ;rpapd; top ehl;L tsj;jpid tpthpf;f.

18. G+h;tPf G+kp ehtypd; fjhg;ghj;jpuq;fs; gw;wpj; njhFj;Jiuf;f.

19. njhifepiyj; njhlh;fspd; tiffis; rhd;Wld; epWTf.

20. Gjpdj;jpd; Njhw;wKk; tsh;r;rpAk; Fwpj;Jf; fl;Liuf;f.

