**èEE ÜPMò™ ñ£FK ªêŒº¬ø Mù£ˆî£œ- 2017-18**

**Second Year**

**SET – 1**

**Section – A**

1. W«ö ªè£´‚èŠð†ì à¬ó¬ò àœk´ ªêŒ¶ Üî¡ H¡ M¬êŠðô¬è ñŸÁ‹ ²†ªìLJ¡ àîMò£™ ªõ†´î™ ïèªô´ˆî™ ñŸÁ‹ æ†´î™ «ð£¡øõŸ¬ø ªêŒî™ «ñ½‹ Search & Replace  à¬óò£ì™ ªð†®¬ò ðò¡ð´ˆF Heaven  â¡ø ªê£™¬ô God  â¡ø ªê£™ô£è ñ£ŸÁî™

 Heaven from all creatures hided the book of fate

All but the page prescribe the present state

A hero perishes or a sparrow fall.

(or)

1. å¼ õ£óˆF™ õ¼‹ â™ô£ ï£†è¬÷»‹ îQˆîQ C™½è÷£è Gè›ˆF»‹ õK¬êŠð´ˆF»‹ è£†è. ÞîŸ° «î¬õò£ù ðìˆ¬î»‹ æO¬ò»‹ «ê˜ˆ¶ è£†´è.

**Section – B**

1. N  õ¬ó»œ÷ ç¬ð«ð£ù£C ªî£ì¬ó‚ è‡ìPò C++ Gó™ å¡Á â¿¶è

(or)

2. W›è£µ‹ ªõOf†¬ì Ü„Cì C++ Gó™ å¡Á â¿¶è.

C

CO

COM

COMP

COMPU

COMPUT

COMPUTE

COMPUTER

**SET – 2**

**Section – A**

1.ï£¡° õKè¬÷ ªè£‡ì å¼ õK¬ò àœk´ ªêŒ¶. ð‚èˆF¡ æóƒè¬÷ 1/2 Üƒ°ô‹ ÜFèKˆ¶‹ °¬øˆ¶‹ è£†´è. ÞÁFò£è ð‚è Ü¬ñ¬õ ñ£ŸP î¬ôŠ¹ ñŸÁ‹ Ü®‚°PŠ¹è¬÷ Þ´è.

(or)

2. ð®õƒè¬÷ ðò¡ð´ˆF å¼ Gè›ˆ¶î¬ô à¼õ£‚°î™ vì£˜ ÝHv ªêò™ð£´è¬÷ °Pf´î¬ô (BULLETS)  ðò¡ð´ˆF C™½¬õ àÁõ£‚°.

**Section – B**

1. å¼ ªêòŸÃK™ ªè£´‚èŠð†ì â‡E¡ ªî£ì˜ªð¼‚è¬ô è‡ìPò C++ Gó™ å¡Á â¿¶è.

(or)

1. ñó¹KñˆF™ õ¼‹ Þó‡´ â‡èO¡ Ã†´ˆªî£¬è ñŸÁ‹ èNˆî¬ô è‡ìPò C++ Gó™ å¡Á â¿¶è.

|  |  |  |
| --- | --- | --- |
|  | Add | Subtract |
| Public | add ( ), accept( ), plus( ) | Subtract( ), minus( ) |
| Private | sum( ) | sub( ) |
| Protected | num1, num2 |  |

**SET – 3**

**Section – A**

1. ä‰¶ ñ£íõ˜èO¡ ªðò˜ ñŸÁ‹ Üõ˜èœ Í¡Á ð£ìƒèO™ ªðŸø ñFŠªð‡èœ ÝAòõŸ¬ø ªè£‡ì å¼ Ü†ìõ¬í¬ò îò£˜ ªêŒè. ÜF™ «ñ½‹ Þó‡´ ñ£íõ˜èO¡ ªðò˜ ñŸÁ‹ ñFŠªð‡è¬÷ àœOì¾‹. Ü†ìõ¬í õ®õ¬ñŠ¹ è¼MŠð†¬ì¬ò ðò¡ð´ˆF â™¬ôèœ, «è£´èœ H¡¹ô õ‡í‹ «ð£¡øõŸ¬ø ñ£ŸÁè.

(or)

1. àñ¶ ðœO¬ò ðŸPò Mõóƒè¬÷ ä‰¶ C™½‚èœ õ£Jô£è ªõOð´ˆ¶è C™½M¡ H¡ùQ¬ò»‹ Üî¡ õ¼‹ â¿ˆF¡ õ®õˆ¬î ñ£ŸP è£†´è.

**Section – B**

1. Switch  ÃŸ¬ø ðò¡ð´ˆF ªè£´‚èŠð†ì å¼ â‡¬í â¿ˆ¶ õ®õñ£‚è C++ Gó™ å¡Á â¿¶è.

(or)

1. W«ö àœ÷ ðEè¬÷ G¬ó«õŸø ªêòŸÃÁ ðEI°Š¹ ðò¡ð´ˆ¶‹ C++ Gó™ å¡Á â¿¶è.

Ü. Þó‡´ º¿ â‡èO™ ªðKò â‡¬í è‡ìPò¾‹.

 Ý. Í¡Á º¿ â‡èO™ ªðKò â‡¬í è‡ìPò¾‹.

**SET – 4**

**Section – A**

1. Ü. ä‰¶ ñ£íõ˜èO¡ ªðò˜ ñŸÁ‹ Üõ˜èO¡ Í¡Á ð£ìƒèO¡ ñFŠªð‡è¬÷ ªè£‡ì å¼ Ü†ìõ¬í„ ªêòL à¼õ£‚°è.

 Ý. ñ£íõK¡ ñFŠªð‡ êó£êK ñŸÁ‹ ð£ìõ£K êó£êK «ð£¡øõŸ¬ø Fill  è†ì¬÷¬ò

 ªè£‡´ è‡‚A´è.

(or)

1. 1.ðF¾ â‡ 2.ªðò˜ 3.îI› 4.ÝƒAô‹ 5.èEî‹ 6.ÜPMò™ 7.êÍè ÜPMò™ 8.ªñ£ˆî‹ 9. Êêó£êK ñFŠªð‡.

ÝAò ¹ôƒ¬÷ àœ÷ì‚Aò ñ£íõ˜ îó¾ˆ î÷ˆ¬î à¼õ£‚°è. Hø° «ñ½‹  Þó‡´ ¹Fò ¹ôƒè¬÷ («î˜¾ º®¾ ñŸÁ‹ °PŠ¹¬ó) «ê˜‚è¾‹. ÞÁFò£è ñ£íõ˜ îó¾ˆî÷ˆ¬î ã«îÂ‹ å¼ ¹ôˆ¬î Ü®Šð¬ìò£è ªè£‡´ õK¬êŠð´ˆ¶è.

**Section – B**

1. C++™ å¼ êóˆF™ ªè£´‚èŠð†ì à¬ó¬ò î¬ôWö£è¾‹, î¬ôWö£è ñ£ŸøŠð†ì à¬ó»‹ å«óñ£FK Þ¼ŠH¡ The Reversed String is Palindrome  â¡Á‹ Þ™¬ô«ò™ The Reversed String is Not a Palindrome  â¡Á ªõOJì¾‹.

(or)

1. W›‚è£µ‹ õ¬óòÁŠ¹èÀì¡ Employee  â¡Â‹ å˜ Þ÷‚°¿¬õ õ¬óòÁ‚è¾‹.

Employee -  Þù‚°¿M¡ Private  àÁŠ¹èœ.

Empno -  º¿ â‡.

Ename -  Þ¼ð¶ â¿ˆ¶èœ

Basic – float

Netpay, hra, da – float

Calculate( )= basic +da + hra  â¡ð¬î è‡‚W†´ å¼ float  ÞùñFŠ¬ð F¼ŠH ÜÂŠ¹‹ ªêòŸÃÁ.

Employee  Þù‚°¿M¡ Public  àÁŠ¹ ªêòŸÃÁèœ.

havedata( ) – empno, ename, basic, hra, da  ÝAò ñFŠ¹è¬÷ àœkì£è ªðŸÁ calculate( )  ªêòŸÃP¬ù Ü¬öˆ¶ Netpay  ä‚ èí‚Aì ªêŒ»‹ ªêòŸ ÃÁ.

dispdata( ) -  îó¾ àÁŠ¹èœ Ü¬ùˆ¬î»‹ F¬óJ™ è£†´‹ ªêòŸ ÃÁ.

**SET – 7**

**Section – A**

1. W«ö ªè£´‚èŠð†ì à¬ó¬ò àœk´ ªêŒ¶ Üî¡ H¡ M¬êŠðô¬è ñŸÁ‹ ²†ªìLJ¡ àîMò£™ ªõ†´î™ ïèªô´ˆî™ ñŸÁ‹ æ†´î™ «ð£¡øõŸ¬ø ªêŒî™ «ñ½‹ Search & Replace  à¬óò£ì™ ªð†®¬ò ðò¡ð´ˆF Heaven  â¡ø ªê£™¬ô God  â¡ø ªê£™ô£è ñ£ŸÁî™

 Heaven from all creatures hided the book of fate

All but the page prescribe the present state

A hero perishes or a sparrow fall.

(or)

1. W›è‡ì ªî£ì˜è¬÷ Ü†ìõ¬í„ ªêòLJ¡ àîM»ì¡ à¼õ£‚è¾‹.

Ü. 3/5/00, 3/12/00, 3/19/00,……………….. 5/28/00

Ý. 16,32,64,………2048.

Þ. 33,30,………..3

**Section –B**

1. N  õ¬ó»œ÷ ç¬ð«ð£ù£C ªî£ì¬ó‚ è‡ìPò C++ Gó™ å¡Á â¿¶è

(or)

1. A(3)(3)  ÜE‚«è£¬õ¬ò ñ£ŸÁ ÜE‚«è£¬õò£è ñ£Ÿø C++ Gó™ å¡Á â¿¶è.

**SET – 8**

**Section – A**

1.ï£¡° õKè¬÷ ªè£‡ì å¼ õK¬ò àœk´ ªêŒ¶. ð‚èˆF¡ æóƒè¬÷ 1/2 Üƒ°ô‹ ÜFèKˆ¶‹ °¬øˆ¶‹ è£†´è. ÞÁFò£è ð‚è Ü¬ñ¬õ ñ£ŸP î¬ôŠ¹ ñŸÁ‹ Ü®‚°PŠ¹è¬÷

 Þ´è.

(or)

2. ðˆ¶ ñ£íõ˜èO¡ ªðò˜, õò¶, ð£Lù‹ «ð£¡ø îèõ¬ô «î‚A ¬õ‚è ðò¡ð´‹ å¼ îó¾ˆî÷‹ æ¡¬ø îò£˜ ªêŒ¶ ÜFL¼‰¶ 18 õòFŸ° «ñŸð†ì ñ£íõ˜èO¡ Mðóƒè¬÷ õ®è†ì™ º¬ø¬ò ðò¡ð´ˆF ªêŒè

**Section –B**

1. å¼ ªêòŸÃK™ ªè£´‚èŠð†ì â‡E¡ ªî£ì˜ªð¼‚è¬ô è‡ìPò C++ Gó™ å¡Á â¿¶è.

(or)

1. Matrix A(3)(3), Matrix B(3)(3)  ÝAò Þ¼ ÜE‚«è£¬õèÀ‚° ñFŠ¹è¬÷ àœkì£è ªðÁè. Þó‡´ ÜE‚«è£¬õè¬÷»‹ Ã†® sum\_matrix(3)(3)  â¡Â‹ ÜE‚«è£¬õJ™ GÁˆF Üî¡ àœ÷ì‚èˆ¬î ªõOJ´è.

**SET – 9**

**Section – A**

1. ä‰¶ ñ£íõ˜èO¡ ªðò˜ ñŸÁ‹ Üõ˜èœ Í¡Á ð£ìƒèO™ ªðŸø ñFŠªð‡èœ ÝAòõŸ¬ø ªè£‡ì å¼ Ü†ìõ¬í¬ò îò£˜ ªêŒè. ÜF™ «ñ½‹ Þó‡´ ñ£íõ˜èO¡ ªðò˜ ñŸÁ‹ ñFŠªð‡è¬÷ àœOì¾‹. Ü†ìõ¬í õ®õ¬ñŠ¹ è¼MŠð†¬ì¬ò ðò¡ð´ˆF â™¬ôèœ, «è£´èœ H¡¹ô õ‡í‹ «ð£¡øõŸ¬ø ñ£ŸÁè.

(or)

1. 1.ðF¾ â‡ 2.ªðò˜ 3.îI› 4.ÝƒAô‹ 5.èEî‹ 6.ÜPMò™ 7.êÍè ÜPMò™ 8.ªñ£ˆî‹ 9. Êêó£êK ñFŠªð‡.

ÝAò ¹ôƒ¬÷ àœ÷ì‚Aò ñ£íõ˜ îó¾ˆ î÷ˆ¬î à¼õ£‚°è. Hø° «ñ½‹ ñ£íõ˜èO¡ ñFŠªð‡è¬÷ W«ö è‡ì MFº¬øèÀ‚° à†ð†´ è£‡H‚è àî¾‹ å¼ ð®õ‹ îò£˜ ªêŒè

|  |  |
| --- | --- |
| Average Range | Grade |
| 85-100 | H |
| 75-85 | A+ |
| 55-65 | A |
| 50-55 | B |
| 45-50 | C+ |
| 40-45 | C |
| <40 | F |

**Section –B**

1. Switch  ÃŸ¬ø ðò¡ð´ˆF ªè£´‚èŠð†ì å¼ â‡¬í â¿ˆ¶ õ®õñ£‚è C++ Gó™ å¡Á â¿¶è.

(or)

1. æ¼ ªêòŸÃP™ ªè£´‚èŠð†ì â‡ ðè£ â‡í£ Þ™¬ôò£ â¡Á è‡ìPò C++ Gó™ å¡Á â¿¶è.

**COMPUTER SCIENCE MODEL PRACTICAL EXAMINATION -2017-18**

**Second Year**

**SET -1**

**PART-A STAR OFFICE**

1. Enter the Given Text

Heaven from all creatures hides the book of fate

All but page prescribe the present state

A hero perishes or a sparrow fall.

Apply the following the commands to the text given above.

a) Cut, Copy paste using mouse and keyboard shortcut keys.

b) Find “Heaven” and Replace with “God”

c) Change the font style and color

d) Align the first line by left, right,center and justify alignment

e) Correct typographical mistake using autocorrect option.

**(or)**

2. Create a presentation to display the days of a week in individual slides and sort them. Insert appropriate pictures and sound.

**Part B- C++**

1. Write a C++ Program to generate the fibonacci series for n terms.

(or)

2. Write a C++ to get the following output

C

CO

COM

COMP

COMPU

COMPUT

COMPUTE

COMPUTER

**SET -2**

**PART-A STAR OFFICE**

1. Create a text with four lines. To the text increase or decrease the margin by ½ inch. Change to Original setting using ruler option. Change the page orientation. Insert Topic name as Header and Page number as footer.

**(or)**

2. Create a Presentation using templates and display the function of star office using bullets in the created slides.

**PART-B C++**

1. Write a C++ program to using Function to find the factorial of a given

number.

 **(or)**

2. Write a C++ program to find the sum and difference of two numbers

using inheritance.

**SET -3**

**PART-A STAR OFFICE**

1. Create a table and enter the names of five students and the mark in three subjects. Change the borders, line style and background color of table. Add two more names and marks respectively.

**(or)**

2. Create a Presentation with five slides describing your school. Change the background and font.

**PART-B C++**

1. Write a C++ Program to using SWITCH CASE structure to display the given number in words. ( Enter number between 1 and 9)

**(or)**

2. Write a C++ Program that uses function overloading to do the following tasks.

a) Find the maximum of two numbers (integers)

b) Find the maximum of three numbers (integers)

**SET -4**

**PART-A STAR OFFICE**

1. a. Create a worksheet to enter the names and marks of five students in three subjects.

 b. Find the class average for one subjects and copy using fill to the other.

**(or)**

2. Create a students mark list database file with the following fields.

1. Reg.No 2. Name 3. Tamil 4. English 5.Maths. 6. Science 7.Social 8.Total 9.Average.

Then add two new text fields called Result and Comment.

according to the scheme given below.

Average Range Grade

85-100 H

75-85 A+

55-65 A

50-55 B

45-50 C+

40-45 C

<40 F

**PART-B C++**

1. Write a c++ prorgram to check whether the given string is PALINDROM or NOT.

**(or)**

2. Write a C++ Program to define a class employee with following specification.

**Private member of class employee.**

Empno - Integer.

Ename - 20 Character

Basic - Float

NetPay, hra,da - Float

Calculate() – A Function to find the basic+da+hra with float return type

**Public member function**

havedata()- A function to accept values for empno,ename,basic, hra,da

calculate() - to compute netpay

dispdata() - A function to display all the data member on the screen.

**SET -7**

**PART-A STAR OFFICE**

1. Enter the Given Text

Heaven from all creatures hides the book of fate

All but page prescribe the present state

A hero perishes or a sparrow fall.

Apply the following the commands to the text given above.

f) Cut, Copy paste using mouse and keyboard shortcut keys.

g) Find “Heaven” and Replace with “God”

h) Change the font style and color

i) Align the first line by left, right,center and justify alignment

j) Correct typographical mistake using autocorrect option.

(or)

2. Generate the following series using Star Calc

a. 3/5/00, 3/12/00, 3/19/00.... 5/28/00

b. 16,32,64,.................2048

c. 33,30,.........3

**PART-B C++**

1. Write a C++ Program to generate the fibonacci series for n terms.

(or)

2. Write a C++ Program to transpose a 3 x 3 matrix.

**SET -8**

 **PART-A STAR OFFICE**

1. Create a text with four lines. To the text increase or decrease the margin by ½ inch. Change to Original setting using ruler option. Change the page orientation. Insert Topic name as Header and Page number as footer.

(or)

2. Create Table to store name, age and sex of 10 Students. Using filter the names of the students ages 18 and above.

**PART-B C++**

1. Write a C++ program to using Function to find the factorial of a given number.

(or)

2. Write a C++ program to find the sum and difference of two numbers using inheritance.

**SET -9**

**PART-A STAR OFFICE**

1. Create a table and enter the names of five students and the mark in three subjects. Change the borders, line style ans background color of table. Add two more names and marks respectively.

**(or)**

2. Create a students mark list database file with the following fields.

1. Reg.No 2. Name 3. Tamil 4. English 5.Maths. 6. Science 7.Social 8.Total 9.Average.

 Then add two new text fields called Result and Comment according to the scheme given below.

Average Range Grade

85-100 H

75-85 A+

55-65 A

50-55 B

45-50 C+

40-45 C

<40 F

**PART-B C++**

1. Write a C++ Program to using SWITCH CASE structure to display the given number in words.

( Enter number between 1 and 9)

**(or)**

2. Write a C++ Program using function to determine whether the given number is Prime.