Sapthagiri College of Engineering
(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

Phone:080-28372800/1/2   www.sapthagiri.ecu.in   Fax: 080-28372797

SAPTHAGIRI
College of Engineering
Creating Tomorrow

From,

    Convenor
    STUTI(Career Guidance and Placement Cell)
    Sapthagiri College of Engineering
    Bangalore - 560057.

Through

    IQAC COORDINATOR
    Sapthagiri College of Engineering
    Bangalore - 560057.

To,

    THE PRINCIPAL
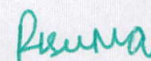   Sapthagiri College of Engineering
    Bangalore - 560057.

Respected Sir,

    Subject: Requisition to conduct training on Career counselling, soft skill development and Personnel counselling for 3rd & 5th semester students from 31st July 2017 to 5th August 2017.
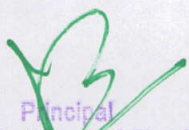
    In the benefit of student welfare STUTI is Conducting training on Career counselling, soft skill development and Personnel counselling for 3rd & 5th semester students from 31st July 2017 to 5th August 2017. So we request you to kindly approve for the above.

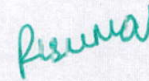| Sl.No.	Particular/Head	Amount in Rupees
1	Honorarium	1,58,400/-
2	Breakfast, Tea, Lunch, High Tea	25,000/-
3	Certificates	10,000/-
4	Miscellaneous	1000/-
	Total Amount Allocated in rupees	**1,94,400/-**

Thanking you

                                        Convenor

Principal
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Bengaluru - 560 057

STUTI
NOTICE

It is hereby informed that the STUTI team of Sapthagiri College of engineering is organizing Career counselling, soft skill development and Personnel counselling for 3rd and 5th semester students from 31st July 2017 to 5th August 2017. So all the students are requested to register their names to department STUTI coordinator.

CONVENER

SUMA VISHWANATH
Group Head HRD
Sapthagiri College of Engineering
Sapthagiri Institute of Medical
Sciences & Research Centre

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

10/07/2017

STUTI
MINUTES OF MEETING

The meeting was held by GROUP HEAD OF HRD on 10/07/2017 at 1:30PM in Principal cubical.

Agenda of the meeting:

To conduct Career counselling, soft skill development and Personnel counseling from 31st July 2017 to 5th August 2017 for 3rd and 5th semester students.

1. Discussed about resource person, conduction date (31/7/2017 to 5/8/2017) and decided Resource person from ladder consultancy service pvt ltd.

2. Discussed about Course content and finalized. Course Schedule and Contents are as shown in the table

3. Informed STUTI team to coordinate with ladder consultancy service pvt ltd to conduct training smoothly.

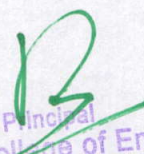| DATES	SESSION 1 (8:30AM TO 12:30AM)	SESSION 2 (1:30 TO 4:30PM)
31/07/2017	• Importance of Soft Skill • Innovative Thinking • Communication	• Problem Management and Time Management • Stress and Emotional Management
01/08/2017	• Leadership and Team Building • Career Planning and Job Opportunities	• Verbal and Nonverbal Communication • Negotiation
2/08/2017	• Diplomacy	• Empathy
3/08/2017	• Friendliness and Humor	• Patience and Public Speaking
4/08/2017	• Sensitivity & Tolerance	• Positive Reinforcement

SUMA VISHWANATH

HRD

Sapthagiri College of Engineering
Sapthagiri Institute of Medical
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5/08/2017	• Group Discussion	• Group Discussion

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Principal
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PRINCIPAL

STUTI
NOTICE

This to inform to all 3rd and 5th semester students that the Schedule of Career counselling, soft skill development and Personnel counsellingis as follows.

DATES	SESSION 1 (8:30AM TO 12:30AM)	SESSION 2 (1:30 TO 4:30PM)
31/07/2017	• Importance of Soft Skill • Innovative Thinking • Communication	• Problem Management and Time Management • Stress and Emotional Management
01/08/2017	• Leadership and Team Building • Career Planning and Job Opportunities	• Verbal and Nonverbal Communication • Negotiation
2/08/2017	• Diplomacy	• Empathy
3/08/2017	• Friendliness and Humor	• Patience and Public Speaking
4/08/2017	• Sensitivity & Tolerance	• Positive Reinforcement
5/08/2017	• Group Discussion	• Group Discussion

CONVENER

SUMA VISHWANATH
Group Head HRD
Sapthagiri College of Engineering
Sapthagiri Institute of Medical
Sciences & Research Centre

Principal
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NOTICE

STUTI team hereby informing to all 3rd and 5th semester students, to attend Scheduled test on Career counselling, soft skill development and Personnel counseling on 5/8/2017. So all the students are requested to attend the training test without fail.

CONVENER

SUMA VISHWANATH
Group Head HRD
Sapthagiri College of Engineering
Sapthagiri Institute of Medical
Sciences & Research Centre

Principal
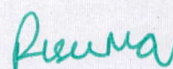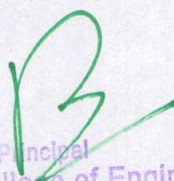Sapthagiri College of Engineering
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Academic Year: 2017-18

QUESTION PAPER

1. Which of the following keywords is used to control access to a class member?

   A. Default

   B. Break

   C. Protected

   D. Asm

2. Which of the following also known as an instance of a class?

   A. Friend Functions

   B. Object

   C. Member Functions

   D. Member Variables

3. The computational technique used to compute the disk storage address of individual records is called:

   A. bubble memory

   B. key fielding

   C. dynamic reallocation

   D. hashing

   E. None of the above

4. A page fault

   A. is an error is a specific page

   B. occurs when a program accesses a page of memory

   C. is an access to a page not currently in memory

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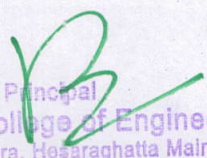#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru– 560 057.
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Academic Year: 2017-18

QUESTION PAPER

D.   is a reference to a page belonging to another program

E.   None of the above

5.What problem is solved by Dijkstra's banker's algorithm?

  A.   mutual exclusion

  B.   deadlock recovery

  C.   deadlock avoidance

  D.   cache coherence

  E.   None of the above

6.In MS-DOS 5.0, which is the number that acts as a code to uniquely identify the software product?

  A.   MS

  B.   DOS

  C.   MS DOS

  D.   5.0

  E.   None of the above

7.Which of the following statement is correct?

  A.   A reference is a constant pointer.

  B.   A reference is not a constant pointer.

  C.   An array of references is acceptable.

  D.   It is possible to create a reference to a reference.

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Academic Year: 2017-18

QUESTION PAPER

15. Which of the following function declaration is/are incorrect?

A. `int Sum(int a, int b = 2, int c = 3);`

B. `int Sum(int a = 5, int b);`

C. `int Sum(int a = 0, int b, int c = 3);`

D. Both B and C are incorrect.

E. All are correct.

8. Which of the following statements is correct about the program given below?

```
class Bix
{
    public:
    static void MyFunction();
};
int main()
{
    void (*ptr)() = &Bix::MyFunction;
    return 0;
}
```

A. The program reports an error as pointer to member function cannot be defined outside the definition of class

B. The program reports an error as pointer to static member function cannot be defined.

C. The program reports an error as pointer to member function cannot be defined without object.

D. The program reports linker error.

9. Which of the following type of class allows only one object of it to be created?

A. Virtual class

B. Abstract class

C. Singleton class

D. Friend class

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Academic Year: 2017-18

QUESTION PAPER

10. A relocate program form is one which

   A. cannot be made to execute in any area of storage other than the one designated for it at the time of its coding or translation.

   B. consists of a program and relevant information for its relocation.

   C. can itself performs the relocation of its address-sensitive portions.

   D. all of the above

   E. None of the above

11. Which of the following means "The use of an object of one class in definition of another class"?

   A. Encapsulation

   B. Inheritance

   C. Composition

   D. Abstraction

12. Which of the following statements is correct in C++?

   A. Classes cannot have data as protected members.

   B. Structures can have functions as members.

   C. Class members are public by default.

   D. Structure members are private by default.

13. What scheduling algorithm allows processes that are logical runnable to be temporarily suspended?

   A. preemptive scheduling

   B. non-preemptive scheduling

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Academic Year: 2017-18

QUESTION PAPER

C. FIFO

D. FCFS

E. None of the above

14. Semaphores

A. synchronize critical resources to prevent deadlock

B. synchronize critical resources to prevent contention

C. are used to do I/O

D. are used for memory management

E. None of the above
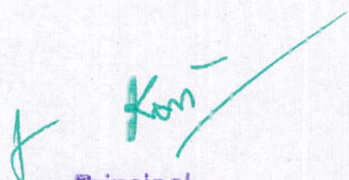
15. Software that measures, monitors, analyzes, and controls real-world events is called:

A. system software

B. real-time software

C. scientific software

D. business software

E. None of the above

16. Which is a permanent database in the general model of compile?

A. Literal Table

B. Identifier Table

C. Terminal Table

D. Source code

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Academic Year: 2017-18

QUESTION PAPER

E. None of the above

17. The FIFO algorithm

A. executes first the job that last entered the queue

B. executes first the job that first entered the queue

C. execute first the job that has been in the queue the longest

D. executes first the job with the least processor needs

E. None of the above

18. Resolution of externally defined symbols is performed by

A. Linker

B. Loader

C. Compiler

D. Assembler

E. None of the above

19. A non-relocatable program is one which

A. cannot be made to execute in any area of storage other than the one designated for it at the time of its coding or translation.

B. consists of a program and relevant information for its relocation.

C. can itself performs the relocation of its address-sensitive portions.

D. all of the above

E. None of the above

20. In MS-DOS 5.0, which is the number that acts as a code to uniquely identify the software

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Academic Year: 2017-18

QUESTION PAPER

product?

A. MS

B. DOS

C. MS DOS

D. 5.0

E. None of the above

21.What will be the output of the program?

```c
#include<stdio.h>

int main()
{
    int y=128;
    const int x=y;
    printf("%d\n", x);
    return 0;
}
```
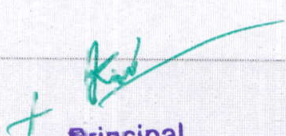
A. 128

B. Garbage value

C. Error

D. 0

22.A function may have any number of return statements each returning different values.

A. True

B. False

23.What will be the output of the program?

```c
#include<stdio.h>
int fun(int **ptr);
```

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Academic Year: 2017-18

QUESTION PAPER

```
int main()
{
    int i=10;
    const int *ptr = &i;
    fun(&ptr);
    return 0;
}
int fun(int **ptr)
{
    int j = 223;
    int *temp = &j;
    printf("Before changing ptr = %5x\n", *ptr);
    const *ptr = temp;
    printf("After changing ptr = %5x\n", *ptr);
    return 0;
}
```

A. Address of i
    Address of j

B. 10
    223

C. Error: cannot convert parameter 1 from 'const int *=' to 'int **'

D. Garbage value

24. Which of the following function is used to find the first occurrence of a given string in another string?

A. strchr()

B. strrchr()

C. strstr()

D. strnset()

25. If the two strings are identical, then strcmp() function returns

A. -1

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QUESTION PAPER

B. 1

C. 0

D. Yes

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Academic Year: 2017-18

SCHEME

1.Answer: Option C

2.Answer: Option B

Objects are the entities which exibits both state and behaviour. Each object consists of data code to manipulate the data. The word instance is the synonym for the object. An instance of the class is called object

3.Answer: Option D

4.Answer: Option C

Paging is a memory mgmt scheme in which memory is divided into fixed size blocks of memory known as pages. When we execute a program the pages containing the required data are oaded in the main memory. The no of pages that can be loaded in the main memory is fixed. So when a process asks for the data which is not in the memory at the moment the page fault occurs and then the pages with required data are loaded from the memory.

5.Answer: Option C
Explanation:
The Banker's algorithm is a resource allocation & deadlock avoidance algorithm developed by Edsger Dijkstra that tests for safety by simulating the allocation of pre-determined maximum possible amounts of all resources, and then makes a "safe-state" check to test for possible deadlock conditions for all other pending activities, before deciding whether allocation should be allowed to continue

6.Answer: Option D

7 Answer: Option A
Explanation: A constant pointer is the one whose pointing location is fixed and can't be modified.

8.Answer: Option D

9.Answer: Option D

Compiler errors mean the compiler could not translate the source code you provided into object code. It usually means you have a syntactic or semantic error in your own program that you have to resolve before your program exhibits the behavior you're intending it to have.

Linker errors mean the linker could not build an executable program from the object code you

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Academic Year: 2017-18

SCHEME

provided. It usually means your program does not properly interface with its own dependencies or with the outside world (e.g. External libraries).

10. Answer: Option B

11. Answer: Option C

12. Answer: Option B

13. Answer: Option A

14. Answer: Option A

15. Answer: Option B

16. Answer: Option C
Terminal Table: A permanent database that has entry for each terminal symbols such as arithmetic operators, keywords, punctuation characters such as ';', \', \', 'etc Fields: Name of the symbol.

17. Answer: Option B

18. Answer: Option A

19. Answer: Option A

20. Answer: Option D

21. Answer: Option A
Explanation:
Step 1: `int y=128;` The variable 'y' is declared as an integer type and initialized to value "128".
Step 2: `const int x=y;` The constant variable 'x' is declared as an integer and it is initialized with the variable 'y' value.
Step 3: `printf("%d\n", x);` It prints the value of variable 'x'.

Hence the output of the program is "128"

22. Answer: Option A
Explanation:
True, A function may have any number of `return` statements each returning different values and each `return` statements will not occur successively.

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SCHEME

23.Answer: Option C

24. Answer: Option C
Explanation:
The function strstr() Finds the first occurrence of a substring in another string
Declaration: char *strstr(const char *s1, const char *s2);
Return Value:
On success, strstr returns a pointer to the element in s1 where s2 begins (points to s2 in s1).
On error (if s2 does not occur in s1), strstr returns null.
Example:

```
#include <stdio.h>
#include <string.h>

int main(void)
{
    char *str1 = "IndiaBIX", *str2 = "ia", *ptr;

    ptr = strstr(str1, str2);
    printf("The substring is: %s\n", ptr);
    return 0;
}
```

Output: The substring is: iaBIX
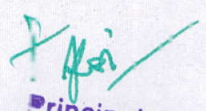
25. Answer: Option C
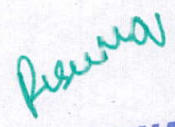Explanation:
Declaration: strcmp(const char *s1, const char*s2);
The strcmp return an int value that is

if s1 < s2 returns a value < 0

if s1 == s2 returns 0

if s1 > s2 returns a value > 0

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Sapthagiri Institute of Medical
Sciences & Research Centre

Principal
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Placement

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College of Engineering
Creating Tomorrow

LCS

STUTI
CAREER GUIDANCE AND PLACEMENT CELL

CERTIFICATE OF PERFORMANCE

THIS IS TO CERTIFYTHAT

Mr/Ms_____has participated in
"Career counselling, soft skill development and Personnel counselling"
from 31st July 2017 to 5th August 2017organized by STUTI Team.

CONVENOR

PRINCIPAL
Principal
Sapthagiri College of Engineering
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REPORT ON CAREER COUNSELLING, SOFT SKILL DEVELOPMENT AND PERSONNEL COUNSELLING

The STUTI team of Sapthagiri College of engineering organized the Career counselling, soft skill development and Personnel counselling for 3rd and 5th semester students from 31st July 2017 to 5th August 2017. The program was successfully organized and carried out by STUTI team.

The training program covered the following domains

1. Communication skills

2. Soft Skill

3. Career Planning

4. Job Opportunities

5. Group Discussion

FEW SCREENSHOTS OF THE PROGRAM

CONVENOR

SU... VISHWANATH

Group Head HRD

Sapthagiri College of Engineering

Sapthagiri Ins... ...Medical

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Payment Voucher

No. : 2768

Dated : 16-Oct-2017

Particulars	Amount
Account :	
M/s.Ladder Consultancy Services Pvt Ltd Agst Ref LSC/RS601/07/17 11,40,480.00 Dr	11,40,480.00

SAPTHAGIRI COLLEGE OF ENGINEERING
TGMC BANK A/c No.: 103091002852

Chq. No. 764153 Date: 11/11/17 Rs. 11,40,480/-

Prepared.   Authorized Signatory

Through :

TGMC-103091002852

On Account of :

Being balance amount paid towarrds training of 704 students each 4500)agasint bill.No LSC/RS /601/07/17

Bank Transaction Details:

M/s.Ladder Consultancy Services Pvt Ltd
Cheque   16-Oct-2017   11,40,480.00

Amount (in words) :

INR Eleven Lakh Forty Thousand Four Hundred Eighty Only

₹ 11,40,480.00

Receiver's Signature:

Authorised Signatory

T.S.Sia

Contra Voucher

No. : **381**   Dated : 16-Oct-2017

Particulars		Debit	Credit
To TGMC-103091002852			1,58,400.00
SBI- 30263521464	*Dr*	1,58,400.00	

On Account of :

Being balance amount paid
towards tds on CO- Cubes

Bank Transactions Details

SCE-2016-17, State Bank of India (India)
Cheque/DD   16-Oct-2017 **1,58,400.00**

		₹ 1,58,400.00	₹ 1,58,400.00

Authorised Signatory