Code No. 2510

FACULTY OF ENGINEERING

B.E. II – Semester (CBCS)(Backlog) Examination, December 2019

Subject: Business Communication & Presentation Skills

Time: 3 Hours **Max. Marks: 70**

Note: **Answer all questions from Part- A & any five questions from Part-B**

PART – A (20 Marks)

I. Choose the right option for the sentences given below. (1x2=2)

1. Growing realization of fraternity and equality in the corporate sector is found in
   a) Diagonal communication
   b) Upward communication
   c) Horizontal communication
   d) Downward communication

2. In which style of communication will be resent by your colleagues.
   a) Grape wine communication
   b) Passive communication
   c) Aggressive communication
   d) Assertive communication

II. Choose the right option for the sentences given below. (1x2=2)

1. 'Coming Together' and 'Coming Apart' are the parts of
   a) Delphi technique
   b) Johari Window
   c) Knapp's relationship development model
   d) Persuasion technique

2. For effective email we should
   a) Not use punctuation
   b) Use only capital letters
   c) Emphasize everything
   d) Write the subject clearly

III. Choose the right option for the sentences given below. (1x2=2)

1. Which of the following is not a feature of technical communication?
   a) Technical content
   b) Specialized vocabulary
   c) Objectivity
   d) Non factual information

2. To face interview confidently we should not
   a) Be assertive
   b) Be friendly and courteous
   c) Reach early
   d) Be over anxious

Contd..2

IV. State whether the following statement is true or false. (1x2=2)

1. The information on content should be objective in technical communication.
2. Our qualification and occupation is known to others in the open area of Johari window.

V. State whether the following statement is true or false. (1x2=2)

1. According to Knapp's model, avoidance and termination is a part of coming together.
2. We must use capital letters only in writing an email.

VI. Match the following : (½ x4=2)

A	B
1. Coming together and coming apart	a. People need to be present physically
2. Nominal technique	b. Knapp's model
3. Delphi technique	c. People need not be present physically
4. Equal participation	d. Feature of good GD

VII. What is mobile etiquette? (2)
VIII. Write about Time Management. (2)
IX. What is Diagonal communication? (2)
X. What is Nominal technique? (2)

PART – B (5 x 10 = 50 Marks)

11. Write about the ABC of technical communication.
12. What are the differences between technical writing and general writing?
13. Write about the styles of communication. What is email etiquette?
14. What is agenda? Write about the minutes of the meeting.
15. Write about the types of GD. Mention the features of a good GD.
16. Write a letter to a company inquiring about it's washing machines. The purchase should indicate the quality, quantity, price and mode of delivery.
17. Write a report on a book exhibition.

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Code No.2959/AICTE

FACULTY OF ENGINEERING

B. E. (AICTE) II – Semester (Supply.) Examination, December 2019

Subject: Programming for Problem Solving

Time: 3 hours **Max. Marks: 70**

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (20 Marks)

1. Where a program is stored and executed?
2. How to translate the algorithms to programs (C language) give one example.
3. Why Arithmetic expression? What are they?
4. Define string and give example are required.
5. For a given sequence, apply Bubble Sort method and show steps.
   10, 4, 50, 1
6. What is the idea of call by reference?
7. Write a program for factorial of a given number.
8. What are array of Unions?
9. What is the use of pointers?
10. What is the difference between array and linked list?

PART – B (50 Marks)

11. (a) Briefly explain the steps in compilation and execution of a program written in high level language. (5)

    (b) What are the steps to solve logical and numerical problems? (5)

12. (a) Write a program to convert the binary to octal number? (5)

    (b) What is character array? Write a program for student's marks and divisions. (5)

13. (a) Write a program to compute the square root of a given number without using pow() function of the Math library. (6)

    (b) How do you define searching? What are they? Give example for any one method. (4)

14. (a) Write a C program to reverse a sentence using recursion. (6)

    (b) How do you access members of a structure? Give an example. (4)

15. (a) Why typed of in C? Give an example for nested structures. (5)

    (b) Define structure type book that would contain book name, author, pages and price. Write a program to read this data using member operator (.) and display the same. (5)

16. (a)
```
int main ( )
{
    Char *ptr = “Geeksquiz”;
    printf (“%cn”, *4*&*ptr);
    return 0;
}
```
    For this program what is the output and what is the error name? (5)

    (b) What are the uses of pointers in self-referential structures discuss in detail. (5)

17. (a) What are the file handling function? Write a program to create a file and store information. (5)

    (b) How to pass arrays to functions? Explain with example. (5)

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Code No: 2960/ AICTE

FACULTY OF ENGINEERING

B.E II-Semester (Suppl.) Examination, December 2019

Subject: Basic Electrical Engineering

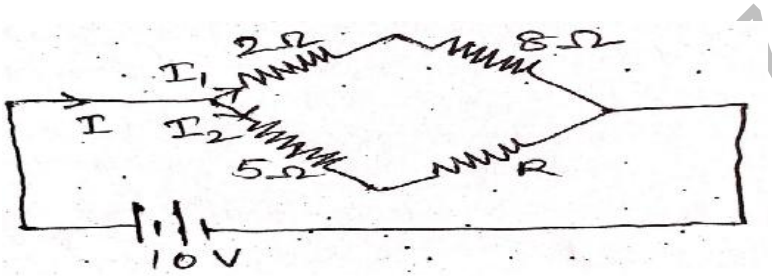
Time: 3 Hours **Max. Marks: 70**

Note: Answer all questions from Part-A & any Five questions from Part-B

PART – A (20 Marks)

1 Draw the V-I characteristics of an ideal voltage and current sources. [2]

2 Determine the current in each branch of the given network, if the total current is 2.25 A. Also determine the value of R. [2]



3 Define power factor of alternating circuit and give its value for pure resistive circuit. [2]

4 The current in a series circuit of R=5Ω and L=90mH lags the applied voltage by 80^0. Determine the source frequency and impedance. [2]

5 State Lenz's law and justify with valid expression. [2]

6 Give the various three phase transformer connection diagrams. [2]

7 Classify the DC generators based on excitation systems. [2]

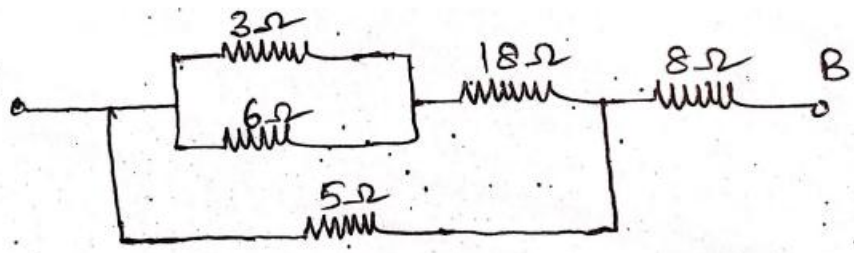
8 What are the applications of DC shunt and series motors? [2]

9 List out the components of LT switchgear. [2]

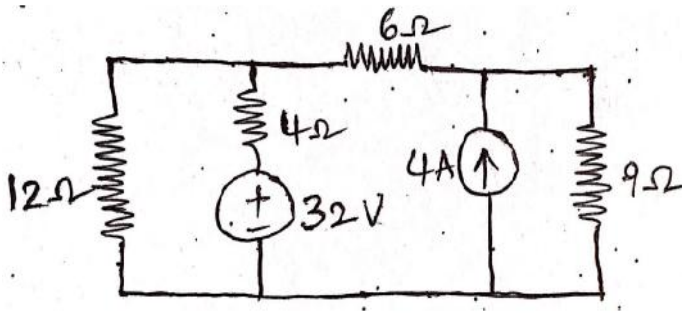
10 Write the different methods for power factor improvement. [2]

PART – B (50 MARKS)

11 a) Calculate the effective resistance of the following combination of resistances and the voltage drop across each resistance when a potential difference of 60V applied between points A and B. [5]



b) Compute the power dissipated in 9Ω resistor by applying superposition theorem in circuit of figure. [5]



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12 a) Show that $I_L = \sqrt{3I_{Ph}}$ in 3-ϕ balanced delta connected system with the help of phasor diagram. [5]

b) A resistance and inductance are connected in series across a voltage $v(t) = 283Sin314tV$. An expression for current is found to be $i(t) = 4sin(314t - 45^o)A$.
Find the values of resistance, inductance and power factor. [5]

13 a) A 4kVA, 200/400V, 50Hz 1-ϕ transformer gives the following test results:
OC Test (on primary side) : 200V, 0.8A, 50W
SC Test (on secondary side) : 17.5V, 9A, 50W
Calculate the full load efficiency and second terminal voltage when supplying full load Secondary current at 0.8 power factor lagging. [5]

b) Explain generation of rotating magnetic field in 3-ϕ induction motor. [5]

14 a) Explain with neat diagram how you obtain magnetisation characteristics of a DC machine and the significance of it. [5]

b) Explain capacitor run induction motor with the help of neat circuit diagram and mention its applications. [5]

15 a) Explain the types of batteries and their important characteristics. [5]

b) Write a short notes on types of wires and cables. [5]

16 a) State and explain Thevenin's theorem. [5]

b) Explain the constructional details and principle of operation of 1-ϕ transformer. [5]

17 a) Explain the principle of operation of DC motor. [5]

b) What is an earthing? Write its importance and different methods. [5]

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