

F-3302

Sub. Code

721T

U.G. DEGREE EXAMINATION, APRIL 2020

Second Semester

Part I – தமிழ்

இடைக்கால இலக்கியமும் சிறுகதையும்

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

பகுதி அ

(10 × 2 = 20)

அனைத்து வினாக்களுக்கும் ஓரிருவரிகளில் விடையளிக்க.

1. கரிய நஞ்சினைக் கண்டத்தில் கொண்ட இறைவன் வீற்றிருக்கும் தொன்மையான ஊர் எது?
2. இராமபிரான் எதற்காக இராமேச்சுரம் சென்று அங்குள்ள இறைவனை வணங்கினார்?
3. சிறுகதைப் பற்றி குறிப்பு வரைக.
4. சிறுகதையில் கதையமைப்பு எவ்வாறு அமைந்திருக்க வேண்டும்?
5. மூவகை மொழிகள் யாவை?
6. சொல் விளக்கம் - தருக.
7. திருக்குற்றாலக்குறவஞ்சி - சிறு குறிப்பு வரைக.
8. தமிழ்விடுதலில் எத்தனை கண்ணிகள் உள்ளன அவற்றினைக் கூறி குறிப்பு வரைக.

9. திருமங்கையாழ்வார் தம் வாழ்ந்த நாளை எவ்வாறு எதற்காக வீணாக்கினார்?
10. திருநாவுக்கரசரின் வேறு பெயர்கள் யாவை? குறிப்பெழுதுக.

**பகுதி ஆ**

(5 × 5 = 25)

**அனைத்து** வினாக்களுக்கும் **ஒரு பக்க அளவில்** விடையளிக்க.

11. (அ) திருநாவுக்கரசர் எழுதிய திருப்புவனம் - 'வடியேறு' எனத் தொடங்கும் பாடலை நும்பாடப்பகுதிக் கொண்டு விளக்குக.

(அல்லது)

(ஆ) திருமூலரின் திருமந்திரம் பற்றி விவரிக்க.

12. (அ) திருக்குற்றாலக்குறவஞ்சியின் இயற்கை வர்ணணையை பற்றி விவரி.

(அல்லது)

(ஆ) திருப்பெருந்துறையில் எழுந்தருளிய இறைவனைப் பற்றி மாணிக்கவாசகர் எவ்வாறு பாடியுள்ளார் விளக்குக.

13. (அ) பெயர்ச்சொல்லின் பொதுவிலக்கணத்தை சான்றுகளுடன் விவரி.

(அல்லது)

(ஆ) ஆகுபெயர் என்றால் என்ன? சான்றுகளை தருக.

14. (அ) திருநாவுக்கரசர் திருப்புத்தூரில் எழுந்தருளியுள்ள இறைவனை எவ்வாறு குறிப்பிடுகின்றார்?

(அல்லது)

(ஆ) சுந்தரர் திருச்சூழியல் எழுந்தருளிய இறைவனை எவ்வாறு அழைக்கிறார்?

15. (அ) சமுதாய சிக்கல்களை மையக்கருவாக வைத்து சிறுகதை புனைக.

(அல்லது)

- (ஆ) பாடுவார் முத்தப்பர் - செயங்கொண்டார் சதகத்தில் நும் பாடப்பகுதிக் கொண்டு விளக்குக.

பகுதி இ (3 × 10 = 30)

எவையேனும் மூன்றனுக்கு கட்டுரை வடிவில் விடையளிக்க.

16. நால்வர் தேவாரம் பற்றி நும்பாடப்பகுதிக் கொண்டு விளக்குக.
17. திருமங்கை ஆழ்வாரைப் பற்றி நும்பாடப் பகுதிக் கொண்டு விரிவாக விடை தருக.
18. உயர்திணை ஆண்பாற் பெயர்களைச் சான்றுகளுடன் விளக்கி கட்டுரை வரைக.
19. இடைச்சொல்லிற்குரிய இலக்கணம் எழுதி தில், மன், மற்று ஆகிய இடைச்சொற்களைச் சான்றுகளுடன் விளக்குக.
20. சிற்றிலக்கிய வகையில் 'அபிராமி அந்தாதியின்' பாடுபொருளை நும் பாடப் பகுதிக் கொண்டு விளக்குக.

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**U.G. DEGREE EXAMINATION, APRIL 2020**

**First Semester**

**Part II: English**

**ENGLISH FOR ENRICHMENT – I**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What according to Rajagopalachari given us a new status and new opportunities?
2. What according to Rajagopalachari is the greatest crime in India today?
3. When did Shaw retire from personal performances?
4. What does Shaw refer to as the qualification for political work?
5. What kind of vessel does Tagore image himself?
6. What does Shakespeare refer to as ‘the eye of heaven’?
7. Identify the nouns in the following sentence:

The lion is the king of the beasts.

8. Choose the correct pronoun that substitutes the underlined phrase in the sentence:

Sindhu is going to meet Amutha. (Her/ him/me)

9. How do we put date in an informal letter?  
10. Mention any salutation used in informal letter.

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Write a note on Rajagopalachari's appeal to young men.

Or

- (b) Briefly write about the dream of Martin Luther King.

12. (a) Write a brief note on the literary societies frequented by Shaw.

Or

- (b) Comment on Leacock's reaction when he saw his photograph.

13. (a) How does Tagore describe God's generosity in "Song I"?

Or

- (b) How does Shakespeare plan to immortalise the youth in "Sonnet 18"?

14. (a) Complete the following sentences using appropriate verb forms:
- (i) The teacher \_\_\_\_\_ the lesson yesterday.  
(Teaches/taught/has taught)
  - (ii) Now he \_\_\_\_\_ questions to see if the students have understood the lesson. (Asks/ is asking/asked)
  - (iii) John \_\_\_\_\_ in hospital for two weeks.  
(is lying/lies/has been lying)

Or

- (b) Fill in the blank with the adverb form of the underlined word.
- (i) The boy has beautiful handwriting. He writes \_\_\_\_\_
  - (ii) Her English is fluent. She speaks English \_\_\_\_\_
  - (iii) Our teacher was angry. She spoke to us \_\_\_\_\_
15. (a) Write an imaginary dialogue between two friends about the results of their examinations.

Or

- (b) Develop the hints into a paragraph:

A rich farmer - lot of land - cattle and servants - two sons - happy life - After some years younger son unhappy - asked for his share of the property - wouldn't listen to father's advice - got his share - sold them all - went away to another country - fell into bad ways - soon all money gone - poor - no one to help him - understood his mistake.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Recount Gardiner's account of the lady with a dog.
17. Narrate Leacock's experience at the photo studio.
18. Comment on Milton's lamentation over his blindness.
19. Answer the following questions as directed:

- (a) Fill in the blank using appropriate verb forms:

Most probably he \_\_\_\_\_ to school next week. (will come/would come/has come)

- (b) Fill in the blank using appropriate verb form:

He \_\_\_\_\_ for the results now. (Waits/is waiting/waited)

- (c) Wild animals live in forests.

In this sentence 'animals' is \_\_\_\_\_. (a common noun/ a proper noun/ an abstract noun)

- (d) The childhood of Raju was full of misery.

In this sentence 'childhood' is \_\_\_\_\_. (a common noun/ a proper noun/ an abstract noun)

- (e) Fill in the blank with the adverb form of the underlined word:

My neighbour is a careless driver. He drives \_\_\_\_\_

20. Read the following passage and answer the questions that follow:

After inventing dynamite, Swedish-born Alfred Nobel became a very rich man. However, he foresaw its universally destructive powers too late. Nobel preferred not to be remembered as the inventor of dynamite, so, two weeks before his death, he created a fund to be used for awarding prizes to people who had made worthwhile contributions to humanity. Originally there were five awards: literature, physics, chemistry, medicine, and peace. Economics was added sixtyseven years after the first awards ceremony. Nobel's original legacy of nine million dollars was invested, and the interest on this sum is used for the awards which vary from \$ 30,000 to \$ 125,000. Every year on December 10, the anniversary of Nobel's death, the awards (gold medal, illuminated diploma, and money) are presented to the winners. Sometimes politics plays an important role in the judges' decisions. Americans have won numerous science awards, but relatively few literature prizes. No awards were presented from 1940 to 1942 at the beginning of World War II. Some people have won two prizes, but this is rare; others have shared their prizes.

- (a) Nobel Laureate is a
- (i) Title
  - (ii) Award
  - (iii) Prize
- (b) Economics was added to the list after
- (i) 67 years of Nobel's death
  - (ii) 67 years of first award ceremony
  - (iii) 69 years after Noble's Death



- (c) Noble Prize is given for contribution to
    - (i) Developing dynamite
    - (ii) Developing Sweden
    - (iii) Universe
  - (d) Politicians involve themselves
    - (i) Heavily in deciding winners
    - (ii) A little in deciding winners
    - (iii) Moderately in deciding winners
  - (e) The awards cover
    - (i) Six subjects
    - (ii) Five subjects
    - (iii) Six areas
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**U.G. DEGREE EXAMINATION, APRIL 2020**

**Second Semester**

**Part II: English**

**ENGLISH FOR ENRICHMENT-II**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Who was Helen Keller's teacher?
2. What does Gandhiji say about voluntary surrender?
3. How is good coffee achieved?
4. Whom did Stevenson take with him on his journey up the hill?
5. What does Wordsworth mean by "inward eye" in "Daffodils"?
6. Mention the name of the river that Ramanujan speaks of.
7. Define interjection.
8. Fill in the blanks using the suitable prepositions:  
Hema goes \_\_\_\_\_ college everyday  
\_\_\_\_\_ eight o' clock.
9. Define a précis.
10. What is salutation in a letter?

**Part B**

(5 × 5 = 25)

Answer **all** the questions, choosing either (a) or (b).

11. (a) How does Gandhiji view poverty?  
Or  
(b) How did Long help Owens to win?
12. (a) Describe Stevenson's journey.  
Or  
(b) Explain Inge's ideas on spoon feeding.
13. (a) What philosophy of life is explored in "Mending Wall"?  
Or  
(b) Comment on Wordsworth's reaction at the sight of the daffodils.
14. (a) What are conjunctions?  
Or  
(b) Point out the uses of prepositions.
15. (a) What are the essential elements of a formal letter?  
Or  
(b) Make a précis of the following passage:

Men and Women are of equal rank but they are not identical. They are be peerless pair being supplementary to one another, each helps the other so that without one the existence of the other cannot be conceived and, therefore it follows as a necessary corollary from these facts that anything that will impair the status of either of them will involve the equal ruin of them both. In framing any scheme of women's education this cardinal truth must be constantly kept in mind. Man is supreme in the outward activities of a married air and therefore it is in the fitness of things that he should have a greater knowledge thereof. On the other hand, noise

life is entirely the sphere of woman and, therefore in domestic affairs, in the upbringing and education of children, woman ought to have more knowledge. Not that knowledge should be divided into water-tight compartments or that so that some branches of knowledge should be closed to anyone, but unless courses of instruction are based on discriminating appreciation of these basic principles, the fullest life of man and woman cannot be developed. Among the manifold misfortunes that may befall humanity, the loss of health is one of the severest. All the joys which life can give cannot outweigh the sufferings of the sick. Among the manifold misfortunes that may befall humanity, the loss of health is one of the severest. All the joys which life can give cannot outweigh the sufferings of the sick.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. What life lesson do we learn from the spirit of Helen Keller?
17. Discuss Narayan's remarks on coffee.
18. How does Ramanujan make the readers experience the similar emotions?
19. Explain with examples the different kinds of adjectives.
20. Write an essay on the topic, "The Evils and dangers of Social Media".

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**U.G. DEGREE EXAMINATION, APRIL 2020**

**Third Semester**

**Part II: English**

**ENGLISH FOR ENRICHMENT - III**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. How did Efim go abroad?
2. How did Mathilde make up for the necklace?
3. Why did Maurya want Bartley at home?
4. Define the life of the poor.
5. How does the grandmother praise the girl?
6. How does Sen Gupta regret?
7. What is past tense?
8. What is comparative degree?
9. What are the standard formats of an Agenda?
10. What is descriptive writing?

**Part B****(5 × 5 = 25)**

Answer **all** the questions, choosing either (a) or (b).

11. (a) Sketch the character of Elisha.  
Or  
(b) Write a note on about the meeting between the Verger and the new vicar.
12. (a) Sketch the character of Maurya.  
Or  
(b) Explain the sergeant bigins to sympathize with the Irish rebels.
13. (a) How does the girl die in “A kind of justice”.  
Or  
(b) Discuss about refugees show their love to their motherland.
14. (a) Explain the uses of perfect Tense.  
Or  
(b) Explain Positive Degree.
15. (a) Write a notice for awareness of banned plastic.  
Or  
(b) Describe an international Hockey match.

**Part C****(3 × 10 = 30)**

Answer any **three** questions.

16. Describe the bank manager’s proposal to foreman.
17. Comment on the symbolizes the rise of patriotism in “The Rising of the Moon”.
18. Examine Yassin’s unsteady state of mind in “The Refugee”

19. Discuss the different types of degrees of comparison.
  20. Describe the inauguration of a new super market in your area.
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**U.G. DEGREE EXAMINATION, APRIL 2020**

**Fourth Semester**

**Part-II: English**

**ENGLISH FOR ENRICHMENT -IV**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Who is Alfred Doolittle?
2. What kind of a person is colonel Pickering?
3. Why did Swami throw his cap into the bonfire?
4. Who was Rajam?
5. Who is Perdita?
6. Why did Antonio borrow money from Shylock?
7. Fill in the blank with correct form of the verb.  
The bridge ————— (is/was) built in 1991.
8. Frame a simple sentence.
9. Frame a sentence on thanking.
10. Frame a sentence making a request.



**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b)

11. (a) Attempt a brief Character Sketch of Prof Higgins.

Or

- (b) Why is Eliya angry with Prof. Higgins?

12. (a) Why did Swami Slap Sankar and Pea?

Or

- (b) Describe the friendship between Swami and Mani.

13. (a) Why did Florizel and Perdita flee to Sicilia?

Or

- (b) What did Shylock demand in the Court of Venice.

14. (a) Fill in the blanks with suitable verb forms.

- (i) They \_\_\_\_\_ good friends (is/are)

- (ii) They have \_\_\_\_\_ for a visit
- 
- (Come/Came)

- (iii) She \_\_\_\_\_ allowed to go out (was/were)

- (iv) The boys \_\_\_\_\_ (Play/played) Cricket.

- (v) He was \_\_\_\_\_ (elect/elected) as a leader.

Or

- (b) Add question tags to the following.

- (i) Pass me the Cup of Coffee

- (ii) There is no water in the jug

- (iii) They haven't paid the fees

- (iv) It is raining heavily

- (v) Let's go home

15. (a) Explain a Group Discussion.

Or

(b) Write a Conversation requesting your friend to come to a movie.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Compare and Contrast the Character of Prof. Higgins and Colonel Pickering.
17. Discuss Swami's gradual bonding with Rajam and its effect on other friends.
18. Discuss how fate/Chance played an important role in the tragedy of Romeo and Juliet.
19. Rewrite the following Sentences in indirect Speech.
- (a) "The birds are flying away", kavitha said.
- (b) He asked me, 'Do you play cards'?
- (c) She said, 'I go for long walks every morning'.
- (d) Nita said, 'I am Sorry I lost your bracelet'.
- (e) 'Helen writes very well' said her friend.
20. Expand the following proverb:  
'Make hay while the Sunshines'.

**F-3798****Sub. Code****7BCA1C1****B.C.A. DEGREE EXAMINATION, APRIL 2020****First Semester****Computer Applications****C AND DATA STRUCTURE****(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is a Token? Give an example.
2. What is the difference between a loop and branching statement?
3. What is the purpose of strcat( ) and strlen( ) functions in C?
4. How will you declare and initialize a variable?
5. What is meant by nesting of function?
6. Define Union.
7. How will you open a File?
8. What are the advantages of a pointer?
9. Define Stack.
10. Define Tree.

**Part B****(5 × 5 = 25)**Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the input functions available in C with example.

Or

- (b) Explain nested-if-statement with example.
12. (a) Explain the arithmetic operations on strings with example.

Or

- (b) Write a C program to print the numbers that are divisible by 3 in an array of 20 numbers.
13. (a) Explain the scope and life time of a variable with example.

Or

- (b) Explain recursion with a program.
14. (a) Write a C program to find the smallest of three numbers using pointers.

Or

- (b) Write a C program to arrange the given set of numbers in an array in ascending order using pointers.
15. (a) How will you add an item and remove an item to/from a Queue? Explain with an example.

Or

- (b) Explain the various data structure operations with example.

**Part C** $(3 \times 10 = 30)$ Answer any **three** questions.

16. Write a C program to solve the quadratic equation for all cases.
  17. Write a C program to add two matrices of order  $m \times n$ .
  18. Write a C program to calculate the income tax of an employee using array of structures. (Assume your own data)
  19. Write a C program to store the student details in a file.
  20. Explain the Insertion and Deletion operations into a Linked List with example.
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**F-3799****Sub. Code****7BCA2C1****B.C.A. DEGREE EXAMINATION, APRIL 2020****Second Semester****Computer Applications****PROGRAMMING IN C++****(CBCS 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define Token. Give an example.
2. Define Function.
3. What is a static data member?
4. What is a Constructor?
5. What is a virtual base class?
6. What is a Pointer? Give example.
7. What is a binary File?
8. What is the purpose of tellg() and seekp() functions?

9. What is a Template?
10. What is an Uncaught Exception?

**Part B****(5 × 5 = 25)**Answer **all** questions, choosing either (a) or (b).

11. (a) Write a C++ program to print the Armstrong numbers between 150 and 2500.

Or

- (b) Write a C++ program to convert rupee into dollar.

12. (a) Explain static member functions with an example.

Or

- (b) Explain copy constructor with an example.

13. (a) Explain pointer to derived classes with an example.

Or

- (b) Explain the C++ stream classes.

14. (a) Explain various file opening modes in C++.

Or

- (b) Discuss Random access file operation.

15. (a) Explain the exception handling model in C++.

Or

- (b) Explain any Five rules for handling Exceptions.

**Part C** $(3 \times 10 = 30)$ Answer any **three** questions.

16. Explain various types of expressions in C++ with example.
  17. Write a C++ program to find the biggest of two numbers in two different classes with friend A function.
  18. Explain Multiple Inheritance with a C++ program.
  19. Write a C++ program to search a employee record in a file using emp\_id.
  20. Write a C++ program to swap two integers, two float numbers and two double numbers using function template.
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**B.C.A. DEGREE EXAMINATION, APRIL 2020**

**Fourth Semester**

**Computer Application**

**JAVA PROGRAMMING**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are the basic concepts of OOP?
2. What is a Browser? Give an example.
3. What is meant by Type Conversion?
4. Write any four mathematical functions in java.
5. Define class and object.
6. What is a final method? Give an example.
7. Define Package.
8. What are the types of errors in java?
9. How will you add an Applet to a HTML file?
10. Write the syntax of the method which is used to draw a Line.

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the features of java.

Or

- (b) Explain the fundamental data types used in java.

12. (a) Write a java program to print the first 20 prime numbers.

Or

- (b) Explain nested-if statement with an example.

13. (a) Explain Method Overriding with an example.

Or

- (b) Write a java program to find the biggest number in an array.

14. (a) How will you create a thread by extending Thread class? Explain with an example.

Or

- (b) Explain various types of exceptions with an example.

15. (a) Explain the Applet life cycle.

Or

- (b) Explain the APPLET tag with all attributes with example.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Write a java program to find the biggest of three numbers using command line argument.
  17. Explain the operators in java with example.
  18. How will you implement multiple inheritance in java? Explain with a java program.
  19. How will you add a class to a package? Explain with a Java program.
  20. Write a Java program to draw 3 concentric circles with different color.
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**F-3802****Sub. Code****7BCA5C1****B.C.A. DEGREE EXAMINATION, APRIL 2020****Fifth Semester****Computer Applications****.NET PROGRAMMING****(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are the Data types supported by VB?
2. How to create dynamic array?
3. What is event driven programming?
4. What is use of label control?
5. How to use picture box control?
6. What is the use of Date Time picker?
7. What is constructed error handling?
8. What is MDI?
9. What is connection string?
10. Define Dataset.

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

11. (a) Write briefly about microsoft .NET frame work.

Or

- (b) Explain common language runtime environment.

12. (a) Explain any three properties and two methods of form.

Or

- (b) Differentiate between procedure oriented and object oriented programming.

13. (a) Explain about list box, combo box and checked list box.

Or

- (b) Explain about rich text box, progress bar and masked text box.

14. (a) Explain save dialog box and color dialog box.

Or

- (b) Explain pass by value and pass by reference in argument passing in functions.

15. (a) How to populate data in ADO.NET? Explain with an example.

Or

- (b) Explain browsing records in ADO.NET.

**Part C****(3 × 10 = 30)**Answer any **three** questions.

16. Explain visual basic .net IDE.
  17. Write shorter on Input box, Message box, Radio button and Check box controls.
  18. Explain about creating menus with shortcut keys.
  19. Discuss structured error-handling with an example.
  20. Explain ADP.NET object model.
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**B.C.A. DEGREE EXAMINATION, APRIL 2020**

**Fifth Semester**

**Computer Applications**

**COMPUTER SYSTEM ARCHITECTURE**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Convert the number  $(736.4)_8$  into decimal number.
2. Write the BCD equivalent of the following decimal numbers 99 and 248.
3. Define-Machine language and assembly language.
4. What are the machine instructions that perform logic operations in a Basic computer?
5. Draw the diagram of major components of CPU.
6. What are the functions of program counter (PC) and stack pointer?
7. Draw the hardware diagram for signed magnitude subtraction.
8. Draw the circuit of 2-bit by 2-bit array multiplier.

9. Write the differences between static RAM and dynamic RAM.
10. What are the differences between main memory and auxiliary memory?

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the subtraction of unsigned numbers.

Or

- (b) Explain the basic symbols used for register transfer.

12. (a) Explain about pseudoinstructions.

Or

- (b) Explain the Double-Precision Addition with an example.

13. (a) Explain about the various addressing modes.

Or

- (b) Describe about RISC computers.

14. (a) Explain the necessity of input-output interface.

Or

- (b) Explain with flow chart of Booth's multiplication algorithm.

15. (a) Explain about writing into cache and cache initialization.

Or

- (b) Explain about the virtual memory page replacement in detail.



**Part C** $(3 \times 10 = 30)$ 

Answer any **three** questions.

16. Explain direct and indirect address instructions with example.
  17. Explain about subroutines parameters and datalinkage.
  18. Explain about reverse polish notation and evaluation arithmetic expressions using stack.
  19. Explain about the DMA data transfer.
  20. Describe the characteristics of multiprocessors in detail.
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**B.C.A. DEGREE EXAMINATION, APRIL 2020**

**Fifth Semester**

**Computer Applications**

**Elective – WEB DESIGN TECHNOLOGY**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Write down the types of Markup Languages.
2. Write the HTML tag to accept the more text information in a single element.
3. Write the syntax of SCRIPT tag with its attributes in Javascript.
4. How will you output the text in Javascript?
5. What are the Logical operators used in Javascript?
6. What are the uses of 'type of' operator in Javascript?
7. Write a sample function in Javascript to calculate the factorial of a Number.
8. Write any four methods of string object.
9. Write a HTML code to create the input box in VB script.
10. What are the arithmetic operators used in VB script?

**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the Attributes of <Table> tag.

Or

- (b) Explain the Attributes of <FRAMESET> tag.

12. (a) Write a script program to display a message in an alert box using Javascript.

Or

- (b) Explain the datatypes used in Javascript.

13. (a) Explain Do-while structure with example.

Or

- (b) Describe about the programmer defined functions in Javascript.

14. (a) Explain the math object in Javascript.

Or

- (b) Explain the Data object in Javascript.

15. (a) Explain the types of arrays used in VB Script.

Or

- (b) Explain the data types used in VB Script.

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the elements created in a <FORM> tag. Write sample form design.
  17. Explain about the Events and Event handlers used in Javascript.
  18. Explain with example of selection structure if-if else.
  19. How will you define object properties in Javascript? Explain with example.
  20. Explain the “String Manipulation” Mechanism in VB Script.
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**B.C.A. DEGREE EXAMINATION, APRIL 2020**

**Fifth Semester**

**Computer Applications**

**Elective : COMPUTER GRAPHICS**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What are the applications of Computer Graphics?
2. Write some of the Hard copy output devices.
3. What do you mean by Geometric Transformation?
4. What is reflection transformation?
5. Define Clipping.
6. What is a Concave Polygon?
7. What are basic 3D transformations?
8. What is meant by composite transformation?
9. Define Interface.
10. What is the use of Command language?

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the Graphics system software.

Or

- (b) Explain various graphics input devices.

12. (a) Explain the 2D additional transformations with matrix.

Or

- (b) Explain Composite transformation with an example.

13. (a) Explain the line segment clipping with an example.

Or

- (b) Explain the viewing transformation.

14. (a) Explain 3D scaling transformation with an example.

Or

- (b) Explain 3D composite transformation with an example.

15. (a) Explain the components of User Interface.

Or

- (b) Write short notes on Information Display.

**Part C** $(3 \times 10 = 30)$ 

Answer any **three** questions.

16. Write and explain the Bresenham's line drawing algorithm.
  17. Describe the 2D basic transformations with example.
  18. Write and explain the convex polygon clipping algorithm.
  19. Explain the 3D Rotation and Translation transformation with example.
  20. Explain the styles of command language.
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**U.G. DEGREE EXAMINATION, APRIL 2020**

**Business Administration**

**Allied: ADVERTISING AND SALES PROMOTION**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is Publicity?
2. What is Trade Fair?
3. What is Advertising Appeal?
4. What do you mean you Catch Phrases?
5. What is meant by space in advertisement?
6. What do you mean by advertising campaign?
7. What is Quota?
8. What is Personal Selling?
9. Define Sales Promotion.
10. What are the Importance of Sales Promotion?



**Part B**

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the advantages of posters.

Or

- (b) What is transportation advertising? Explain.

12. (a) Explain the concept of Body Copy in copy writing.

Or

- (b) Give some examples for Slogans.

13. (a) Explain the concept of reproduction paper.

Or

- (b) Explain the repeat advertising.

14. (a) Explain the importance of sales force decision.

Or

- (b) Explain the process of personal selling.

15. (a) Explain the interactive marketing communication.

Or

- (b) What are the features of after sales services?

**Part C**

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the radio and television advertisement.

17. Explain the elements of copy writing.

18. Explain the functions of advertising layout.
  19. Explain the selection process.
  20. Explain the strategies of sales promotion.
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**U.G. DEGREE EXAMINATION, APRIL 2020**

**Software**

**Allied : FUNDAMENTALS OF COMPUTER**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is computer?
2. Define: Software.
3. Mention the difference in between data and information.
4. List the basic data types.
5. Define: Operating system.
6. Write the steps to set system time.
7. Write the difference in between cut and copy in MS-Word.
8. What are workgroups in MS-Word?
9. Expand: PPT.
10. What are slides?

**Part B****(5 × 5 = 25)**

Answer **all** questions, choosing either (a) or (b).

11. (a) Give a brief note on characteristics of computers.

Or

- (b) Explain the components of computer.

12. (a) Explain the concepts of data processing.

Or

- (b) Elucidate the representation of data or information.

13. (a) Explain the types of icons in windows.

Or

- (b) How can you manage files and folders?

14. (a) Write the steps to draw tables in MS-Word.

Or

- (b) How to modify a report in MS-Word?

15. (a) Write the steps to create and enhance a presentation.

Or

- (b) How to use visual elements in a presentation?

**Part C** $(3 \times 10 = 30)$ 

Answer any **three** questions.

16. Discuss various types of output devices.
  17. Give a detailed note on storage of data or information.
  18. Elaborate the various uses of control panel.
  19. Elaborate the features of MS-Word.
  20. How to create a design template in MS-Power point?
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**U.G. DEGREE EXAMINATION, APRIL 2020.**

**Software**

**Allied – DESKTOP PUBLISHING**

**(CBCS – 2017 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Section A**

(10 × 2 = 20)

Answer **All** questions.

1. Give the use of shape edit.
2. Comment on color styles docker.
3. Write the use of Artistic Text.
4. What is blending?
5. List the steps for cropping bitmaps.
6. Define the term contour.
7. State the use of lasso tool.
8. What are preferences?
9. Mention the types of lights in Photoshop.
10. What is vanishing point?

**Section B** $(5 \times 5 = 25)$ 

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the steps for importing illustrator files in CorelDraw.

Or

- (b) Discuss the basic shapes of CorelDraw.

12. (a) What are the steps for embedding objects in texts? Explain.

Or

- (b) Give an account of Layer Transparency.

13. (a) Write a short note on editing bitmaps in CorelDraw

Or

- (b) Explain the procedure for creating art effect.

14. (a) Explain the settings of creating new document.

Or

- (b) What are Resizing images? Discuss.

15. (a) Overview the adjustment Layer of Photoshop.

Or

- (b) Write on Painting in Photoshop.

**Section C** $(3 \times 10 = 30)$ 

Answer any **three** questions.

16. Describe the common tasks and features of CorelDraw.
17. Explain various text formats in CorelDraw.

18. Discuss the process of creating different 3D effects in CorelDraw.
  19. Overview the basic tools of Photoshop.
  20. Illustrate the different sketch and stylish filters in Photoshop.
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