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G.T.N. ARTS COLLEGE (AUTONOMOUS)

(Affiliated to Madurai Kamaraj University)

(Accredited by NAAC with 'B' Grade)

END SEMESTER EXAMINATION - APRIL 2020

Programme :B.C.A.

Date : 17.09.2020

Course Code: 17CBCA61

Time: 10:00 am to 1:00 pm.

Course Title: CSS and Web Hosting

Max Marks : 75

SECTION – A

[5 X 2 = 10]

Answer ALL the Questions.

1. What is CSS?
2. How to set background in CSS?
3. What is Pseudo Class?
4. How do you save the Website?
5. How do you set the themes in your Website?

SECTION – B

[5 X 7 = 35]

Answer ALL the Questions.

6. a) How do you create a Style Sheet? Explain with example code.
[OR]
b) What are the properties available in CSS?
7. a) How do you work with List and Tables? Explain with suitable coding.
[OR]
b) Explain in detail about Box Model in CSS.

8. a) Write a short note on CSS color with examples.

[OR]

- b) How to create a page layout? and Design a website in CSS.

9. a) How do you work on the Website?

[OR]

- b) How do you create a website structure?

10. a) Write a procedure to create a tiles for the web pages.

[OR]

- b) How do you publishing your Websites? Explain with suitable coding.

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

11. What are advanced options available in CSS?
12. How do you create a Website?
13. What are the advantages of using CSS?
14. Design a homepage for your College Website.
15. Design a homepage for your department.

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END SEMESTER EXAMINATION –APRIL 2020

Programme: BCA

Date : 18.09.2020

Course Code:17UCAC61

Time : 10.00 am to 1.00 pm.

Course Title: Python Programming

Max Marks: 75

SECTION – A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. Which of the following is not a keyword?

[a] Assert

[b] eval

[c] pass

[d] nonlocal

2. Which method removes an element from the set and raises error if the set is empty?

[a] delete(obj)

[b] pop()

[c] remove (obj)

[d] discard(obj)

3. What is the output for y? y=0 For i in range (10, 1, 2): y+=i Print(y)

[a] 10

[b] 40

[c] 30

[d] 20

4. Which function is defined without a name?

[a] Lambda

[b] Aanonymous

[c] Recursive

[d] both a and b

5. Which method reads one entire line from the file?
[a] readline() [b] read()
[c] Seek () [d] none of the above

6. Which directory contains the python standard modules?
[a] pythondir [b] lib
[c] dir [d] none of the above

7. Which feature of oops illustrate the code reusability?
[a] Polymorphism [b] Inheritance
[c] Abstraction [d] Encapsulation

8. Which attribute method is used to check if an attribute exists or not?
[a] ha sattr (obj, name) [b] getattr (obj, name)
[c] setattr (obj, name,value) [d] none of the above

9. Which method searches all patterns and returns a list?
[a] compile () [b] sub ()
[c] findall () [d] find ()

10. Which is a python object that represents an error?
[a] functions [b] exceptions
[c] try [d] finally

SECTION – B [5 X 7 = 35]

Answer ALL the Questions.

11. a) Describe the features of Python.

[OR]

- b) Write a Python script to sort a dictionary by value (Ascending and Descending).

12. a) Differentiate while loop and while loop with else with examples.

[OR]

- b) Illustrate with example the working of recursive functions.

13. a) Write short notes on various import statements in Python.

[OR]

- b) Explain the following methods with an example.

- i) Seek () ii) tell () iii) write () iv) read () v) truncate ()

14. a) Explain method overriding with an example.

[OR]

- b) Define the following keywords.

- i) Object ii) class iii) encapsulation iv) data hiding

15. a) Discuss about the try...finally statement with example.

[OR]

- b) Briefly explain the assertions in Python.

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Define operators. Explain the different types of operators in Python with example.

17. Explain various decision making statements in Python.

18. Explain about the date and time modules.

19. Explain multilevel inheritance with an example program.

20. Discuss the match () and search () functions with an example.

18. Write notes on Acceptance Testing.
19. Explain the following steps involved for performance testing:
- (i) Collecting Requirements
 - (ii) Writing Test Cases
 - (iii) Analyzing the performance test results
20. Explain in detail Test Process.

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END SEMESTER EXAMINATION – APRIL 2020

Programme: B.C.A.

Date: 19.9.2020

Course Code: 17UCAC62

Time: 10.00 am to 1.00 pm.

Course Title: Software Testing

Max. Marks :75

SECTION – A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. _____ document acts as a bridge between the customer and the designers chartered to build the product.
- [a] SRS [b] SSR
[c] SMR [d] CMS
2. _____ is traditionally used to mean testing of the program code.
- [a] Loading [b] Linking
[c] Testing [d] Debugging
3. Block box testing is done from the _____ viewpoint.
- [a] programmer's [b] customer's
[c] project manager [d] team leader
4. _____ testing means testing of interfaces.
- [a] Unit [b] Acceptance
[c] System [d] Integration

5. _____ testing involves testing a product's functionality and features.
[a] Functional [b] Explicit
[c] Positive [d] Negative
6. The objective of _____ testing is to find out the maximum capability of the product parameters.
[a] reliability [b] scalability
[c] stress [d] interoperability
7. _____ represents the number of requests processed by the product in specified time duration.
[a] Response time [b] Waiting time
[c] Throughput [d] Turnaround time
8. A _____ testing is done to validate the final build before release.
[a] Final Regression [b] Regular regression
[c] Stress [d] Performance
9. A _____ is a popular method to estimate the size of an application.
[a] time complexity [b] LOC
[c] function point [d] KLOC
10. _____ is the actual time that is spent on a particular activity or a phase.
[a] Attempt [b] Effort
[c] Try [d] None of these

SECTION – B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) Write notes on Quality, Quality Assurance, and Quality Control.
[OR]
b) Discuss about Static Analysis Tools.
12. a) Explain about Boundary Value Analysis.
[OR]
b) Write notes on Top-Down Integration and Bottom-Up Integration.
13. a) Explain the following:
(i) Business Vertical Testing (ii) Deployment Testing
[OR]
b) Explain about Scalability Testing.
14. a) What are the factors governing performance testing? Explain its.
[OR]
b) What is regression testing? Explain the different types of regression testing.
15. a) Discuss about Size and Effort Estimation.
[OR]
b) Explain about Development Defect Metrics.

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Describe the different phases of Software Project.
17. Explain the following:
(i) Decision Tables (ii) Requirements Based Testing

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Explain in details about a Typical Hadoop Environment and its new technologies.
17. What are the terminologies used in Big Data Environment? Explain some of them.
18. Discuss about use case and Distributors of Hadoop.
19. Explain about searching, sorting and Compression in MAPREDUCE Programming.
20. What is ‘training set’ and ‘test set’ in a Machine Learning Model? How much data will you allocate for your training, validation, and test sets?

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END SEMESTER EXAMINATION – APRIL 2020

Programme : B.C.A

Date : 21.09.2020

Course Code: 17UCAE61

Time: 10.00 am to 1.00 pm.

Course Title : Big Data Analytics

Max. Marks :75

SECTION – A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. What was Hadoop named after?
 - [a] Creator Doug Cutting’s favourite circus act band
 - [b] Cutting’s high school rock
 - [c] The toy elephant of Cutting’s son made during development
 - [d] A sound cutting’s laptop Hadoop
2. Big data is a collection of ____ that cannot be processed using traditional computing techniques.
 - [a] large datasets
 - [b] Small datasets
 - [c] large classes
 - [d] large objects
3. What are the different features of Big Data Analytics?
 - [a] Open-Source
 - [b] Scalability
 - [c] Data Recovery
 - [d] All the above

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4. _____ is the process of examining large and varied data sets.
- [a] Big data analytics [b] Cloud Computing
[c] Machine learning [d] None of the above
5. All of the following accurately describe Hadoop, EXCEPT _____
- [a] Open Source [b] Real-time
[c] Java-based [d] Distributed Computing approach.
6. DFS stands for _____.
- [a] Digital File System [b] Dynamic File System
[c] Distributed File System [d] Data File System
7. The output of the _____ is not sorted in the Mapreduce framework for Hadoop
- [a] Mapper [b] Cascader
[c] Scalding [d] None of the mentioned
8. What is Hive?
- [a] An open source data warehouse system [b] relational database
[c] OLTP [d] An language
9. Which of the following is a widely used and effective machine learning algorithm based on the idea of bagging?
- [a] Decision Tree [b] Regression
[c] Classification [d] Random Forest
10. Computers are the best at learning _____.
- [a] Facts [b] Concepts
[c] Procedures [d] Principles

SECTION – B

[5 X 7 = 35]

Answer ALL the Questions.

11. a) What is Digital Data? Explain its Classification.

[OR]

- b) What is Data warehouse? Elucidate its Environment with neat diagram

12. a) What is the need of Data Analytics? Explain in details.

[OR]

- b) Discuss about the Big Data Analytics and its Classification.

13. a) Explain some of the important features of Hadoop.

[OR]

- b) Explain the history and overview of Hadoop Framework.

14. a) Short note on i) Mapper ii) Reducer

[OR]

- b) Explain about Hive Data Types and its File Formats.

15. a) What is Machine learning? Mention the difference between Data Mining and Machine learning?

[OR]

- b) What are the different Types of Machine Learning? Explain with neat diagram.

b) Explain: Integrity and commitment.

ஆ) நேர்மை மற்றும் பொறுப்பு ஒப்படைப்பு பற்றி விளக்கி எழுதுக.

15. a) Explain the role of family in value formation.

அ) மதிப்பு உருவாக்குதலில் குடும்பத்தின் பங்கினை விவரி.

[OR]

b) What is the role of media in spreading values?

ஆ) மதிப்புகளை பரப்புவதில் ஊடகத்தின் பங்கு என்ன?

SECTION – C

[3 X 10 = 30]

Answer Any THREE Questions.

16. Discuss the significance of value education.

விழுமியக் கல்வியின் சிறப்பு அம்சங்கள் குறித்து விவாதித்துரைக்க.

17. Explicate the meaning of religion and religious values.

மதங்களும் மற்றும் மத சம்பந்தமான விழுமியங்களை பற்றி குறிப்பு எழுதுக.

18. What do you understand by the term secularism? Describe about the different types of secularism.

மதசார்பின்மை பற்றி நீ அறிவது யாது? மதசார்பின்மையின் பல்வேறு வகைகளை பற்றி விவரி.

19. Discuss the various aspects of team spirit and write some components of professional values.

ஓர்மை உணர்வு பற்றிய அம்சங்களை விவாதி மற்றும் ஒரு தொழில் சார்ந்த நீதித்துவத்தின் கூறுகள் குறித்து எழுதுக.

20. What are the ways to eradicate corruption?

ஊழலை ஒழிப்பதற்கான வழிகள் என்னென்ன?

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END SEMESTER EXAMINATION – APRIL 2020

Programme: B.A/B.Sc./B.Com/B.B.A/B.C.A

Date: 16.09.2020

Course Code: 17UVEV61

Time: 10 am – 1 pm

Course Title : Value Education

Max. Marks :75

SECTION – A

[10 X 1 = 10]

Answer ALL the Questions.

Choose the Correct Answer.

1. Values are _____.

[a] guiding principle

[b] virtues

[c] ideals

[d] all the above

மதிப்பு என்பது _____.

[அ] வழிகாட்டு கொள்கைகள்

[ஆ] நல்லொழுக்கம்

[இ] கொள்கைகள்

[ஈ] இவை அனைத்தும்

2. Understanding feelings and emotions of other people is termed as _____.

[a] sympathy

[b] empathy

[c] socialization

[d] moral

மற்றவர்களின் உணர்வுகளை மற்றும் உணர்ச்சிகளை புரிந்து கொள்வது _____.

[அ] இரக்கம்

[ஆ] பரிவு

[இ] சமூகமயமாக்கல்

[ஈ] பொருளாதாரத்தின் மதிப்பு

3. Justice, Liberty, Equality and Fraternity are _____.

[a] human values

[b] national values

[c] social values

[d] economic values

நீதி, சுதந்திரம், சமத்துவம் மற்றும் சகோதரத்துவம் என்பது _____.

[அ] மனித இயல்பு

[ஆ] தேசத்தின் மதிப்பு

[இ] சமூகத்தின் மதிப்பு

[ஈ] பொருளாதாரத்தின் மதிப்பு

4. Gender equality is _____.

[a] basic human rights

[b] constitutional Rights

[c] legal rights

[d] all the above

பாலியல் சமத்துவம் என்பது _____.

- [அ] அடிப்படை மனித உரிமை [ஆ] அரசியலமைப்பு உரிமை
[இ] சட்ட உரிமை [ஈ] இவை அனைத்தும்

5. Which one of the following is not a fundamental right?

- [a] Right to life [b] Right to liberty
[c] Right to property [d] Right to education

இவற்றில் எது அடிப்படை உரிமை இல்லை?

- [அ] வாழ்வுரிமை [ஆ] சுதந்திர உரிமை
[இ] சொத்துரிமை [ஈ] கல்வி உரிமை

6. Constitutional values are _____.

- [a] human values [b] social values
[c] national values [d] none of the above

அரசியலமைப்பு மதிப்பு என்பது _____.

- [அ] மனித மதிப்பு [ஆ] சமூக மதிப்பு
[இ] தேசத்தின் மதிப்பு [ஈ] இவற்றில் எதுவுமில்லை

7. Which of the following constitutional rights safeguard women and children?

- [a] Right to Freedom [b] Right against Exploitation
[c] Right to Equality [d] Right to Constitutional Remedies

கீழ்க்கண்டவற்றில் எந்த அரசியலமைப்பு உரிமை பெண்களையும் குழந்தைகளையும் பாதுகாக்கிறது.

- [அ] சுதந்திர உரிமை [ஆ] சுரண்டலுக்கு எதிரான உரிமை
[இ] சம உரிமைக்கான உரிமை [ஈ] அரசியலமைப்பு தீர்வுகளுக்கான உரிமை

8. The Common values of all the professions are _____.

- [a] acquiring knowledge [b] commitment
[c] sincerity [d] all the above

தொழில் சார்ந்த பொது மதிப்பு என்பது _____.

- [அ] அறிவு பெறுவது [ஆ] அர்ப்பணிப்பு
[இ] நேர்மை [ஈ] இவை அனைத்தும்

9. Aesthetic value are related to _____.

- [a] values of human behaviour [b] value in art and literature
[c] rules about society [d] ideas of religious

அழகியல் மதிப்பு என்பது எதனுடைய தொடர்பு _____.

- [அ] மனித நடத்தையின் மதிப்பு [ஆ] கலை மற்றும் இலக்கியத்தின் மதிப்பு
[இ] சமூகத்தின் மதிப்பு [ஈ] மதகொள்கைகள்

10. The statement “Value educational for peace, culture and human development from India to the World” was given by _____.

- [a] Mahatma Gandhi [b] Swamy Vivekananda
[c] Dr. B.R.Ambedkar [d] Jawaharlal Nehru

“மதிப்புறு கல்வியின் மூலம் அமைதி கலாசாரம், மனித வளர்ச்சி போன்றவை இந்தியாவில் இருந்து உலகிற்கு எடுத்து இயம்பியவை” என்ற கூற்று கூறியவர் யார்?

- [அ] மகாத்மா காந்தி [ஆ] சுவாமி விவேகானந்தர்
[இ] Dr.B.R.அம்பேத்கார் [ஈ] ஜவஹர்லால் நேரு

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

11. a) State the aims of value education.

அ) விழுமியக்கல்வியின் (மதிப்புறு கல்வியின்) நோக்கங்கள் குறித்து எழுதுக.

[OR]

b) What are the classification of values?

ஆ) விழுமியத்தின் (மதிப்பின்) வகைகள் யாவை?

12. a) Define Karma Yoga. State the importance of Karma Yoga.

அ) கர்ம யோகம் என்பதை வரையறு. அதனுடைய முக்கியத்துவத்தை எடுத்துரைக்க.

[OR]

b) What are the moral value of Islam?

ஆ) இஸ்லாமிய நன்னெறி பண்புகள் யாவை?

13. a) What is called “gender justice”?

அ) பாலியல் சமத்துவம் என்றால் என்ன?

[OR]

b) Mention various causes of social problems.

ஆ) சமூக சிக்கல்களுக்கான காரணங்கள் கூறுக.

14. a) Define ethics. Why is “accountability” considered very important in any profession?

அ) அறவியல் என்பது வரையறு. எந்த தொழிலுக்கும் “பதில் சொல்லும் பொறுப்பு” மிகவும் அவசியம் என்று ஏன் கருதப்படுகிறது?

[OR]

