

19COA601

Reg No : .....

**CHOICE BASED CREDIT SYSTEM**

**BCA SIXTH SEMESTER DEGREE EXAMINATION MAY/JUNE 2023**

**COMPUTER APPLICATIONS**

**Computer Graphics and Multimedia**

**Duration:3 Hours**

**Max Marks:80**

**I. Answer any FIVE of the following :**

**(5×2= 10 Marks)**

1. How is Computer Graphics used in the industries and business?
2. What do you understand by clipping window? Give an example.
3. What do you understand by eight-connected region?
4. Give the transformation matrix for reflection about: (i) the line  $y=x$  (ii) origin.
5. Define an image.
6. State the difference between lands and pits.

**II. Answer any FIVE of the following :**

**(5×6= 30 Marks)**

7. Distinguish between Raster Scan Display and Vector Scan Display Systems.
8. With an example, explain the replicating pixel method.
9. Show that two successive scalings are multiplicative.
10. What do you understand by seed fill? Explain the seed filling algorithms.
11. Explain the major classifications of media with examples..
12. Find transformation of a triangle A(1,0), B(0,1), C(1,1) by rotating  $45^\circ$  about the origin and then translating one unit in x and y direction.

**III. Answer any FOUR of the following :**

**(4×10= 40 Marks)**

13. (a) Write a note on Antialiasing.  
(b) Write the algorithm to draw an Ellipse.
14. (a) Write the matrix for rotation about 3 Axis in 3D homogenous coordinate system.  
(b) Show that two successive rotations are additive.

15. (a) Explain the four categories of MIDI software application.  
(b) Write a note on MIDI messages.
16. (a) Write a C program to fill a rectangle using a user defined function.  
(b) Write a C program to rotate an object about the origin.
17. With an appropriate example, explain Sutherland-Hodegeman polygon clipping algorithm.

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22ABE401

Reg No : .....

**CHOICE BASED CREDIT SYSTEM**

**BA/B.Sc./B.Com./BBA/BCA FOURTH SEMESTER DEGREE EXAMINATION**

**MAY/JUNE 2023**

**Constitution of India**

**Duration:2 Hrs**

**Max Marks:60**

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**Section - A**

**I. Answer any Five of the following:**

**(2×5= 10)**

- a. Who gave the idea of a Constituent assembly? Who was the chairman of the Constituent assembly?
- b. What is Judicial Review?
- c. What are the qualifications for the President of India?
- d. What are the qualifications for the Governor of a State?
- e. State the term of office of the Rajya Sabha.
- f. What are the qualifications required to become a member of the Vidhana Parishad?
- g. What is the composition of a High Court in India?
- h. What is a Public Interest Litigation?

**Section - B**

**II. Answer any Six of the following:**

**(5×6= 30)**

- a. State the Fundamental Duties explained under Article 51-A of the Indian Constitution.
- b. Highlight the significance of the Indian Constitution.
- c. State any five powers and functions of the State Cabinet.
- d. Write a short note on the functions of the Chief Minister.
- e. Write a short note on the Lok Sabha in the Union Parliament.
- f. Explain the Original Jurisdiction of the Supreme Court of India.
- g. Write a short note on the Zilla Panchayat.
- h. Write a note on the Electoral reforms in India.

### **Section - C**

**III. Answer any Two of the following:**

**(10×2= 20)**

- a. Elucidate the Fundamental Rights of the citizens of India guaranteed by the Constitution.
- b. Explain the powers and functions of the Prime Minister of India.
- c. Examine the structure and features of the Judicial System in India.
- d. Enumerate the features of Federalism in India.

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**19GVE401**

**Reg. No.....**

**CHOICE BASED SEMESTER SCHEME  
B.A./B.Sc./B.Com./B.B.A/B.C.A FOURTH SEMESTER DEGREE  
EXAMINATION MAY/JUNE 2023  
GENERAL EDUCATION - IV**

**Duration: 3 Hours**

**Max Marks:30**

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1.The lithosphere is made up of

1. Land
2. Water
3. Air
4. Ice

2.Air consists of \_\_\_\_\_% oxygen

1. 20
2. 21
3. 22
4. 23

3.The layer of life is called

1. Hydrosphere
2. Lithosphere
3. Biosphere
4. Atmosphere

4. \_\_\_\_\_denotes groups of individuals of any one kind of organism

1. Population
2. Community
3. Biomes
4. None f the above

5.It deals with the organisms and their environment in geological past

1. Radiation Ecology
2. Human Ecology
3. Palaeoecology
4. Biome Ecoogy

6. \_\_\_\_\_ is an abiotic factor

1. Plants
2. Animals
3. Fungus
4. Light

7. Producers are also called as \_\_\_\_\_

1. Decomposers
2. Heterotrophs
3. Autotrophs
4. Consumers

8. The study of soil is called \_\_\_\_\_

1. Pedology
2. Physiology
3. Ethology
4. Ecology

9. Free swimming aquatic animals are called \_\_\_\_\_

1. Nekton
2. Benthos
3. Plankton
4. Decomposers

10. \_\_\_\_\_ is an herbivore

1. Lion
2. Fox
3. Deer
4. Tiger

11. Water polluted by industrial waste is called

1. lead
2. effluents
3. broth
4. toxin

12. The method by which trees are planted in avenues and parks in urban areas is called

1. urban forestry
2. social forestry
3. agro forestry
4. reforestry

13. Chipko movement was started in the year

1. 1971
2. 1970
3. 1972
4. 1973

14. Fire crackers explosion is an example of -----Pollution

1. Land
2. Noise
3. Air
4. Thermal

15. Which of the following methods helps to conserve soil ?

1. reforestry
2. mulching
3. agro forestry
4. social forestry

16. Planting of trees on land is called

1. afforestation
2. deforestation
3. strip cropping
4. crop rotation

17. Science of managing forest resources for human benefit is called

1. mulching
2. forestry
3. pollution
4. disaster

18. Cosmic radiation is an example of -----pollution

1. air
2. noise
3. radioactive
4. land

19. Eutrophication is related to -----pollution

1. land
2. Water
3. air
4. noise

20. Bhopal gas tragedy is an example of -----pollution

1. noise
2. air
3. land
4. water

21. When the situation of hazard arises?

1. When there is the threat of natural calamity
2. When there is a threat to the consequences of the disaster
3. When there is a threat to property and lives from calamities
4. All of these

22. Which one of the following is not a Natural Disaster?

1. Volcano eruption
2. Flood
3. Blow out
4. Tsunami

23. Seismic waves cause disaster named as .....

1. Nino
2. Tsunami
3. Typhoon
4. Hurricane

24. Tsunami word is derived from which language word.

1. Greek word
2. Indian word
3. Japanese word
4. None of these

25. The two atom bombs in World War II have been dropped on which of the following: -

1. Germany
2. Russia
3. Italy
4. Hiroshima and Nagasaki in Japan

26. Full form of NDMA

1. Nation Disaster Management Authority
2. National Disaster Management Authority
3. Nation Disaster Management Administration
4. None of these



27.The head of the NDMA is

1. President
2. Governor
3. Chief Minister
4. Prime Minister

28.The NDRF comprises of .....battalions

1. None of these
2. 9
3. 7
4. 8

29.A deep burn destroys all layers of skin is termed as:-

1. None of these
2. First degree burn
3. Second degree burn
4. Third degree burn

30.Novel Coronavirus was originated from which country?

1. None of these
2. Bangladesh
3. Japan
4. China

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**CREDIT BASED SECOND SEMESTER BA/B.SC/BBA/B.COM/BCA DEGREE**  
**EXAMINATION MAY/JUNE 2023**  
**GENERAL EDUCATION**  
**ENVIRONMENT AND DISASTER MANAGEMENT**

**GVE201.2**

**TIME: 3 Hrs**

**I. Answer any Four of the following**

**04 X 05 = 20**

1. Write a note on Ecology
2. Mention the causes and solutions for Noise pollution.
3. Write a note on Chipko Movement.
4. What is Disaster management? Explain.
5. Mention the items of First aid kit with its uses.
6. Explain the role of Media during Disaster

**II. Answer any Two of the following**

**02 X 10 = 20**

7. Briefly explain the Levels of Organization in Ecology.
8. Elaborate the legal measures taken for Environmental protection.
9. Elucidate the process of Disaster Risk Reduction.
10. Explain the role of various stakeholders during Disaster with the illustrations.

**III. Answer any Two of the following**

**02 X 10 = 20**

11. Briefly elaborate the concepts of Ecological Factors.
12. Explain the types of Pollution with its causes, impacts and solutions.
13. Elaborate various environmental movements of India.
14. Elucidate the classification of Disaster.
15. Explain the safety measures and components of Disaster Management.

22ABE201

Reg No : .....

**CHOICE BASED CREDIT SYSTEM**  
**BA/B.Sc./B.Com./BBA/BCA SECOND SEMESTER DEGREE EXAMINATION**  
**MAY/JUNE 2023**  
**Environmental Studies**

Duration: 2 Hours

Max Marks: 60

**Section - A**

**I. Answer any Ten of the following :**

**(2×10= 20)**

1. Define soil erosion.
2. What is a pioneer community?
3. What are omnivores? Give examples.
4. What is Chipko Movement?
5. What is the criteria to qualify as a Biodiversity hotspot?
6. What is an island?
7. Comment on Land degradation.
8. Define disaster management.
9. What is the United Nations Convention on Biological Diversity (UNCBD)?
10. Write the measures to reduce Noise pollution.
11. What are the sources of solid waste?
12. Why does plastic damage the environment?

**Section - B**

**II. Answer any Eight of the following :**

**(5×8= 40)**

1. Explain the different types of natural resources.
2. Explain the significance of forests.
3. Write a note on ocean ecosystem.
4. Write a note on mining and dam construction.
5. Write a short note on soil conservation and management.
6. Write a brief note on biological diversity.
7. Enlist the salient features of Wildlife Protection Act, 1972.
8. Write a note on climate change.
9. Write an explanatory note on resettlement of project affected persons.
10. Write a note on Environmental movements.
11. Explain the components of environment.
12. Enlist the activities that help in creating public awareness in environmental conservation.

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**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME**  
**B.A./B.Sc./B.Com./B.B.A/B.C.A SECOND SEMESTER DEGREE EXAMINATION**  
**MAY/JUNE 2023**  
**ENVIRONMENTAL STUDIES**

**Duration: 2 Hours****Max Marks:30**

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|---|--|
| 1. The National Disaster Management Authority (NDMA) is headed by   | Prime Minister of India<br>Governer of states<br>Chief minister of states  |
| 2. Disaster Management includes   | Mitigation<br>Reconstruction<br>Rehabilitation<br>All of the above   |
| 3.The extent to which a community ,structure , services or geographic area is likely to be damaged or disrupted by the impact of particular hazard is termed as | Capacity<br><br>Vulnerability<br>Risk<br>Hazard assessment   |
| 4.The Richter scale expresses an earthquakes  | Magnitude<br>Location<br>Duration<br>Depth   |
| 5.The State Disaster Management Authority is headed by  | Prime Minister of India<br>President of India<br>Chief minister of the state<br>Governer of states   |
| 6. What is drought?   | No rainfall for a long continuous period<br>Heavy rainfall for a long continuous period<br>Moderate rainfall for a long continuous period<br>None of the above |
| 7. DDMA is headed by  | BDO<br>Chief secretary<br>District magistrate<br>None of the above   |

8. The cycle of disaster consists of the following components
- Mitigation, Preparedness, Response, Recovery
  - Preparedness, vulnerability assessment, risk assessment, recovery
  - Mitigation, Risk assessment, Response and Recovery
  - None of the above
9. Which one of the following is a geological disaster?
- Storm surge
  - Tsunami
  - Flood
  - wild fire
10. Which of the following is not a man-made hazard?
- Leakage of Toxic waste
  - Wars and Civil Strife
  - Drought
  - Environmental pollution
11. Which of the following organization is the apex authority of disaster management in India?
- NDA
  - NDMA
  - CDMA
  - INDR
12. Full form of DDMA
- District Disaster Management Authority
  - District Disease Management Authority
  - District Dam Management Authority
  - District Duck Management Authority
13. Tsunami is also known as
- Tectonic Sea waves
  - Seismic Sea waves
  - Plactonic Sea waves
  - Systonic Sea waves
14. The Disaster Management Act was made in
- 2006
  - 2003
  - 2005
  - 2009

15. A hazard is a situation where there is	Threat of natural calamity Threat to property and lives from calamities Threat for consequences of disaster All of the above
16. Who shall be the first responders in disaster management situation?	Central Government Community Local Government State Government
17. Man-made disasters include:	Wars Terrorism Industrial hazard All of the above
18. Which of the following diseases appeared as public health concern in the last quarter of 21st century	HIV Corona virus Ebola virus All the above
19. A disease that becomes unusually widespread and even global in its reach is referred to as	Epidemic Pademic Spanish flu Hyperendemic
20. Zika virus is related to which of the following diseases	Dengue Yellow fever Japanese encephalitis All of the above
21. Bhopal Gas Disaster is a kind of	Natural disaster Manmade disaster Epidemic disaster None of the above
22. Tsunami's can occur only during	Evening Afternoon Any time of the day or night Morning

23. In India National Institute of Disaster Management is located at
- Manipur
  - Punjab
  - Hyderabad
  - New Delhi
24. Effective hazard management largely rely on
- Govt. agencies
  - Emergency responses
  - Pre-disaster planning
  - Volcanoes
25. Which of the following groups of people is more vulnerable in the event of disaster?
- Men, boys, old people
  - Men, women, boys
  - Women, children, old people
  - None of the above
26. The level of harm by a hazard is governed by
- Magnitude of the hazard
  - Frequency of the hazard
  - Intensity at the impact point
  - All of the above
27. Which of the following is not an atmospheric hazard
- Epidemic in human
  - Hail
  - Heavy rainfall
  - hurricanes
28. The level of risk of a disaster depends on
- Nature of the hazard
  - Vulnerability of the elements which are affected
  - Economic value of the elements which are affected
  - All of the above
29. Which of the following is a man-made disaster
- Terrorism
  - Major fire
  - Pollution
  - All of the above
30. Vulnerability analysis comes in which part of the Disaster Management Cycle
- Mitigation
  - Preparedness
  - Response
  - Recovery

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