**OOPPS Question Bank**

| Unit 1 | Foundations of OOP |
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| 1. | Describe what is understanding of a term "problem" in engineering, with example. |
| 2. | Differentiate between the terms a problem and a solution. |
| 3. | Are coding and programming synonyms? Explain with example. |
| 4. | Give 10 point on need of object oriented programming |
| 5. | Explain important features of Object Oriented Programming. |
| 6. | Explain OOP terms: Abstraction, Encapsulation and inheritance. |
| 7. | Explain OOP terms: Morphism, association, aggregation, composition. |
| 8. | Explain the syntax of a keyword class. |
| 9. | What are access or visibility specifiers in c++, Give example. |
| 10. | What is a structure of c++ program. |
| 11. | What are builtin and user defined data types in C++. |
| 12. | Explain with example, class and object of a class. |
| 13. | Explain the term constructor and destructor in c++. |
| 14. | Explain characteristics of c++ constructor. |
| 15. | Explain characteristics of c++ destructor. |
| 16. | Explain with example, c++ default argument. |
| 17. | Explain advantages and disadvantages of c++ default argument. |
| 18. | Explain with example default constructor in c++. |
| 19. | Explain with example parameterized constructor in c++. |
| 20. | Explain with example copy constructor in c++. |
| 21. | What is explicit descriptor, give example. |
| 22. | What is abstraction in C++. |
| 23. | Write a c++, class to declare datatype for "Hello, World!" create an object to display it. |
| 24. | Explain with example, compiling a C++ code using g++. |
| 25. | Write a code to initialize an integer private members using declaration of an object of a class. |
| 26. | What is importance of declaring object to a class. |
| 27. | Write a access a function member of a class, use object to call it. Compile using VScode |
| 28. | Demonstrate use of cin with example. |
| 29. | What is iostream, Explain. |
| 30. | Write a c++ code to use constructors to send two integer arguments and a function to add and display the result. |
| 31. | Illustrate, default access specifiers with c++ example. |
| 32. | What is special about default access specifier in c++.Give example. |