

COCHIN SHIPYARD LIMITED

(A Govt. of India Enterprise)

KOCHI -15

**OBJECTIVE TYPE OFFLINE TEST TO THE POST OF
ASSISTANT MANAGER (DESIGN-INFORMATION TECHNOLOGY) IN CSL**

29 MARCH 2021

DURATION OF THE TEST : 45 Minutes

MAXIMUM MARKS : 40

DO NOT OPEN THIS QUESTION PAPER-CUM-ANSWER BOOKLET UNTIL ASKED TO DO SO

GENERAL INSTRUCTIONS

1. **The duration of the test is 45 minutes.**
2. **ANSWER ALL QUESTIONS.** There shall be no negative marks.
3. **Answers are to be marked using ✓ mark against the most appropriate option among the options provided in the Question Booklet using BALL POINT PEN.**
4. Rough work, if any, is to be done on space provided in the Question Booklet only. No separate sheet will be provided for rough work.
5. **Calculators, Mobile, Electronic items etc., are not permitted inside the examination hall.**
6. Candidates seeking, receiving and /or giving assistance during the test will be disqualified.
7. The right to exclude any question (s) from final evaluation rests with CSL.
8. Do not seek any clarification on any item in the Question Booklet. Use your judgment.
9. **At the end of the test, please put your signature on all pages in the space provided in the Question Booklet.**

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Please fill in the following details using ball point pen.

Name of Candidate	
Registration No.	
Name of Post	
Signature of candidate	
Signature of invigilator	

**THIS QUESTION PAPER-CUM-ANSWER BOOKLET SHOULD BE HANDED OVER
TO THE INVIGILATOR ON COMPLETION OF THE TEST**

PHASE I

OBJECTIVE TYPE TEST : ASSISTANT MANAGER (DESIGN -INFORMATION TECHNOLOGY)

1. Which company has the tagline of "**Slightly ahead of its time**"?
 - a) YouTube
 - b) The Daily Telegraph
 - c) Lehman Brothers
 - d) **Panasonic**

2. The average age of 10 students and their teacher is 15 years. The average age of the first seven students is 15 years and that of the last three is 11 years. What is the teacher's age?
 - a) 33 years
 - b) 30 years
 - c) **27 years**
 - d) 24 years

3. If $5^a = 625$, then the value of $5^{(a-2)}$ is ?
 - a) 5
 - b) **25**
 - c) 125
 - d) 625

4. The price of cooking oil has increased by 25%. By what percent should a family reduce the consumption of cooking oil so as not to increase the expenditure in this account?

a) 20%

b) 25%

c) 18%

d) 16%

5. Choose the alternative, which best expresses the meaning of the Idiom/Phrase:-

The trial made a mockery of justice.

a) It was mock trial

b) There was no serious outcome

c) People mocked at the judgment

d) Made the system look ridiculous

6. In question given below, a part of the sentence is italicised and underlined. Below are given alternatives to the underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option '**No improvement**' may be chosen as the answer.

I *have lived* in Delhi since I was four.

a) No improvement

b) had lived

c) am living

d) lived

7. In question below, the passage consists of six sentences. The first and sixth sentences are given in the beginning. The middle sentences in each have been removed and jumbled up. These are labelled as P, Q, R and S. Find out the proper order for the four sentences.

S1: Kolkata unlike other cities, has kept its trams.

P : As a result, there is horrendous congestion.

Q : It was going to be the first in South Asia.

R : They run down the centre of the road.

S : To ease it, the city decided to build an underground railway line.

S6: The foundation stone was laid in 1972.

a) RPSQ

b) PQSR

c) PRQS

d) QPSR

8. Following question is related to **Assertion** and **Reasoning**. Click the most appropriate answer.

A : Subcontinent teams prefer to hire foreign coaches for their teams.

R : Foreign coaches are very competitive in their approach.

a) Both A and R are true and R is the correct explanation of A.

b) Both A and R are true but R is not the correct explanation of A.

c) A is true but R is false.

d) A is false but R is true.

9. Study the following information carefully and answer the question given below. Here are some of the words translated from an artificial language.

If *robbhood* means next generation

hoodgough means generation proud

goughspur means proud nation

Which word means **proud**?

a) robb

b) hood

c) gough

d) spur

10. Which country has received the green signal to start working on the construction of the world's first tunnel, being built exclusively for ships?

a) Singapore

b) Malaysia

c) England

d) Norway

11. Which of the following is not a Line Constructors Function in Enterprise Knowledge Language?

a) lineangle

b) mainnormal

c) linetangent

d) lineparallel

12. Which of the following app roles is required in 3D Experience to do Piping Systems 3D Modelling?

a) SEF

b) ELG

c) FLG

d) EQE

13. Which of the following is not a Task type in OOTB project management app of 3D Experience platform?

a) Phase

b) Gate

c) Milestone

d) Baseline

14. What is the full form of CAA in the context of 3D Experience platform ?

a) Computer Aided Application

b) Component Application Architecture

c) CATIA Application Architecture

d) C++ Aided Application

15. Which of the following is a ENOVIA Role in 3D Experience Platform ?

- a) Structure Functional Analysis Engineer
- b) Design Review Manager
- c) Project Manager
- d) Visual Experience Designer

16. Which of the Following is not a 3D Experience Server Platform Service ?

- a) 3DPassport TomEE+
- b) 3DSpace Index
- c) 3Dxml TomEE+
- d) 3DComment TomEE+

17. Which of the following apps are used in 3D Experience for piping component creation?

- a) Functional Part Design
- b) Piping & Tubing 3D Part Design
- c) Fluid Design Essentials
- d) Engineering Specification

18. Which of the following app is used in 3D Experience for defining the ships Frames and Longitudinals ?

- a) Space Referential
- b) Space Usage
- c) Space Allocation
- d) Structure Functional Design

19. Which of the following app roles is required in 3D Experience to do Electrical Systems 3D Modelling ?

- a) IFW
- b) ELG
- c) EWK
- d) EQE

20. Which of the following app role is required in 3D Experience for Data Model Customisation ?

- a) FLG
- b) TXO
- c) DPM
- d) KHC

21. What is the full form of UDF in 3D Experience platform ?

- a) User Defined Feature
- b) User Designed Feature
- c) User Defined Function
- d) User Designed function

22. Which of the following is not a Plane Constructors Function in Enterprise Knowledge Language ?

- a) planeangle
- b) planemean
- c) planecenter
- d) planenormal

23. Which of the following user credentials has the access right to import 3dxml files into the 3D Experience Platform?

- a) Reader
- b) Owner
- c) Leader
- d) Author

24. Which of the following is a CATIA Role in 3D Experience Platform ?

- a) Heavy Industry Structure Manufacturer
- b) System Schematic Designer
- c) Structural Analysis Engineer
- d) Design Review Manager

25. Which of the following app role is required in 3D Experience for Creating Actions & Rules ?

- a) FFS
- b) KHC
- c) PDE
- d) SPI

26. The five items: A, B, C, D and E are pushed into a stack, one after the other starting from A. The stack is popped four times and each element is inserted in a queue. The two elements are deleted from the queue and pushed back on the stack. Now one item is popped from the stack. The popped item is

- a) A
- b) B
- c) C
- d) D

27. Which of the following is false?

- a) A serial search begins with the first array element
- b) A serial search continues searching, element by element, either until a match is found or until the end of the array is encountered
- c) A serial search is useful when the amount of data that must be searched is small
- d) For a serial search to work, the data in the array must be arranged in either alphabetical or numerical order

28. Among which of the following options, can items be inserted arbitrarily and from which only the smallest item can be removed ?

- a) FIFO queue
- b) LIFO queue
- c) Ascending priority queue
- d) Descending priority queue

29. The algorithm design technique used in the quick sort algorithm :

- a) Dynamic programming
- b) Back tracking
- c) Divide and conquer
- d) Greedy method

30. To obtain better memory utilization, dynamic loading is used. With dynamic loading, a routine is not loaded until it is called for. For implementing dynamic loading

- a) Special support from hardware is essential
- b) Special support from operating system is essential
- c) Special support from both hardware and operating system are essential
- d) User programs can implement dynamic loading without any special support from the operating system or the hardware

31. Trigger is a

- a) Statement that enables to start any DBMS
- b) Statement that is executed by the user when debugging an application program
- c) Condition the system tests for the validity of the database user
- d) Statement that is executed automatically by the system as a side effect of a modification to the database.

32. Attributes listed in the private area of a class declaration

- a) must be initialised by a constructor
- b) cannot be accessed by friend functions
- c) can be used by all methods of this class
- d) are available to any derived classes

33. Technical documentation is required to

- a) aid reusability
- b) make software run faster
- c) provide user instructions
- d) decrease development time

34. Trojan-Horse programs

- a) Are legitimate programs that allow unauthorised access
- b) Are hacker programs that do not show up on the system
- c) Really do not work
- d) Usually are immediately discovered

35. What is the output of this program?

```
#include < iostream >
using namespace std;
int main ()
{
    int i;
    cout << "Please enter an integer value: ";
    cin >> i + 4;
    return 0;
}
```

- a) 0
- b) your value + 4
- c) Error
- d) None of the mentioned

36. What is the full form of MQL in the context of 3D Experience platform ?

- a) Machine Query Language
- b) Matrix Query Language
- c) Multi Query Language
- d) Member Query Language

37. Which of the following is not a App in the Platform Manager Role in 3D Experience Platform ?

- a) 3DPassport Control Center
- b) Collaborative Spaces Control
- c) Collaborative IP Management
- d) Enterprise Control Center

38. Which of the following apps in 3D Experience is indicated by the Triagram MFM ?

- a) Heavy Industry Assembly Planner
- b) Heavy Industry Structure Manufacturer
- c) Heavy Industry Process Planner
- d) Heavy Industry Fluidic Manufacturer

39. Which of the following header files must necessarily be included to use dynamic memory allocation functions?

a) **stdlib.h**

b) stdio.h

c) memory.h

d) dos.h

40. In the directive, #pragma pack(n), which of the following is not a valid value of n?

a) 1

b) 2

c) **3**

d) 4
