

Roll No																				
---------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF INFORMATION SCIENCE  
MID TERM EXAMINATION - APR 2023**

**Semester :** Semester VI - 2022 - 23 - BCA AR-VR - 2020

**Course Code :** CSA3053

**Course Name :** Sem VI - CSA3053 - 3D and Vr Workflows and Theories

**Program :** BCA AR-VR

**Date :** 12-APR-2023

**Time :** 11:30AM - 01:00PM

**Max Marks :** 60

**Weightage :** 30%

**Instructions:**

- (i) Read all questions carefully and answer accordingly.
- (ii) Question paper consists of 3 parts.
- (iii) Scientific and non-programmable calculator are permitted.
- (iv) Do not write any information on the question paper other than Roll Number.

**PART A**

**ANSWER ALL THE QUESTIONS**

**(10 X 1 = 10M)**

1. File format which is not supported by Maya is  
a) obj (CO1) [Knowledge]  
b) fbx  
c) dxf  
d) 3ds
2. SolidWorks belongs to \_\_\_\_\_ category.  
a) CAD (CO1) [Knowledge]  
b) CAID  
c) Both  
d) none
3. CSG is normally used by \_\_\_\_\_  
a) Shell Modeling (CO1) [Knowledge]  
b) Solid Modeling  
c) Both A and B  
d) None of the above
4. Expand CSG  
a) Completed Solid Geography (CO1) [Knowledge]  
b) Constructive Solid Geometry  
c) Constructive Solid Geometry  
d) None of the above
5. Polygon meshes is an example of \_\_\_\_\_  
a) Shell Modeling (CO1) [Knowledge]  
b) Solid Modeling  
c) Either A or B  
d) Neither A nor B

6. \_\_\_\_\_ only represents the surface of an object (CO1) [Knowledge]
- Solid Modeling
  - Shell Modeling
  - Either A or B
  - Neither A nor B
7. \_\_\_\_\_ modeling defines rules that repeatedly can produce more details and create finer models (CO1) [Knowledge]
- grammar-based
  - Shell Modeling
  - solid modeling
  - Data driven modeling
8. \_\_\_\_\_ is the process of creating data algorithmically instead of manually (CO1) [Knowledge]
- Data driven modeling
  - procedural modeling
  - Shell modeling
  - Solid modeling
9. Microsoft launches \_\_\_\_\_, a subscription service for online multiplayer gaming popularized through its Halo Series. (CO1) [Knowledge]
- Xbox live
  - playstation
  - mega drive
  - Console
10. Minecraft is released in a public beta in (CO1) [Knowledge]
- 2010
  - 2007
  - 2011
  - 2008

### PART B

#### ANSWER ALL THE QUESTIONS

(5 X 6 = 30M)

11. Discuss the various modeling methodologies available for workflow. (CO2) [Comprehension]
12. Discuss the various applications of 3D Modeling (CO1,CO2) [Comprehension]
13. Explain (CO1) [Comprehension]
- Static Modeling
  - Scanning
14. Explain the 6 rules followed by Kanban Methodology (CO2) [Comprehension]
15. Discuss how mobiles played the major role in the revenue returns in the game industry. (CO2) [Comprehension]

### PART C

#### ANSWER ALL THE QUESTIONS

(2 X 10 = 20M)

16. Compare AR, VR, MR (CO1,CO2) [Application]
17. Discuss about incremental and evolutionary changes adapted in Kanban method with suitable examples. (CO2,CO1) [Application]