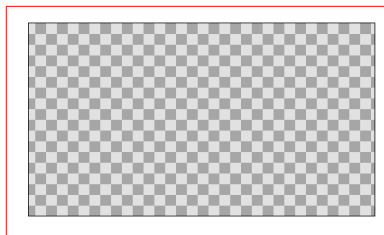## STANDARD X INFORMATION TECHNOLOGY

UNIT 9 : MOVING IMAGES

THEORY QUESTIONS AND ANSWERS

1)   Who is the creator of the software SynfigStudio?

- ➢ Ada Byron
- ➢ Charles Babbage
- ➢ Richard Stallman
- ➢ **Robert B Quattelbaum**

2) Which is an open source software that can be used for making animations?

- ➢ Adobe flash
- ➢ Anime studio
- ➢ Toon Boon
- ➢ **Synfig Studio**

3) Which is an open source software that can be used for making animations?

- ➢ Toon Boon
- ➢ **Tupi:Open 2D Magic**
- ➢ Adobe Flash
- ➢ Anime Studio

4) Which among the following is different from others?

- ➢ Adobe Flash
- ➢ Toon Boom
- ➢ **Pencil**
- ➢ AnimStudio

5) A part of the window of Synfig Studio is shown below. What is its name ?

- ➢ Time track
- ➢ Toolbar

➢ Parameters

➢ **Canvas**

6) Which technique can be used to add svg images prepared in Inkscape to Synfig Studio?

➢ Export

➢ Open

➢ **Import**

➢ Render

7) Which tool can be used to run the animation prepared in Synfig Studio?

A.   B.   C.   D.

8)

	Smooth Move Tool		....
	Gradient Tool		Fill Tool

There are some tools of Synfig Studio and its descriptions in the table. Find out the missing part from those given below.

➢ **Circle Tool**

➢ Transform Tool

➢ Scale Tool

➢ Rotate Tool

9) Which is a project file of Synfig Studio in the options given below ?

➢ Star.svg

➢ Star.jpg

➢ **Star.sifz**

➤ Star.ogg

10) Which is the tool use to give back ground by blending two colours?

➤ **Gradient Tool**

➤ Transform Tool

➤ Scale Tool

➤ Star Tool

11)   Which tool in File menu can be used to export animation projects to video in Synfig Studio?

➤ Export

➤ **Render**

➤ Revert

➤ Preview

12)   What do we name the first frame and the last frame when an animation is completing through Tweening technique in Synfig Studio?

➤ Motion Tween

➤ **Key Frames**

➤ Parameters

➤ Interpolation

13) What is the name of each image that prepares in Synfig Studio in the given options?

➤ **Objects**

➤ Animations

➤ Scenes

➤ Parameters

14) Which tool can be used to prepare back ground in Synfig Studio Canvas ?

➤ Text Tool

➤ Scale Tool

➤ **Rectangle Tool**

➤ Smooth Move Tool

15) What is the benefit of including each object in each layer in Synfig Studio ?

➤ Easy to save.

- **Can give animation to each object.**
- Easy to render.
- Easy to import.

16) Which tool can be used to change the position, size, shape etc of a star   drawn in Synfig Studio Canvas ?

- Circle Tool
- **Transform Tool**
- Gradient Tool
- Rectangle Tool

17) Each object in Synfig Studio is arranged in each layer. In which panel are the details of objects displayed ?

- In parameter panel
- In tool box
- **In layers panel**
- In time track

18) What does this picture in parameters panel in Synfig Studio denote?

- Start Animation
- Delete Key Frame

- **Add New Key Frame**
- Preview.

19) What is the first step to give animation to the images drawn in Synfig Studio?

- **Put Animate edit mode On**
- Put Animate edit mode Off
- Import file
- Render file

20) Software can complete all frames if the first and the last frames are decided to give animation in Synfig Studio. What is the name of this technique?

- **Tweening**
- Frame Per Second

- ➢ Render
- ➢ Preview

21) FPS if an abbreviation related with films.
   What does it stand for ?

- ➢ The number of scenes in a second.
- ➢ The number of characters in a second.
- ➢ Total number of frames of in an animation.
- ➢ **The number of frames in a second.**

22) Which technique in mathematics helps Tweening in Synfig Studio?

- ➢ Fraction
- ➢ **Interpolation**
- ➢ Interaction
- ➢ Persistence of Vision

23) In Synfig studio, Ajith is giving animation to a bird that moves from one side of the canvas to the other in10 seconds. What is the final key frame in   this animation, if the FPS is set to 12?

- ➢ 24 th frame
- ➢ 48 th frame
- ➢ **120 th frame**
- ➢ 60 th frame

24) Animation works by using an optical Illusion called.......................

- ➢ **Persistence of vision**
- ➢ The range of perspective
- ➢ Perspective angle
- ➢ Perspective

25) Which of the following methods can be used to Insert Images [with png/svg formats] in Synfig Studio Software.
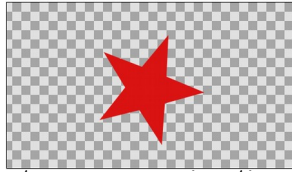
- ➢ File → Open
- ➢ **File → Import**
- ➢ Insert → Image
- ➢ Insert → Bitmap

SHORT ANSWER TYPE QUESTIONS

1) Select two tools in tool box in Synfig Studio from the options given below.

➢ **Star Tool**

➢ Edit paths by nodes

➢ Draw bezier curves and straight lines

➢ **Transform Tool**

➢ Draw calligraphic or stroke

2) What activities can be done using Transform tool in tool box in Synfig Studio ?

➢ **To change the position of objects**

➢ To colour the objects

➢ **To change the shape of objects**

➢ To export animation

➢ To give tweening to animations

3) Select correct statements about Synfig Studio from the given sentences.

➢ All objects will be displayed in parameters panel.

➢ **Layers are displayed in layers panel .**

➢ Layers are displayed in parameters panel.

➢ **Layers in pane can be rearranged and changed.**

➢ New layers can't be created.

4) Some tools in Synfig Studio and its name are displayed in the picture. Fill in the blanks from below.

➢ Text Tool

➢ Star Tool

➢ **Rectangle tool**

➢ SmoothMove Tool

➢ **Fill Tool**

Tool	Name
↖	Transform
▢	....
◯	Circle
🖌	....

5) Select tools to colour canvas in Synfig Studio from the options given below.

➢ Smooth Move Tool

➢ **Gradient Tool**

➢ Transform

- ➢ Circle tool
- ➢ **Fill Tool**

6)

An image drawn to prepare animation of stars in Synfig Studio is shown above. Which are the tools used here ?

- ➢ Circle Tool
- ➢ **Fill Tool**
- ➢ Text Toolis
- ➢ **Star Tool**
- ➢ Rectangle Tool

7) Select two correct statements related with making of animation.

- ➢ **Synfig Studio is a 2D animation software.**
- ➢ Synfig Studio is a 3D animation software.
- ➢ **Animations are created when the images are moved speedy and continuous**
- ➢ Animation can't be done by imported still images.
- ➢ There is no system to control the speed of movement when it is animated

8) Select two correct statements about the layer in Synfig Studio.

Layer system help to animate each object.

All objects will be in one layer.

All layers are lost when an object is removed.

It is needed to remove only a layer if an object is to be removed.

Only a layer will be displayed when it previews.

9) Select two correct statements about Synfig Studio from the given sentences.

- ➢ **The animations prepare in Synfig Studio can export to gif format.**
- ➢ **The extension of the project files in Synfig Studio will be .sifz**
- ➢ The animations prepare in Synfig Studio can't export to video formats.
- ➢ The animations prepare in Synfig Studio can only export to flv format.
- ➢ The animations prepare in Synfig Studio can only export to mpeg format.

10) .birds.sifz and bird.dv are two types of files created using Synfig studio software. Find two true statement related to this.

➢ **bird.sifz is the file saved a project file.**

➢ bird.sifz is the file exported as a video file.

➢ bird.dv is the file saved as the project file.

➢ bird.sifz is the file exported as sound file

➢ **bird.dv is the file exported as the video file.**