

**BACHELOR OF ARTS IN 3D ANIMATION AND
VISUAL EFFECTS**

Term-End Theory

01118

December, 2013

BNM-002 : CASE STUDIES

Time : 3 hours

Maximum Marks : 100

Note : Attempt all questions.

**The following section has objective questions.
Please tick the right answers. Each question
carries 2 marks.**

1. In fusion 3d objects can be rendered with lighting through camera.
 - (a) True
 - (b) False

2. What is important in a footage for camera tracking in PFTrack ?
 - (a) Parallax
 - (b) Grains
 - (c) Fields

3. Which distortion node requires a separate node for distorting the pixels ?
 - (a) Displace
 - (b) Dent
 - (c) Drip

4. Which mask node doesn't have a vertex to distort the shape ?
 - (a) Ellipse
 - (b) Rectangle
 - (c) Triangle

5. Saver nodes can't render. tga files to hard disk.
 - (a) True
 - (b) False

6. In PFTrack user feature what is R+
 - (a) Remove from this frame and forward
 - (b) Apply from this frame and forward
 - (c) Reserve the frame and forward

7. Red color in the tracked information indicates
 - (a) Bad Tracking
 - (b) Good Tracking
 - (c) Intermediate Tracking

8. Match move and camera tracking is possible in one footage by _____ .
 - (a) Solving them separately in two files
 - (b) Creating two groups in a single file
 - (c) Cannot be solved

9. Which of the following camera movement doesn't have parallax ?
 - (a) Pan
 - (b) Zoom in/Zoom out
 - (c) Change in Position

10. Focal length can be detected in PFTrack by the option
 - (a) Estimate Focal Length
 - (b) Test Object
 - (c) Scene Orientation

11. PFTrack has the option to display horizon line in any footage
 - (a) True
 - (b) False

12. To slow down the speed in particles which node is applied ?
 - (a) pBounce
 - (b) pDirectional Force
 - (c) pFriction

13. Which node changes the resolution of an image ?
 - (a) Resize
 - (b) Transform
 - (c) Reformat

14. Which node displace the pixels from their position with respect to a map provided ?
 - (a) Displace
 - (b) Displacement map
 - (c) Distort

15. The extension of a PFTrack file is _____ .
 - (a) .ptp
 - (b) .pft
 - (c) .pf

16. Which of the below is a test object in PFTrack ?
- (a) Mushroom
 - (b) Rat
 - (c) Fungi
17. In Fusion the 3D shapes can be displaced with a map.
- (a) True
 - (b) False
18. Animated curves can be adjusted in _____ editor.
- (a) Spline
 - (b) Console
 - (c) Flow
19. The Blur node can be enabled for _____ channels.
- (a) R
 - (b) R,G,B,A
 - (c) A
20. Which of them is not a filter in Softglow node ?
- (a) Box
 - (b) Gaussian
 - (c) Lens
21. Histogram can be seen in _____ node in fusion.
- (a) Color Corrector
 - (b) Blur
 - (c) Color Space

22. Which node doesn't convert a colored image into grayscale ?
- (a) Color correct
 - (b) Color space
 - (c) White balance
23. In camera projection which camera setting is preferred ?
- (a) Perspective
 - (b) Orthographic
 - (c) None of the above
24. Which node can create a black to white ramp ?
- (a) BG
 - (b) Saver
 - (c) DaySky
25. Which node clones the objects in array form ?
- (a) Copy
 - (b) Duplicate 3D
 - (c) Merge 3D
26. Coordinate system once set in PFTrack can't be adjusted.
- (a) True
 - (b) False
27. After importing a footage in PFTrack _____ option is used to adjust the color values.
- (a) Manipulate
 - (b) Field
 - (c) Object Track

28. Which node creates a fake 3D rotation in fusion ?
- (a) Merge 3D
 - (b) DVE
 - (c) Crop
29. The custom test object can be imported to PFTrack in _____ format.
- (a) .xml
 - (b) .obj
 - (c) .3ds
30. It is possible to import multiple footages in one project file in PFtrack.
- (a) True
 - (b) False

Answer the below questions. Each question carries 10 marks.

1. What is the importance of test objects in PFTrack ? Is it possible to use custom test objects in PFTrack ? Explain the procedure.
 2. Describe the use of Color Corrector node. Mention its 5 different functions.
 3. Describe the procedure to create a fire with Fusion Particles.
 4. What is the difference between 2D tracking and 3D tracking ?
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