No. of Printed Pages: 8

**BNM-002** 

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

## **Term-End Theory Examination**

December, 2014

01380

**BNM-002: CASE STUDIES** 

Time: 3 hours Maximum Marks: 100

(Weightage 100%)

Note: Attempt all questions.

The following section has objective type questions. Choose the correct answer. Each question carries 2 marks :

- 1. Which mask node can create an open shape in Fusion?
  - (a) Ellipse
  - (b) Polygon
  - (c) Rectangle
- 2. Which statement is true for Crop tool?

2

2

- (a) Crop tool changes the resolution of the image.
- (b) Crop tool changes the rotation of the image.
- (c) Crop tool changes the scale of the image.

P.T.O.

3.	Noo par	dal Pan Camera motion doesn't gives a rallax.	2
	(a)	True	
	(b)	False	
4.	Оре	enEXR format was developed by	2
	(a)	Pixar	
	<b>(b)</b>	ILM	
	(c)	DD	
5.	jpg	format is capable to store RGBA channel.	2
	(a)	True	
	(b)	False	
6.	The part	tool is used to destroy any icle that crosses or intersects its region.	2
	(a)	ParticleKill	_
	(b)	ParticleTurbulence	
	(c)	ParticleFlock	
7.	The eithe	converts the particle system to r an image or geometry.	2
	(a)	pBounce tool	
	(b)	pKill tool	
	(c)	pRender tool	
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8.		wrap effect can be created using Matte	2
	(a)	True	
	(b)	False	
9.		n statement is <i>false</i> for Resize tool?	2
	(a)	Increase or decrease the resolution of an input image.	
	(b)	Scale the input image.	
	(c)	Control the rotation of the input image.	
10.	3D pa 2D in	article system always requires to produce a nage using node.	2
	(a)	pRender	
	(b)	Render	
	(c)	3D Render	
11.	as a	pSpawn tool makes each affected particle act n emitter that can produce one or more cles of its own.	2
	(a)	False	
	(b)	True	
12.	Whic	ch statement is true?	2
	(a)	The DVE tool encompasses image rotations, perspective changes and Z moves.	
	(b)	The Transform tool encompasses image rotations, perspective changes and Z moves.	
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10	• 111 . ——		2	
	(a)	Estimate Focal Length	_	
	(b)	Test Object		
	(c)	Scene Orientation		
14.	nun	PFTrack, candidate numbers define the observation of candidate trackers to generate for a frame.	2	
	(a)	True		
	(b)	False		
15.		is an important term in any		
	trac	king software.	2	
	(a)	Flat		
	(b)	Parallax		
	(c)	Clip		
16.		node can be used to estimate era motion using a set of feature tracks in		
	PFTrack.			
	(a)	Build Lens	_	
	(b)	Camera Solver		
	(c)	Edit Camera		

17.	The C	Samera Solver can be run in the background on the Solve All button.	2
	(a)	Alt - Clicking	
	(b)	Alt + Shift – Clicking	
	(c)	Shift - Clicking	
18.		ustive parameter increases overall solving ss time.	2
	(a)	False	
	(b)	True	
19.		Build Lens node can be used to construct a	
		model from multiple images of a	0
	in PF	Track.	2
	(a)	Circle grid	
	(b)	Calibration grid	
	(c)	Line grid	
20.	The	Geometry Track node can be used to track object using a triangular mesh in	
	PFT	rack.	2
	(a)	static	
	(b)	moving	
	(c)	point	
21.	In o	bject tracking process, Geometry Track node ports file formats.	2
	(a)	,OBJ	
	(b)	,MAX	
	(c)	.MA	
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ZZ	• Use	r leature in PFTrack cannot be used for	0
	(a)	object track	2
	(b)	manual track	
	(c)	masking	
23.	The	node allows a geometric model	
		inserted into the scene to test quality of the	
	came	era track.	2
	(a)	Camera Solver	
	(b)	Test Object	
	(c)	Merge Camera	
24.		is able to export cameras, ters and moving objects from the PFTrack ware.	2
	(a)	Export Node	
	(b)	Camera Solver	
	(c)	Test Object	
25.	The backg	node is able to swap the ground clip with another clip.	2
	(a)	Input Footage	_
	(b)	Raw Footage	
	(c)	Replace Footage	
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26.	node i	can be removed by using Undistort in PFTrack.	2
	(a)	Barrel distortion	
	(b)	Triangle distortion	
	(c)	Point distortion	
27. Coordinate system once set in PFTrack, can adjusted in 3D application.			2
	(a)	True	
	(b)	False	
28.	Short	tcut of video playback in PFTrack is	2
	(a)	Shift + A	
	(b)	Spacebar	
	(c)	Enter	
29.	The	is very helpful when complex	
		ge modifications such as lens distortion or ag shutter fixes are used.	2
		Cache node	
		Test Object node	
	(c)	Camera Solver node	
30.	Fran	ne Rate defines the number of frames per for the clip.	2
	(a)	second	
	(b)	minute	
	(c)	hour	
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Answer the following questions in brief. Each question carries 10 marks.

31.	Why do we use CG render passes in CG-live action integration? Explain Diffuse and Specular	
	Pass.	10
32.	Describe Camera match moving pipeline with flow chart for VFX shot.	10
33.	Explain Camera projection method using flow chart.	10
34.	Describe the importance of set extension in VFX with supporting compositing tools.	10