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SEAT No. :

**P964**

[Total No. of Pages : 2

**[5020] - 2001**  
**S.Y. B.Sc. (Semester-I)**  
**ANIMATION**  
**AN2101 : Value Education**  
**(2015 Pattern)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :*

- 1) All questions are compulsory.*
- 2) Draw neat & clean diagram wherever necessary.*

**Q1)** Answer the following questions.

**[10 × 1 = 10]**

- a) What do you mean by consumer awareness?
- b) What are ethics?
- c) What kind of service can you provide for our society?
- d) Mention two reasons value education is relevant in today's times.
- e) How does comparison and competition affect adolescent emotions?
- f) How can you build any value in yourself?
- g) Mention two ways of improving your self-esteem?
- h) What are the two types of a family?
- i) What are advertising ethics?
- j) What are the two uses of self-introspection.

**Q2)** Answer the following questions (any 2)

**[2 × 5 = 10]**

- a) What is meant by culture? What do you mean by globalization? Explain 3 points.
- b) What is a family? Explain 4 responsibilities (function) of a family.
- c) What do you mean by anger? Explain four ways in which you can neutralize your anger.
- d) What is meant by religion, faith and secularism. Explain 2 ways in which we can build mutual respect among religions.

**P.T.O.**

**Q3)** Answer the following questions (any two)

**[2 × 5 = 10]**

- a) What are professional ethics? Explain brief.
- b) What are the reasons for drug abuse & depression among adolescents?
- c) What is self-esteem? Explain two characteristics of people with low self esteem.
- d) Explain three problems faced by the elderly.

**Q4)** Answer the following questions (any 2)

**[2 × 5 = 10]**

- a) What is indoctrination? Explain four causes of terrorism.
- b) How has the status of women changed in India? What rights have been secured for women in the constitution of India?
- c) What are human values? Explain three values?
- d) What is politics? Write two points for & two points against "Students should participate in politics".



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SEAT No. :

**P965**

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**[5020] - 2002**  
**S.Y.B.Sc. (Semester-I)**  
**ANIMATION**  
**AN-2102 : 3D Production (Autodesk Maya)**  
**(2015 Pattern)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :*

- 1) *All questions are compulsory.*
- 2) *Figures to the right indicate full marks.*

**Q1)** Answer the following

**[10 × 1 = 10]**

- a) Full form of IK & FK
- b) What is short key to set key in maya?
- c) How to create bones in maya?
- d) How to change FPS in maya?
- e) Short key for grouping?
- f) What is outliner?
- g) How to change pivot-point in maya?
- h) How to change time range in maya.
- i) State any two types of renderers in maya.
- j) State any two lights in maya.

**Q2)** Answer the following any two

**[2 × 5 = 10]**

- a) Explain rigging in maya
- b) Explain Ngons in maya.
- c) Describe project window in maya.
- d) What is pole vector? How to create it.

**P.T.O.**

**Q3)** Answer the following any two

**[2 × 5 = 10]**

- a) Explain process & use of playblast.
- b) What is cylindrical mapping?
- c) What is MEL? Explain its importance.
- d) What is the role of insert edge loop tool?

**Q4)** Answer the following any two

**[2 × 5 = 10]**

- a) How to create flag using cloth in maya?
- b) Short note on render passes.
- c) What is displacement mapping?
- d) Explain following terms
  - i) Remove Joint
  - ii) Connect Joint
  - iii) Disconnect Joint
  - iv) Mirror Joint



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**P966**

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**[5020] - 2003**  
**S.Y.B.Sc. (Semester-I)**  
**ANIMATION**  
**AN-2103 : Graphics Art**  
**(2015 Pattern)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :*

- 1) *All questions are compulsory.*
- 2) *Draw diagram wherever necessary.*

**Q1)** Answer the following questions.

**[10 × 1 = 10]**

- a) What is the command to make compound path?
- b) Name the selection tools in Adobe in design?
- c) What is the short cut key for "selection tool"?
- d) What is the short cut key to open "stroke panel"?
- e) What is the short cut key to open "links panel"?
- f) "/" is the shortcut key for \_\_\_\_\_ tool?
- g) What is the shortcut key for "Giyph"?
- h) Name the transformation tools in Adobe in design?
- i) What is the shortcut key for "Pen Tool"?
- j) What is the shortcut key for "Free Transform Tool"?

**Q2)** Answer the following questions (Any 2)

**[2 × 5 = 10]**

- a) Explain difference between rectangle frame & rectangle tool?
- b) How to add place holder text in rectangle frame?
- c) Explain
  - i) Direct selection tool.
  - ii) Eye dropper tool.
  - iii) Scissor tool.
- d) Explain "Arrange" command & give shortcut key?

**P.T.O.**

**Q3)** Answer the following questions (any two) **[2 × 5 = 10]**

- a) How to create a "transparency mask". Explain the process.
- b) Explain pencil & line tool.
- c) What is the use of links panel?
- d) What are modification and navigation tool? Name & Explain

**Q4)** Answer the following questions (any 2) **[2 × 5 = 10]**

- a) Explain bevel & Emboss, Gradient feather?
- b) How to make a print ready file in Adobe in design?
- c) Explain grids & Guides.
- d) What is master page? How is it useful



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**P967**

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**[5020] - 2004**  
**S.Y.B.Sc. (Semester-I)**  
**ANIMATION**  
**AN-2104 : Multimedia Systems**  
**(2015 Pattern)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :*

- 1) *All quesitons are compulsory.*
- 2) *Draw neat diagrams wherever necessary.*

**Q1)** Answer the following questions.

**[10 × 1 = 10]**

- a) Define hyper text and hypermedia.
- b) What is analog signal?
- c) Write the abbreviation of FDDI and ISDN.
- d) Write the application of multimedia.
- e) Define NTSC and PAL.
- f) What is ADC?
- g) List the name of audio and video formats.
- h) Name the type of color mode.
- i) What is iuminance and chrominance?
- j) Write the abbreviation of MIDI.

**Q2)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) What is mean by masking of sound?
- b) What is MPEG and state and explain its types.
- c) Define wave form and period.
- d) Write a note on sensors for TV cameras.

**P.T.O.**

**Q3)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) Write a note on color fundamentals.
- b) Describe the elements of multimedia.
- c) Write a note on track mode and object mode.
- d) Define the following
  - i) Multimedia.
  - ii) Hypertext
  - iii) Compression
  - iv) Color fundamental

**Q4)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) Explain multimedia on map.
- b) Explain aspect ratio with diagram.
- c) Write a note on musical instrument synthesizers.
- d) Write a note on MIDI devices.





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**P968**

[Total No. of Pages : 2

**[5020] - 2005**

**S. Y. B.Sc. (Animation)**

**(AN : 2105) ANIMATION TECHNIQUES - I**

**(2015 Pattern) (Semester - I)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :-*

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Figures to the right indicate full marks.*
- 3) *All questions are compulsory.*

**Q1)** Answer the following question.

**[10 × 1 = 10]**

- a) What is a Surface Gauge?
- b) What is chroma key?
- c) What are the types of lights in a standard lighting set - up?
- d) What are the different types of clay usually used for Animation?
- e) What is even spacing in Animation Principle?
- f) What are clay puppets?
- g) What is an armature?
- h) What is meant by special effects?
- i) Name the different types of Film Genre?
- j) What steps are taken to secure the sets?

**Q2)** Answer the following questions (any 2) :

**[2 × 5 = 10]**

- a) Explain basic compositing techniques?
- b) Explain the different types of visual effects?
- c) Explain the techniques of Masking.
- d) Explain the equipment use for clay mation?

**P.T.O.**

**Q3)** Answer the following questions (any 2) :

**[2 × 5 = 10]**

- a) Explain the term shooting on 2's and 3's.
- b) Explain the different stages of building the puppet.
- c) Explain the creature effects?
- d) Explain the Zeotrope?

**Q4)** Answer the following questions (any 2) :

**[2 × 5 = 10]**

- a) Illustrate pose to pose animation by showing a pitcher pitch on the base ball mound.
- b) What are transitions? Explain there use?
- c) Explain the different types of Camera Angle?
- d) Explain matte painting?



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SEAT No. :

**P969**

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[5020] - 2006

**S. Y. B.Sc. (Animation)**

**AN - 2106 : PRODUCTION PROCESS**

**(2015 Pattern) (Semester - I)**

*Time : 2 Hours]*

*[Max. Marks : 40*

*Instructions to the candidates :-*

- 1) *All questions are compulsory.*
- 2) *Draw neat diagrams, wherever necessary.*

**Q1)** Answer the following questions.

**[10 × 1 = 10]**

- a) What is Script writing for movie?
- b) Define Aspect ratio.
- c) What is Expression?
- d) What is Dynamic shot?
- e) Define Frame.
- f) Give the difference between scence and shot.
- g) What is Panning?
- h) What is an animatic?
- i) What is character bible?
- j) What is Plot?

**Q2)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) Write requirement for screenplay format.
- b) Write a short note on staging.
- c) Illustrate and explain any 2 camera shots.
- d) Explain character model sheets for 2D and 3D animation.

**P.T.O.**

**Q3)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) How to write dialogues?
- b) Write a concept of pan shots.
- c) What is layout? Why they are used?
- d) What does three panal storyboard look like? Illustrate.

**Q4)** Attempt any two of the following.

**[2 × 5 = 10]**

- a) Write a short note on Camera movement.
- b) What is concept art? Why it is necessary?
- c) What is the Hollywood formula? Explain.
- d) Explain terms F.G., M.G. and B.G.

