

**C-7413**

**Sub. Code**

**83213**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**First Semester**

**Animation**

**INTRODUCTION TO VISUAL COMMUNICATION**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Visual communication.
2. Pragmatic.
3. Intrapersonal communication.
4. Secondary colors.
5. Visual illusion.
6. Connotation.
7. Digital media.
8. Public relation.
9. Cross cultural communication.
10. Mass media.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Outline the stages involved in interpersonal communication.

Or

- (b) State the merits of group and team communication

12. (a) Write short note on Dance's Helical model.

Or

- (b) Write short note on uses and gratification theory.

13. (a) Write a note on semiotics.

Or

- (b) Discuss about media convergence.

14. (a) Outline the various types of non verbal communication.

Or

- (b) List the process of developing ideas.

15. (a) State the principle of visual-sensory perception.

Or

- (b) Write about the influence of mass media in society.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain SMCR model in detail.

Or

- (b) State the importance of visual communication.

17. (a) Write the merits and demerits of gate keeping theory.

Or

(b) Explain in detail color psychology.

18. (a) Explain the functions of mass communication.

Or

(b) What are the pros and cons of Hypodermic Needle model?

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**C-7414**

**Sub. Code**

**83214**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**First Semester**

**Animation**

**FUNDAMENTALS OF ART**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Hatching
2. Geometric shapes
3. Linear perspectives
4. Vanishing point
5. Line of Action
6. Over Lapping
7. RYB
8. Secondary colours
9. Scale
10. Proportion

**Part B**

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write a short note on strokes and its types.  
Or  
(b) Compare Dots Vs Hatching.
12. (a) Discuss about the various perspective views.  
Or  
(b) Write a short notes :  
(i) Station point  
(ii) Picture plane.
13. (a) Mention the significance of cylindrical forms in drawing human figures.  
Or  
(b) Brief down the essentials of human figure drawing.
14. (a) Discuss about any five colour combination.  
Or  
(b) Comment your views about colour psychology.
15. (a) Write a short notes on tablets for digital drawing.  
Or  
(b) "Texture creates a visual interest for an object" – Comment.

**Part C**

(3 × 10 = 30)

Answer **all** the questions.

16. (a) Explain the various drawing techniques in art.  
Or  
(b) Distinguish between linear perspective and aerial perspective along with a diagram.

17. (a) Sketch few stick figures indicating various motions.

Or

(b) “Good character design requires good shape and proportion” Explain.

18. (a) Explain the color wheel and mention the various colour combinations.

Or

(b) “Recreating art requires understanding of scales and proportion” Justify.

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**C-7415**

**Sub. Code**

**83223/82823**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Second Semester**

**DESIGN STUDY**

**Common for B.Sc (Animation) B.Sc. (Game Art  
and Design)**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define – Achromatic.
2. List out the significance of Design.
3. What is cool colours?
4. What do you mean by colour contrast?
5. Define – raster graphics.
6. What do you mean by colour manipulation?
7. List out the different types of balance.
8. What is non-white space?
9. State the different stages of design process.
10. What are the needs of grid system?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Explain the characteristics of design.

Or

- (b) Discuss the importance of designer mind.

12. (a) Give a short note on attributes of colour.

Or

- (b) Explain about split compliments.

13. (a) Discuss about different types of graphics.

Or

- (b) Explain about vector graphics.

14. (a) Give a short note on usage of negative space.

Or

- (b) Differentiate between white and non-white space.

15. (a) Discuss the need of different part in page layout.

Or

- (b) Explain the knowledge of design process for designer.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Elaborate different qualities of designers.

Or

- (b) Describe the different challenges in designing.



17. (a) Distinguish between triads and tetrads.

Or

(b) Explain the need of spacing and alignment in designing.

18. (a) Describe about the different knowledge for designer.

Or

(b) Explain the crop and scale.

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**C-7416**

**Sub. Code**

**83224**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Second Semester**

**Animation**

**DIGITAL DESIGN TECHNIQUES**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. JPEG
2. Metafile
3. Image Restoration
4. Preprocessing
5. Object Detection and Recognition.
6. Computer Vision
7. Alignment
8. Pop Art
9. Virtual Museum
10. Generative art.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Define Vector Art.

Or

(b) What is rastering?

12. (a) Define morphological processing.

Or

(b) What is called as 8-bit color format?

13. (a) How Wavelet, a mathematical Function is useful to image compression process?

Or

(b) Define super-pixels.

14. (a) Explain the use of repetition in a design.

Or

(b) Will digital painting replace traditional painting?  
Explain the pros and cons of digital art.

15. (a) What is 3D painting?

Or

(b) Explain the importance of engraving in today's design industry.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on the different types of image file formats used in graphic design.

Or

- (b) Explain how the following digital illustrations are made?
- (i) Concept art
  - (ii) Commercial art
  - (iii) Fantasy
  - (iv) Fashion.

17. (a) Describe the key stages in digital image processing.

Or

- (b) Give a practical explanation to the difference between vector and raster image processing. Suggest some tools to process these images.

18. (a) Write an essay on visual contrast in graphic design and elaborate its applications and effectiveness.

Or

- (b) Write a brief history of modern graphic design from William Morris era.

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**C-7417**

**Sub. Code**

**83232**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Animation**

**ADVANCED ART FOR ANIMATION**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. What is Memory Sketch?
2. Define: Shifting Loyalties.
3. Mention any four Drawing Techniques.
4. What is 30 sec Action pose?
5. Define : Anatomy for art.
6. List out three main parts of muscular system.
7. What is Personality Art?
8. Define : Avatar.
9. What is Sketching?
10. Uses of Analytic Figure Drawing.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write a short note on Drawing from Memory.

Or

- (b) Elucidate : Portrait Drawing.

12. (a) Elaborate : Line of Action.

Or

- (b) Differentiate between Continuous Line vs Broken Line.

13. (a) Discuss about basic Animal Anatomy.

Or

- (b) Write a brief note on Axial and visceral skeleton.

14. (a) Write brief note on Animated Character Generator.

Or

- (b) Write a note on Avatar Creation.

15. (a) Write brief note on Graphic Sketch in Environment Design.

Or

- (b) Describe about Need of Story Board.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about Facial Expressions.

Or

- (b) Describe in details about Muscular System.

17. (a) Explain in detail about speed drawing Techniques.

Or

(b) Discuss about Finalizing Outlook with coloring.

18. (a) Explain in detail about Advanced Sketching.

Or

(b) Elucidate in detail about Study on clothing.

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**C-7418**

**Sub. Code**

**83233**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Animation**

**2D AND EXPERIMENTAL ANIMATION**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. Define 3D animation.
2. Write short note on traditional animation.
3. What is typography animation?
4. Write short note on cell animation.
5. Write short note on digital storytelling.
6. Define graphics.
7. Write short note on uncanny valley.
8. What is action in animation?
9. Write short note on timing.
10. List out any three 3D animation software.



**Part B**

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write brief note on legends of animation.

Or

- (b) Discuss about any master piece of animation production.

12. (a) Elaborate the data processing of digital animation.

Or

- (b) Write brief note on next-gen animation techniques.

13. (a) How does animation differs from other story telling mediums?

Or

- (b) Write brief note on traditional story telling methods.

14. (a) How to develop anthromorphic characters?

Or

- (b) Write brief note on body language and expressions.

15. (a) Explain any three principles of animation in brief.

Or

- (b) What is secondary action? How effective is it?

**Part C**

(3 × 10 = 30)

Answer **all** the questions.

16. (a) Write detail note on types of animations and methods with detail explanation.

Or

- (b) How will you generate stories and concepts for animated short film? Explain with suitable example.

17. (a) Illustrate the underlying principles of animation case study of any 2D animation film.

Or

- (b) Write script for any animated commercial by following basic animation principles.

18. (a) Animation production leads the media industry to another level: Discuss with your own exposure on Animation production.

Or

- (b) Next-Gen animation techniques are way better than traditional techniques: Justify.

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**C-7419**

**Sub. Code**

**83234**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Third Semester**

**Animation**

**FILM LANGUAGE AND APPRECIATION**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. Define film
2. What is syntax?
3. Define casting.
4. What is Rhythm Cut?
5. What is special effect?
6. What is Rough Cut?
7. Write short note on Screenplay writing.
8. Write the uses of Long shot.
9. What is scheduling?
10. What is Cinematography?

**Part B**

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write short note on film perception.

Or

- (b) Outline the concept of film language.

12. (a) Describe about framing.

Or

- (b) Differentiate between narrative form and non narrative form.

13. (a) Discuss about pre production.

Or

- (b) Write the importance of Direction.

14. (a) State the functions of film sound dubbing.

Or

- (b) Write a note on camera lighting.

15. (a) Why dubbing is more important?

Or

- (b) State the different types of storage format.

**Part C**

(3 × 10 = 30)

Answer **all** the questions.

16. (a) Explain in detail about the French new wave (1959-1964).

Or

- (b) Explain in detail the film theory and semiotics.

17. (a) Explain the steps involved in story development.

Or

(b) Elaborate on different types of lenses and its uses.

18. (a) Explain the different kinds of shots.

Or

(b) Explain in detail Camera Aperture, Camera shutter speed, Filters, Tele lenses and Depth of field.

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**C-7420**

**Sub. Code**

**83242**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fourth Semester**

**Animation**

**3D MODELING AND TEXTURING**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Cube
2. Plane
3. Matting
4. Geometric GIFs
5. Master Lighting.
6. Vertical and Horizontal light angle
7. UV mapping
8. Cartographic Design
9. Three-point lighting
10. Batch rendering

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) What is rigging?

Or

(b) Explain character modeling.

12. (a) Explain Draft sight.

Or

(b) What is called as skeleton deformation layer?

13. (a) Write a note on shadows.

Or

(b) Explain the situations for shot lighting.

14. (a) Define opacity in texturing.

Or

(b) What is the difference between normal and bump map?

15. (a) Define rendering.

Or

(b) What is Fresnel effect in 3D?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Differentiate 2D animation and 3D animation stages and processes.

Or

(b) What makes a good body mechanics shots? Explain the tips and tricks involved in it.

17. (a) Write an essay on the game environment and props creation in Maya.

Or

- (b) Explain the efficient cinematic lighting with animation lighting for movie productions.

18. (a) Explain the barriers in visualizing the errors and uncertainty in geo-scientific data animation.

Or

- (b) Narrate the approaches to split animated scenes into render layers and render passes, and how to create complete scene from rendered elements. Give special focus to the composite process.

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**C-7421**

**Sub. Code**

**83243**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fourth Semester**

**Animation**

**ADVANCED ANIMATION**

**(2019 onwards)**

Duration: 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Grouping.
2. Lamp rigging.
3. Mirror joints.
4. Facial rig.
5. Compare 2D Vs 3D animation.
6. Staging.
7. Facial expression.
8. Run cycles.
9. Resolution.
10. Usage of camera in animation.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write a short note on rigging for mechanical objects.

Or

- (b) How will you rig for vehicles? Discuss the process with examples.

12. (a) Write a short note on IK with examples.

Or

- (b) Discuss about expression editor.

13. (a) What is the role of graph editor in animation?

Or

- (b) Write the significant of Pose to Pose animation.

14. (a) “Gaming industry has started to create real characters” – Justify.

Or

- (b) Compare walk cycles with run cycles.

15. (a) Discuss about motion braking in detail.

Or

- (b) Write a short note on interactive shading.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Discuss the rigging tools and techniques for advanced animation.

Or

- (b) Explain the IKFK methods used in animation.

17. (a) Bring out two softwares used for 3D animation. illustrate their UI in detail with explanations.

Or

- (b) Explain the various principles of animation.

18. (a) Explain the essentials for character animation in detail.

Or

- (b) “Camera plays a pivotal role in animation” Justify.

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**C-7422**

**Sub. Code**

**83251/82851/83051/  
83351/82951**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fifth Semester**

**BUSINESS OF MEDIA**

**(Common for B.Sc. Animation / Game Art and Design /  
Graphic Design / Photography / Visual effects)**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define public sector.
2. Define the term franchise.
3. List some NGO's.
4. How will you identify a successful organization?
5. What is customer satisfaction?
6. List the types of stakeholder.
7. Define Customer.
8. What is Community?
9. What is Entrepreneurship?
10. What is market analysis?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) List out the firms in the private sector.

Or

- (b) Highlight the importance of structure.

12. (a) State the pros and cons of different structures.

Or

- (b) What are the pressures that you incur in business?

13. (a) List out the types of stakeholder.

Or

- (b) How will you satisfy your customers?

14. (a) How will you frame your business objectives and strategy?

Or

- (b) Write short note on human resources.

15. (a) Discuss briefly about market structures.

Or

- (b) What are the characteristics of Stakeholders?

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) How will you run an organization effectively?

Or

(b) Write about internal and external stakeholders.

17. (a) Explain Macro and Micro Economics with an example.

Or

(b) State the role of manager in an organization.

18. (a) Elaborate on the Channels of Communication.

Or

(b) Explain the theories of Entrepreneurship.

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**C-7423**

**Sub. Code**

**83252/82852/83052/  
83352/82952**

**B.Sc. DEGREE EXAMINATION, NOVEMBER 2022**

**Fifth Semester**

**PORTFOLIO AND PRESENTATION**

**(Common for B.Sc. Animation / Game Art and Design /  
Graphic Design / Photography / Visual effects)**

**(2019 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

**(10 × 2 = 20)**

Answer **all** questions.

1. What is Portfolio?
2. List out the importance of Digital Portfolio.
3. What is digital media?
4. Define Blog.
5. What are the requirements of good presentation?
6. Define Web page.
7. Write short note on Instagram.
8. Define tone.
9. List out the merits of Social media.
10. How will you work on your deadlines?

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Highlight the importance of Portfolio.

Or

(b) Discuss about the elements of Portfolio.

12. (a) What are the requirements in the development of Portfolio?

Or

(b) Discuss about the effective digital showcase.

13. (a) Summarize the Presentation format and requirements.

Or

(b) Highlight the prospects of film portfolio presentation.

14. (a) How will you create your own blog?

Or

(b) State the importance of social media.

15. (a) Outline the components of a Portfolio.

Or

(b) List out the steps of publishing your Portfolio.



**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Elaborate on Digital Portfolio.

Or

(b) Discuss about the Portfolio Development Techniques - Do's and Don'ts.

17. (a) Explain the different stages of digital media.

Or

(b) How will you prepare a professional theatre for presentation?

18. (a) Explain the steps in creation of your own web page.

Or

(b) Explain Portfolio budget and Deadline planning.

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**C-7013**

**Sub. Code**

**16/17/23/25/  
26/27/29**

**COMMON FOR ALL U.G DEGREE COURSES  
EXAMINATION, NOVEMBER 2022**

**First/Second Semester**

**ENVIRONMENTAL STUDIES**

**(2019/2020 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Nonrenewable resources
2. Ecosystem
3. Food Chain of forest ecosystem.
4. Pandemic Emergencies.
5. Red Data Book
6. Hot spots
7. Climate Change
8. Deforestation
9. Biodiversity
10. Acid Rain

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Differentiate renewable and nonrenewable energy resources.

Or

- (b) Write notes on structure and functions of grassland ecosystem.

12. (a) Write notes on Food Webs of Forest Ecosystem with suitable examples.

Or

- (b) Write notes on Genetic, Species and Ecosystem Diversity.

13. (a) Write short notes on Food resources and its problems associated with them.

Or

- (b) Write notes on land resources and problem associated with them.

14. (a) Write notes on thermal pollution.

Or

- (b) Write notes on energy pyramids with suitable examples.

15. (a) Explore the threats to biodiversity.

Or

- (b) Write note on man-made disaster with special reference to strike.

**Part C**

(3 × 10 = 30)

Answer **all** the questions.

16. (a) Write an essay on multidisciplinary nature of environmental studies and about the need for public awareness on environment.

Or

- (b) Write an essay on Water Resources and problem associated with over-utilization of various water resources.
17. (a) Write an essay on Biogeographical classification of India.

Or

- (b) Write an essay on values of biodiversity.
18. (a) Write an essay on causes, effects and control measures of water pollution.

Or

- (b) Enumerate various strategies in managing disasters caused due to natural calamities.
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**C-5664**

**Sub. Code**

**16/17/23/25/  
26/27/29**

**Common for All U.G. B.Sc./B.B.A. DEGREE  
EXAMINATION, APRIL 2022**

**First/Second Semester**

**ENVIRONMENTAL STUDIES**

**(2019/2020 onwards)**

Duration : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** the questions.

1. ZSI.
2. WII.
3. What is renewable energy?
4. Food web.
5. Pyramid of numbers in aquatic ecosystem.
6. Red data book.
7. List out any five Endemic species of India.
8. List out marine pollutants.
9. *Ex Situ* Conservation.
10. Enlist Option Values of Biodiversity.

**Part B**

(5 × 5 = 25)

Answer **all** the questions.

11. (a) Write notes on definition, scope and importance of environmental studies.

Or

- (b) Write notes on soil erosion and desertification.

12. (a) Write notes on energy flow in the ecosystem.

Or

- (b) Write notes on threads to biodiversity.

13. (a) Write notes on Biodiversity at Global, National and Local levels.

Or

- (b) Write notes on various strategies of conservation of Biodiversity.

14. (a) Write notes on ecological pyramids.

Or

- (b) Write notes on air pollution.

15. (a) Write notes on noise pollution.

Or

- (b) Write notes on effects and control measures of nuclear hazards.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on the multidisciplinary nature of Environmental Studies.

Or

- (b) Write an essay on the following resources with special emphasis to how they are overexploited/utilized which in turn damage the environment, (i) Forest Resources and (ii) Food Resources.

17. (a) Write an essay on “India is a mega-diversity nation”.

Or

- (b) Write an essay on Biodiversity and their values.

18. (a) Write an essay on causes, effects and control measures of (i) Marine Pollution and (ii) Water Pollution.

Or

- (b) Write an essay on concept, structure and function of ecosystem.