
QP CODE: MG3DSESDV200

Reg No: _____

Name: _____

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
THIRD SEMESTER MGU-UGP (HONOURS) REGULAR
EXAMINATION OCTOBER 2025

Third Semester

Discipline Specific Major Course - MG3DSESDV200 - ACOUSTICS AND PSYCHOACOUSTICS
(2024 Admission Onwards)

Duration: 1.5 Hours

Maximum Marks: 70

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain] [CO No(s)]

Part A – Very Short Answer Questions

Answer any eight of the following. Each question carries 2 marks.

1. Define Haas effect. [U] [CO1]
2. What are combination tones? [U] [CO1]
3. State inverse square law. [K] [CO2]
4. What is a room mode? [U] [CO2]
5. Write any two materials with high absorption coefficient. [R] [CO4]
6. Define reverberation time. [K] [CO4]
7. What is NC (Noise Criterion)? [K] [CO3]
8. Define ILD and its role in localization. [U] [CO1]
9. What is the purpose of using Helmholtz resonator? [A] [CO3]
10. What is the significance of SAC or NRC? [U] [CO3]

(8 × 2 = 16)

Part B – Short Essay Questions

Answer any five of the following in one paragraph each. Each question carries 6 marks.

11. Describe the perception of direction using ITD and ILD. [U] [CO1]
12. Explain standing waves and their impact on room acoustics. [An] [CO2]
13. Describe flutter echo with appropriate sketch. [U] [CO2]
14. Explain noise transmission and sound isolation techniques in rooms. [An] [CO3]
15. What are porous and diaphragmatic absorbers? [U] [CO3]

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16. How is reverberation time measured in performance spaces? [An] [CO4]
17. Write short notes on absorption coefficients of commonly used materials. [U] [CO4]
- (5 × 6 = 30)

Part C – Essay Questions

Answer any two of the following. Each question carries 12 marks.

18. With diagrams, explain how room shape affects sound reflection and diffusion. Include convex, concave, and QRD panels. [An] [CO3]
19. Discuss in detail the psychoacoustic principles of perception of frequency, loudness, and space. [An] [CO1]
20. Explain reverberation design for different room types. Add acoustical features and case studies of at least two auditoriums. [E] [CO4]
- (2 × 12 = 24)

END OF QUESTION PAPER

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MAHATMA GANDHI UNIVERSITY, KOTTAYAM
THIRD SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION
OCTOBER 2025

Third Semester

Discipline Specific Major Course – MG3DSESDV201 – INTRODUCTION TO MEDIA FORMATS
(2024 Admission Onwards)

Duration: 1.5 Hours

Maximum Marks: 70

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

Part A – Very Short Answer Questions

Answer any eight questions. Each question carries 2 marks.

[2 × 8 = 16]

1. What do you mean by NLE? [K] [CO2]
2. What is an SSD? [K] [CO2]
3. Name any three cloud-based storage systems. [K] [CO4]
4. What is the full form of RAID? [K] [CO4]
5. Differentiate between DSLR and SLR cameras. [U] [CO1]
6. List any three commonly used file extensions. [K] [CO3]
7. What is meant by resolution? [K] [CO2]
8. Define NAS and DAS. [K] [CO4]
9. What is a codec? [K] [CO1]
10. Explain the term bitrate. [U] [CO3]

Part B – Short Answer Questions

Answer any five questions. Each question carries 6 marks.

[6 × 5 = 30]

11. What is backup storage and why is it important in visual editing? [U] [CO4]
12. Explain the difference between lossy and lossless compression. [U] [CO1]
13. Compare a codec with a container format. [U] [CO1]
14. Explain RAID 0 storage configuration. [U] [CO4]
15. Describe the benefits of proxy generation in editing. [U] [CO3]
16. Define a codec. [K] [CO1]

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17. What do you understand by LTO? Discuss its advantages and disadvantages in media workflows.
[An] [CO4]

Part C – Essay Questions

Answer any two questions. Each question carries 12 marks.

[12 × 2 = 24]

18. Discuss different types of storage devices used in media workflows. [U] [CO4]
19. Explain the concept of RAID and briefly describe RAID levels 0, 1, 2, 3, 4, 5, 6, and 10. [U] [CO4]
20. Write a short note on metadata. What are the uses of metadata in editing? [U] [CO3]

END OF QUESTION PAPER

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QP CODE: MG3VACSDV200

Reg. No: _____
Name: _____

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
FIRST SEMESTER MGU-UGP (HONOURS) REGULAR EXAMINATION
NOVEMBER 2025

First Semester

Discipline Specific Core Course – MG3VACSDV200 – HUMAN RIGHTS AND THE ENVIRONMENT
(2024 Admission Onwards)

Duration: 1.5 Hours

Maximum Marks: 50

Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I), Appreciation (Ap), and Skill (S)

Students should attempt at least one question from each course outcome to enhance their overall outcome attainability.

[Learning Domain] [CO No(s)]

Part A – Very Short Answer Questions

Answer any five of the following. Each question carries 2 marks.

1. Define the term human rights in one or two sentences. [U] [CO1]
2. What are the three generations of human rights as classified by Karel Vasak? [U] [CO1]
3. Mention any two characteristics of human rights. [U] [CO1]
4. State one contribution each of UNESCO and UNICEF to human rights. [U] [CO2]
5. What is meant by the universality of human rights? [U] [CO1]
6. Name any two rights included under the ICESCR. [U] [CO2]
7. What is the main objective of the Universal Declaration of Human Rights (UDHR), 1948? [U] [CO2]

(5 × 2 = 10)

Part B – Short Answer Questions

Answer any four of the following. Each question carries 5 marks.

8. Briefly explain the moral and legal dimensions of human rights with examples. [U] [CO1]
9. Discuss the role of the Indian Constitution in safeguarding human rights. [U] [CO2]
10. Explain Amartya Sen's contribution to human rights discourse. [U] [CO1]
11. Describe the importance of human rights education as per UNESCO and Shireesh Pal Singh. [U] [CO2]
12. Outline the key features of second-generation rights and give relevant Indian examples. [U] [CO1]

(4 × 5 = 20)

Part C – Essay Questions

Answer any two of the following. Each question carries 10 marks.

13. Elaborate on the historical development of human rights from ancient traditions to the UN framework. [U]
[CO1]
14. Analyse the structural framework of the United Nations for the protection of human rights. How do bodies like the UNHRC, ECOSOC, and OHCHR contribute to global human rights governance? [An] [CO3]
15. Explain the role of major UN organs (UNESCO, UNICEF, WHO, ILO) in the promotion and protection of human rights with appropriate examples. [U] [CO2]

(2 × 10 = 20)

END OF QUESTION PAPER

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