



### Philosophy Questions

1. The Question Concerning Technology (M. Heidegger). Main claims and ideas.
2. Posthumanism (C. Wolfe, D. J. Haraway, R. Braidotti) — key concepts
3. The Work of Art in the Age of Mechanical Reproduction (W. Benjamin). What is the aura of an artwork? How does this concept evolve in contemporary art?
4. Information society. Key characteristics, drivers and products.
5. Politics of nature. How to Bring the Sciences into Democracy (B. Latour). Relation between scientific concepts and unpredictable natural phenomena. Concepts of political ecology.
6. The meaning of the medium in the works of Marshall McLuhan.
7. AI Aesthetics (L. Manovich). New concepts for understanding media, design, aesthetics, and cultural research through AI technology.
8. Futurist manifestos: F. T. Marinetti's Manifesto (1909) and Technical Manifesto (1910). Key concepts.
9. Postmodernism and poststructuralism (J. Derrida, M. Foucault, G. Deleuze, J. Baudrillard). Key concepts.
10. Slavoj Žižek. The concepts of ideology and ecology.
11. Timothy Morton. Main works and statements.
12. Boris Groys' "In the Flow". The role of contemporary artist, curator, and museum/gallery in the works of Groys.
13. Object-oriented philosophy and its relation to speculative realism. Key concepts and thinkers.
14. Questions of ethics and aesthetic in the philosophy of Kant. Critique de Judgment by I. Kant.
15. The Stack: On Software and Sovereignty by B.H. Bratton — the image and structure of the Stack in works of Benjamin Bratton. Servers for continuous-time systems (Luenberger observer).

### Field-Related Questions

1. Art and science — brief history, pioneers and key topics.
2. Artificial intelligence and art: key concepts, artists, and works (name at least 3 artworks AI).
3. Biotechnology: key directions and problem statement.
4. Art and robotics: key concepts, artists, and works (name at least 3 robotic artworks).
5. Digital Art: key stages and major artists (name at least 3 digital art works).
6. Conceptual art: major characteristics, artists, and their works.
7. Technological art: the main evolution stages.
8. Cybernetic art: key stages and major artists (name at least 3 cybernetic art works)
9. Bioart: key concepts, artists, works (name at least 3 bioart works).
10. Video-art. Artists and major works (name at least 3 video-art works).
11. Sound-art. Artists and major works (name at least 3 sound-art works).
12. Environmentalism and bioethics in art. Key thinkers and concepts.
13. Actual art: major characteristics, artists, and their works.
14. Net art: major characteristics, names, and works.
15. The new aesthetics: major characteristics, names, and works.

## EXAM PREPARATION MATERIALS

1. Artnodes: Node 26. Ai, Arts & Design: Questioning Learning Machines (Guest Editors: Andrés Burbano & Ruth West)  
<https://Www.Raco.Cat/Index.Php/Artnodes/Issue/View/28774/I26>
2. Barthes R. Elements of Semiology. N.Y.: Hill and Wang, 1977. 111 p.
3. Bateson G. Steps to an ecology of mind. University of Chicago Press, 1972
4. Benjamin, W. The Work of Art in the Age of Mechanical Reproduction, 1935.
5. BIOMEDIALE. Современное общество и геномная культура / под ред. Д. Булатова. Калининград: КФ ГЦСИ; Янтарный сказ, 2004. 500 с.
6. Braidotti R. Post-Anthropocentrism: Life beyond the Species. The Posthuman, Cambridge: Polity Press, 2013 — pp.55-104.  
Available at:  
[https://www.skynettoday.com/editorials/nooscope?fbclid=IwAR0c2YwJmn6utSwp-YQSyBcaAKe0oiQgVPMmS4VyY\\_mehy4SYoA5WkhkNQ](https://www.skynettoday.com/editorials/nooscope?fbclid=IwAR0c2YwJmn6utSwp-YQSyBcaAKe0oiQgVPMmS4VyY_mehy4SYoA5WkhkNQ)
7. Catts O., Zurr I. Semi-Living Art // Signs of Life: Bio Art and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 231-247 pp.
8. Clarke K. From the Blood of Poets // Art Journal. 1996. Vol. 55. No 1. Contemporary Art and the Genetic Code. — 27-29 pp.
9. Daniels D. Media → Art / Art → Media: Forerunners of media art in the first half of the twentieth century. Available at:  
[http://www.medienkunstnetz.de/themes/overview\\_of\\_media\\_art/forerunners](http://www.medienkunstnetz.de/themes/overview_of_media_art/forerunners)
10. Davis J. Cases for Genetic Art // Signs of Life: Bio Art and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 249-266 pp.
11. Davis J. Cases for Genetic Art // Signs of Life: Bio Art and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 249-266 pp.
12. Deleuze G. A Thousand Plateaus: Capitalism and Schizophrenia. Les Éditions de Minuit, 1980
13. E-flux, Journal #102 — Geert Lovink — Cybernetics for the Twenty-First Century: An Interview with Philosopher Yuk Hui, September 2019. Available at:  
<https://www.e-flux.com/journal/102/282271/cybernetics-for-the-twenty-first-century-an-interview-with-philosopher-yuk-hui/>
14. Foster H., Krauss R., Bois Y., Buchloh B., Joselit D. Art since 1900: modernism, antimodernism, postmodernism. Thames and Hudson, 2016
15. Ginsberg A. D. The Synthetic Kingdom // Second Nature. 2010. No 3. P. 266-284.
16. Greenberg C. Art and Culture: Critical Essays. Boston: Beacon Press, 1984. 278 p.
17. Groys B. In the Flow. Brooklyn, N.Y.: Verso, 2016. — 208 pp.
18. Heidegger M. The Question Concerning Technology and Other Essays. New York: Harper, 1977
19. Hui Y. The Question Concerning Technology in China: An Essay in Cosmotronics. MIT Press, 2019
20. Kac E. Life Transformation — Art Mutation // Signs of Life: Bio Art and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 163-184 pp.
21. LeCun Y. Learning World Models: the Next Step towards AI. Keynote lecture at the International Joint Conference on Artificial Intelligence (IJCAI), Stockholm, Sweden, July 2018. Available at:  
[https://www.youtube.com/watch?v=IK\\_svPHKA0U](https://www.youtube.com/watch?v=IK_svPHKA0U)
22. Lestel D. Liberating Life from Itself: Bioethics and Aesthetics of Animality // Signs of Life: BioArt and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 151-160 pp.
23. Manovich L. AI Aesthetics. Moscow: Strelka Press, 2019. Available at:  
[http://manovich.net/content/04-projects/161-ai-aesthetics/manovich.ai\\_aesthetics\\_2018.pdf](http://manovich.net/content/04-projects/161-ai-aesthetics/manovich.ai_aesthetics_2018.pdf)
24. McLuhan M. Understanding Media: The Extensions of Man. N.Y.: Signet Books, 1964
25. McQuillan D. Manifesto on Algorithmic Humanitarianism. Presented at the symposium Reimagining Digital Humanitarianism, Goldsmiths, University of London, February 16, 2018.

26. Michaud Y. Art and Biotechnology // Signs of Life: Bio Art and Beyond / ed. by E. Kac. Cambridge — L.: The MIT Press, 2009. — 387-394 pp.
27. Mitchell R. Bioart and the Vitality of Media. Seattle — L.: The University of Washington Press, 2010. 168 p.
28. Morton T. How I Learned to Stop Worrying and Love the Term 1 Anthropocene. Cambridge Journal of Postcolonial Literary Inquiry, Cambridge University Press, 2014. — pp. 8.
29. Pasquero C., Poletto M. Beauty and Ecological intelligence. AD, Volume 89, Issue 5, 2019. Available at: <https://onlinelibrary.wiley.com/doi/abs/10.1002/ad.2480>.
30. Pasquinesi M. How a machine learns and fails. Spheres, Journal for Digital Cultures, n.5, 2019. Available at: <https://spheres-journal.org/contribution/how-a-machine-learns-and-fails-a-grammar-of-error-for-artificial-intelligence/>
31. Popper F. From Technological to Virtual Art. MIT Press, Cambridge; London, 2007. 471 p.
32. Reichle I. Art in the Age of Technoscience: Genetic Engineering, Robotics, and Artificial Life in Contemporary Art. Wien - N.Y.: Springer, 2009. 422 p.
33. Theodor W. Adorno, Aesthetic Theory, 1998
34. Weibel P. About Genetic Art // Ars Electronica Catalogue. Artificial Life — Genetic Art. Vienna, New York, Springer, 1993
35. Weiß M. What is Computer Art? An attempt towards an answer and examples of interpretation. Available at: [http://www.medienkunstnetz.de/themes/generative-tools/computer\\_art/](http://www.medienkunstnetz.de/themes/generative-tools/computer_art/)
36. Wiener N. Cybernetics or Control and Communication in the Animal and the Machine. Paris, Hermann et Cie-MIT Press, Cambridge, MA, 1948
37. Wilson S. Art + Science Now. N.Y.: Thames & Hudson, 2012. 208 p.
38. Wilson S. Art and Science as Cultural Acts, 2002. Available at: <https://homepages.hass.rpi.edu/ruiz/AdvancedIntegratedArts/ReadingsAIA/Wilson%20Art%20Science%20Cultural%20Acts.pdf>
39. Wilson S. Information Arts. Intersections of Art, Science and Technology. MIT Press (Leonardo), Cambridge, London, 2002. 645 p.
40. Zizek S. Examined Life: Philosophy is in the Streets. Video available at: [https://www.youtube.com/watch?v=j\\_K\\_79O21hk](https://www.youtube.com/watch?v=j_K_79O21hk)
41. Бобринская Е. Концептуализм. М., 1994
42. Булатов Д. Новое состояние живого: к вопросу о технобиологическом искусстве // Гуманитарная информатика. 2011. Вып. 6. С. 55–64
43. Галкин Д.В. Цифровая культура: горизонты искусственной жизни. Томск: Издательство Томского университета, 2013. (также см. статьи автора в периодических научных рецензируемых изданиях).
44. Курцвейл Р. Эволюция разума. Как расширение границ нашего разума позволит решить многие мировые проблемы. М.: Изд-во «Э», 2016
45. Риккерт Г. Науки о природе и науки о культуре // Лики культуры: антология. СПб: Университетская книга, 2009
46. Тьерри де Дюв. Именем искусства. К археологии современности. М.: ВШЭ, 2017
47. Эволюция от кутюр: искусство и наука в эпоху постбиологии / под ред. Д. Булатова. Калининград: ГЦСИ, 2009. 196 с.