

**Navajyothi College of Teacher Education for**  
**Women**  
**EDU.04.UNDERSTANDING DISCIPLINES AND SUBJECTS**

PART A – Very Short Answer Questions (1 mark each)

(Answer in one sentence)

1. Define the term discipline.
2. What is meant by a school subject?
3. Mention one example of a hard discipline.
4. Who proposed the Biglan Model?
5. Write one reason for including Mathematics in schools.
6. What are languages as school subjects meant for?
7. Define social science.
8. Write one purpose of teaching science.
9. What is meant by pure discipline?
10. Give one example of a soft discipline.
11. Define applied discipline.
12. What is meant by disciplinarity?
13. Define interdisciplinary approach.
14. Define multidisciplinary approach.

15. Mention one feature of academic discipline.
16. Give one difference between discipline and subject.
17. What is meant by knowledge organization?
18. Write the full name of NCTE.
19. What is meant by epistemology?
20. Mention one example of an emerging subject.
21. Define bioinformatics.
22. What is meant by nanotechnology?
23. Define gemmology.
24. Write one educational implication of understanding disciplines.
25. Mention one reason for the rise of new disciplines.
26. What is interdisciplinary research?
27. Write one example of a pure life discipline.
28. What is a non-life discipline?
29. Mention one characteristic of a school subject.
30. Who classifies disciplines as soft or hard?
31. What is educational discipline?
32. Mention any one applied life discipline.
33. Define pedagogy.
34. What is meant by subject specialization?

35. Mention one example of interdisciplinary teaching.
  36. What is meant by contextual learning?
  37. Define academic knowledge.
  38. Mention any one interdisciplinary field involving science.
  39. What is meant by disciplinary boundary?
  40. Give one example of a multidisciplinary project.
  41. Define curriculum integration.
  42. Mention one aim of school education.
  43. Write one example of how technology created new disciplines.
  44. What is meant by critical thinking?
  45. Define scientific attitude.
  46. Write one major branch of social science.
  47. Mention one difference between pure and applied disciplines.
  48. What is meant by educational implication?
  49. Mention any one interdisciplinary field in education.
  50. What is the full form of OBE (Outcome Based Education)?
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## PART B – Short Answer Questions (2 marks each)

(Answer in 2–3 sentences)

1. Distinguish between a school subject and a discipline.

2. Explain the need for studying different school subjects.
3. Mention two functions of an academic discipline.
4. What are the main features of an academic discipline?
5. Explain the term disciplinarity.
6. Differentiate between pure and applied disciplines.
7. Describe the meaning of interdisciplinary and multidisciplinary approaches.
8. What is the purpose of including social sciences in school?
9. Mention two features of Biglan's classification.
10. What is meant by hard and soft disciplines?
11. List any two emerging disciplines.
12. State any two reasons for the establishment of new disciplines.
13. Explain how social change leads to new academic disciplines.
14. Mention any two educational implications of understanding disciplines.
15. Explain the need for interdisciplinary education.
16. Define and give examples of pure life and non-life disciplines.
17. What is meant by the academic community?
18. Describe the relationship between school curriculum and academic disciplines.
19. Mention two major areas of educational discipline.
20. What is meant by knowledge fragmentation?
21. Explain the role of research in forming new disciplines.

22. Mention two characteristics of scientific disciplines.
23. How do economic factors influence subject choice?
24. Define technological discipline with examples.
25. Mention two differences between disciplinary and interdisciplinary learning.
26. Write two educational contributions of Biglan's model.
27. What is meant by pedagogical understanding of a discipline?
28. How does globalization affect academic disciplines?
29. Mention any two examples of interdisciplinary subjects.
30. Explain the importance of language disciplines.
31. State two ways to integrate disciplines in teaching.
32. How does political context shape subjects in schools?
33. What is meant by subject boundaries?
34. Mention two implications of subject specialization.
35. Explain the concept of applied non-life disciplines.
36. How do cultural changes lead to new disciplines?
37. State two educational outcomes of studying EDU 04.
38. What is the role of philosophy in shaping disciplines?
39. Mention two advantages of interdisciplinary research.
40. Write two features of school knowledge.
41. Define and exemplify disciplinary identity.

42. Mention two educational reforms promoting interdisciplinarity.
  43. Explain the relationship between theory and practice in disciplines.
  44. State two limitations of rigid disciplinary structures.
  45. Mention any two areas where disciplines overlap.
  46. Explain how teacher understanding of disciplines improves classroom teaching.
  47. Define curricular discipline.
  48. Mention any two characteristics of emerging disciplines.
  49. How do social needs determine the inclusion of subjects?
  50. Write two educational implications of studying academic disciplines.
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## PART C – Short Essay Questions (4 marks each)

(Answer any 4. Each question carries 4 marks)

1. Explain the significance of including various subjects in school education.
2. Discuss the features and functions of academic disciplines.
3. Describe Biglan's Model of classification with examples.
4. Explain the relationship between school subjects and academic disciplines.
5. Trace the development of Science as a discipline.
6. Explain the evolution of Mathematics as a school subject.
7. Discuss the socio-political influence on curriculum design.
8. Explain the process of emerging new academic disciplines.

9. Write a short note on interdisciplinary and multidisciplinary approaches.
10. Explain the educational implications of understanding disciplines.
11. Discuss how language evolved as an academic discipline.
12. Explain the features of hard and soft disciplines.
13. How do philosophical foundations shape academic disciplines?
14. Explain how social and political changes bring new subjects into the curriculum.
15. Discuss the interdisciplinary nature of education.
16. Explain the impact of globalization on academic disciplines.
17. Describe how the knowledge system changed from traditional to modern.
18. Explain the significance of the Biglan model in teacher education.
19. Trace the development of social sciences as academic disciplines.
20. Discuss the importance of integrating subjects in the curriculum.
21. Explain how science contributes to social development.
22. Discuss the nature of educational disciplines.
23. Write a note on the interdisciplinary relationship between education and psychology.
24. Explain how technology influences curriculum formation.
25. Discuss the challenges in integrating multiple disciplines in schools.
26. Explain the importance of interdisciplinary teacher training.
27. Trace the evolution of language as a cultural discipline.
28. Explain how academic disciplines shape identity and learning.

29. Discuss the need for curriculum renewal based on emerging fields.
30. Explain the relationship between education and other social sciences.
31. Discuss the importance of understanding disciplinary boundaries.
32. Explain how new discoveries lead to creation of new subjects.
33. Discuss the nature and purpose of applied disciplines.
34. Explain how teachers can promote interdisciplinary thinking in students.
35. Discuss how disciplinary knowledge supports lifelong learning.
36. Explain the relevance of educational discipline in today's world.
37. Describe the role of specialization in knowledge formation.
38. Discuss how curriculum integration can improve student learning.
39. Explain how Biglan's dimensions help in classifying disciplines.
40. Discuss how culture and values shape the evolution of disciplines.
41. Explain how interdisciplinary approaches prepare students for global citizenship.
42. Trace the evolution of social sciences as academic disciplines.
43. Discuss the relationship between school education and university disciplines.
44. Explain the educational implications of multidisciplinary learning.
45. Describe the impact of technology on subject formation.
46. Discuss how education can balance traditional and emerging subjects.
47. Explain how teachers can use multiple disciplines for problem-solving.
48. Discuss how curriculum planners decide which subjects to include.



49. Explain how interdisciplinary approaches support holistic learning.
  50. Discuss the role of EDU 04 in preparing reflective teachers.
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## PART D – Essay Questions (10 marks each)

(Answer any one. Each carries 10 marks)

1. Critically examine the relationship between school subjects and academic disciplines.
2. Discuss how the historical development of disciplines influenced modern school subjects.
3. Analyse the socio-political factors that determine inclusion or exclusion of subjects in curriculum.
4. Explain how globalization and technology have contributed to the rise of new academic disciplines.
5. As a teacher, how will you apply interdisciplinary approaches to make learning meaningful?
6. Evaluate Biglan's Model of classification and its relevance to teacher education.
7. Discuss the philosophical, sociological, and psychological bases of disciplines.
8. Analyse how disciplinary knowledge contributes to identity and cultural understanding.
9. Design a model interdisciplinary curriculum integrating language, science, and social studies.
10. Examine how teacher understanding of disciplines promotes critical and creative thinking.
11. Discuss the need for curriculum reforms in light of emerging interdisciplinary subjects.
12. Explain how the evolution of disciplines affects pedagogical practices.

13. Evaluate the importance of disciplinary knowledge for professional teacher education.
14. Discuss how socio-economic and political factors shape education systems.
15. Critically analyse the interrelationship between education, society, and knowledge.
16. Examine how disciplinary classification helps in educational planning.
17. Discuss the educational implications of the emergence of interdisciplinary fields.
18. Analyse the role of teachers in bridging gaps between traditional and emerging subjects.
19. Evaluate the significance of understanding disciplines for reflective teaching.
20. Propose strategies for integrating emerging disciplines into the B.Ed curriculum.
21. Discuss the challenges faced while integrating subjects at the school level.
22. Examine how educational disciplines evolved over time.
23. Critically analyse the relevance of Biglan's model in present education.
24. Explain how the study of disciplines influences knowledge construction.
25. Discuss how interdisciplinary education supports 21st-century skills.
26. Describe how cultural and political contexts shape curriculum formation.
27. Analyse how education acts as a bridge between disciplines and society.
28. Discuss the importance of flexibility in the modern curriculum.
29. Examine how interdisciplinary learning promotes lifelong learning.
30. Propose methods for incorporating value education through disciplinary learning.
31. Evaluate the impact of digital technology on the structure of disciplines.
32. Explain how knowledge transformation occurs from disciplines to school subjects.

33. Analyse the need for balance between disciplinary depth and interdisciplinary breadth.
34. Discuss how teacher educators can model interdisciplinary practices.
35. Critically evaluate the strengths and limitations of disciplinary specialization.
36. Discuss how subject boundaries influence assessment and evaluation.
37. Explain the educational significance of emerging fields like AI and Data Science.
38. Analyse how traditional disciplines adapt to new societal challenges.
39. Evaluate the contribution of education to the development of new disciplines.
40. Suggest pedagogical approaches for teaching interdisciplinary content.
41. Discuss how understanding disciplines can make teachers reflective practitioners.
42. Examine the relationship between knowledge, power, and curriculum design.
43. Evaluate the social and ethical issues related to new disciplines.
44. Discuss how education policies shape the evolution of subjects.
45. Critically assess the advantages and limitations of an integrated curriculum.
46. Explain the challenges faced in implementing interdisciplinary teaching.
47. Discuss how interdisciplinary approaches encourage problem-solving and innovation.
48. Evaluate the teacher's role in balancing disciplinary depth with learner creativity.
49. Analyse how cultural identity is represented through academic disciplines.
50. Conclude with a reflective essay on the importance of understanding disciplines for future teachers.