



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor of Education / B.Ed. Special Education (VI/II) Degree Examination – June 2021
IV Semester

Class : II B.Ed. /2017 Batch (Repeater)
II B.Ed. Special Education

Time : 3 Hours
Max Marks: 100

18BEDP14 / 17BEDP14 / 18BDSP14 School Subject I: Professionalising Physical Science Education

Course Outcomes:

CO1: analyse the content and pedagogy of text books

CO2: analyse and evaluate text books

CO3: design and develop e - content material

CO4: conduct an action research

CO5: organise science exhibitions and science fairs

Part A
Choose the Correct Answer

10 x 1 = 10

1. Who is the patron of science club?
a. Students b. Head Master c. Teacher d. Staff CO5 K1
2. Nature study is the main aspect of science teaching it comes under
a. HR b. NR c. MNR d. None CO1 K1
3. All the learning which is planned and guided by the school is known as
a. Syllabus b. Curriculum c. Content d. Aims & Objectives CO2 K1
4. Pedagogy is a Greek word which literally means
a. to understand the child b. to guide the child
c. to educate the child d. to lead the child CO1 K1
5. The most important function of the physics teacher is
a. Teaching b. observation c. Guidance d. evaluation CO1 K2
6. Action Research means
a. longitudinal research
b. applied research
c. a research to solve immediate problem
d. a research with socio-economic objective CO4 K1
7. Research is
a. searching again and again
b. finding solution to a problem
c. working in a scientific way for truth of any problem
d. None of the above CO4 K1
8. The major purpose of co-curricular activities is
a. help students to achieve a well-adjusted personality
b. provide relief from the usual classroom routine
c. allow students an opportunity to develop in to good citizens
d. permit students to have a choice of educational program CO5 K1
9. Which is not a domain of Blooms Taxonomy
a. Cognitive Domain b. Attitudinal Domain
c. Affective Domain d. Psychomotor Domain CO1 K1
10. A plan of arranging various units in the content of a subject band the period assigned to them in a year
a. Lesson plan b. Unit plan
c. Year plan d. Resource plan CO1 K1

Part B
Answer ALL questions

5 x 6 = 30

Each answer should not exceed 400 words or two pages

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| 11.a. Describe the steps in pedagogical analysis.
(or) | CO1 | K2 |
| 11.b. Compare the Physics content of 8th and 9th standard textbook. | CO1 | K2 |
| 12.a. List the uses of textbooks.
(or) | CO2 | K3 |
| 12.b. Discuss about Hunters scorecard. | CO2 | K3 |
| 13.a. Tabulate the phases involved in e-content development.
(or) | CO3 | K2 |
| 13.b. Give the importance of e-content. | CO3 | K2 |
| 14.a. Classify the variables present in research.
(or) | CO4 | K2 |
| 14.b. Write the characteristics of research. | CO4 | K2 |
| 15.a. How co-curricular activities help for science learning.
(or) | CO5 | K3 |
| 15.b. List the advantages and disadvantages of field trips. | CO5 | K3 |

Part C
Answer ALL questions

5 x 12 = 60

Each answer should not exceed 800 words or four pages

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| 16.a. Explain how content analysis help the teachers and students in teaching learning process.
(or) | CO1 | K4 |
| 16.b. Why content analysis is important? - Justify | CO1 | K5 |
| 17.a. Explain the Vogel's spot check list.
(or) | CO2 | K2 |
| 17.b. Explain the criteria for selection of textbooks. | CO2 | K2 |
| 18.a. How will you develop script writing for e-content material preparation?
(or) | CO3 | K4 |
| 18.b. Prepare an e-content module on any topic in physical science. | CO3 | K6 |
| 19.a. Explain the types of research.
(or) | CO4 | K2 |
| 19.b. Differentiate Pure, applied and action research. | CO4 | K2 |
| 20.a. What are the functions and activities of a science club? How science club helps the students in cognitive development?
(or) | CO5 | K3 |
| 20.b. What kind of co-curricular activities will develop students personality? | CO5 | K4 |
