

Answer Key: Assistant Professor (Education)

Q No	Key
1	C
2	B
3	C
4	C
5	B
6	B
7	A
8	C
9	B
10	B
11	C
12	C
13	A
14	A
15	B
16	D
17	C
18	D
19	B
20	C
21	A
22	A
23	D
24	B
25	A

Q No	Key
26	C
27	C
28	A
29	B
30	A
31	C
32	C
33	A
34	C
35	A
36	B
37	D
38	D
39	A
40	C
41	B
42	C
43	B
44	B
45	B
46	D
47	B
48	D
49	B
50	C

Test Booklet

Series

A

Test Booklet No.

**Test Booklet for the Post of
Assistant Professor Education**

Name of Applicant Answer Sheet No.

Applicant ID/Roll No. : Signature of Applicant :

Date of Examination: Signature of the Invigilator(s)
1.

Time of Examination : 2.

Duration : 1 Hour]

[Maximum Marks : 50

IMPORTANT INSTRUCTIONS

- (i) The question paper is in the form of Test-Booklet containing **50 (Fifty)** questions. All questions are compulsory. Each question carries four answers marked (A), (B), (C) and (D), out of which only one is correct. Choose the correct option or the most appropriate option.
- (ii) On receipt of the Test-Booklet (Question Paper), the candidate should immediately check it and ensure that it contains all the pages, i.e., **50** questions. Discrepancy, if any, should be reported by the candidate to the invigilator immediately after receiving the Test-Booklet.
- (iii) A separate Answer-Sheet is provided with the Test-Booklet/Question Paper. On this sheet there are **50** rows containing four circles each. One row pertains to one question.
- (iv) The candidate should write his/her Application ID/Roll number at the places provided on the cover page of the Test-Booklet/Question Paper and on the Answer-Sheet and **NOWHERE ELSE**.
- (v) No second Test-Booklet/Question Paper and Answer-Sheet will be given to a candidate. The candidates are advised to be careful in handling it and writing the answer on the Answer-Sheet.
- (vi) For every correct answer of the question **One (1) mark will be awarded**. There will be negative marking and 1/4 (0.25) mark will be deducted for every incorrect answer.
- (vii) Marking shall be done only on the basis of answers responded on the Answer-Sheet.
- (viii) To mark the answer on the Answer-Sheet, candidate should **darken** the appropriate circle in the row of each question with Blue or Black pen.
- (ix) For each question only **one** circle should be **darkened** as a mark of the answer adopted by the candidate. If more than one circle for the question are found darkened or with one black circle any other circle carries any mark, the answer will be treated as incorrect.
- (x) The candidates should not remove any paper from the Test-Booklet/Question Paper. Attempting to remove any paper shall be liable to be punished for use of unfair means.
- (xi) Rough work may be done on the blank space provided in the Test-Booklet/Question Paper only.
- (xii) *Mobile phones (even in Switch-off mode) and such other communication/programmable devices are not allowed inside the examination hall.*
- (xiii) No candidate shall be permitted to leave the examination hall before the expiry of the time.

DO NOT OPEN THIS QUESTION BOOKLET UNTIL ASKED TO DO SO.

Education

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1. Suppose a researcher computed correlation between intelligence and achievement. It was found to be 0.8. Now he added 5 marks to each of the intelligence score and again computed correlation between new intelligence scores and unchanged achievement scores. Now the coefficient of correlation will be :
(A) More than 0.8 (B) Less than 0.8
(C) 0.8 (D) None of the above
2. The researcher used Pretest-Posttest Single Group Design to study the effectiveness of Programmed Learning Material. He assessed the achievement of students through a test before giving the PLM. After students have completed reading PLM, another test was administered to assess the achievement of the group. The pretest mean score can be compared with posttest mean score with the help of :
(A) t-test (B) Correlated t-test
(C) Mann Whitney U-Test (D) None of the above
3. Using a non-parametric test when infact a parametric test could have been used, researcher :
(A) Rejects null hypothesis when it should not have been rejected
(B) Rejects null hypothesis when it should have been rejected
(C) Does not reject null hypothesis when it should have been rejected
(D) None of the above
4. Average height of Indian female is 62 inches with an SD of 5 inches. The probability of a female with height of 79 inches is :
(A) 1 in 100 (B) 2 in 100
(C) Less than half in 100 (D) Less than 5 in 100
5. The concept of "cultural capital", as proposed by Pierre Bourdieu, refers to :
(A) Financial resources possessed by individuals
(B) The knowledge, skills, and cultural experiences that contribute to social mobility
(C) The influence of popular culture on educational outcomes
(D) The role of genetics in intelligence
6. The "Pygmalion effect" refers to :
(A) The impact of socioeconomic status on educational achievement
(B) The influence of teacher expectations on student performance
(C) The use of positive reinforcement to shape behavior
(D) The role of genetics in intelligence

7. Which individual's work popularized the notion of andragogy, describing adult learning particularly in North America and Britain?
- (A) Malcolm Knowles (B) Hase and Kenyon
(C) Socrates (D) Hase and Knowles
8. What is the exact title of the Justice Verma Commission report on teacher education?
- (A) Vision of Teacher Education in India – Regulatory Perspective
(B) Vision of Teacher Education in India – Quality and Regulatory Perspective
(C) Vision of Teacher Education in India – Quality Perspective
(D) Vision of Teacher Education in India – Quality and Status Perspective

9. In the two sets given below, Set-I provide a list of attributes based scientific criteria and Set-II offers their brief description. Match the two sets and select appropriate code for correct matching :

Set-I (Attribute based scientific criteria)	Set-II (Description)
(a) Parsimony	(i) Knowledge should remain open to revision
(b) Empiricism	(ii) Interpretation of research should not reflect personal biases
(c) Precision	(iii) Knowledge should be grounded in observation
(d) Objectivity	(iv) Explanations should be as simple as possible
	(v) Research statement should be based on accurate measurements

Code :

(a)	(b)	(c)	(d)
(A) (ii)	(iv)	(iii)	(v)
(B) (iv)	(iii)	(v)	(ii)
(C) (iii)	(v)	(ii)	(iv)
(D) (i)	(ii)	(iv)	(v)

10. A researcher compares two sets of curricular materials in order to determine which set is more pedagogically sound. In the study, which of the following factors may act as source of error?
- (A) Attrition (B) Content choice bias
(C) History (D) Subject effects

11. According to Erik Erikson's theory of psychosocial development, which stage occurs during adolescence?

- (A) Industry vs. Inferiority (B) Trust vs. Mistrust
(C) Identity vs. Role confusion (D) Generativity vs. Stagnation

12. Which model of teaching is particularly effective for enhancing students' critical thinking and problem-solving skills?

- (A) Concept-Attainment Model (B) Role-Play Model
(C) Advance Organizer Model (D) Inquiry-Based Learning Model

13. Match the following characteristics with Examples :

Characteristics	Examples
(i) Development of self-learning materials	(a) History e-book with videos, timelines, interactive maps; Math software with animated lessons.
(ii) Adaptive assessment and feedback mechanisms	(b) Online discussion forum for peer-to-peer learning; Virtual classroom for real-time group collaboration.
(iii) Interactive multimedia content	(c) Interactive language learning app with personalized exercises; Virtual science lab simulation for student experiments.
(iv) Collaborative learning platforms	(d) Intelligent tutoring system adjusting difficulty; Automated quizzes with instant feedback.

Code :

- | | | | | |
|-----|-----|------|-------|------|
| | (i) | (ii) | (iii) | (iv) |
| (A) | (c) | (d) | (a) | (b) |
| (B) | (d) | (c) | (b) | (a) |
| (C) | (b) | (a) | (c) | (d) |
| (D) | (a) | (b) | (d) | (c) |

14. Which of the following sequences reflects the correct experiential learning process as described by Kolb?

- (A) Experiencing, processing, generalizing, applying
(B) Experiencing, applying, processing, generalizing
(C) Applying, generalizing, experiencing, processing
(D) Generalizing, experiencing, processing, applying

15. In validating self-learning material for a language course, which approach would be most effective for ensuring individualized learning needs are met?
- (A) Providing identical material for all learners regardless of proficiency level
 - (B) Tailoring content to match the learning pace and language level of each student
 - (C) Requiring students to memorize vocabulary lists without context
 - (D) Using a single assessment method for all students irrespective of learning style

16. Which one of the following basic elements of administrative process suggested by H. Fayol are not a part of POSDCORB?
- (A) Coordinating and Controlling
 - (B) Commanding and Coordinating
 - (C) Controlling and Commanding
 - (D) Commanding and Cooperating

17. Sequence the last Five paths to liberation according to Buddha philosophy :
- (a) Right Concentration (Samyak-Samadhi)
 - (b) Right Effort (Samyak-Vyayama)
 - (c) Right mindfulness (Samyak-Smrti)
 - (d) Right livelihood (Samyak-Ajiva)
 - (e) Right conduct (Samyak-Karmanta)

Choose the correct answer from the options given below :

- (A) (e), (c), (d), (b), (a)
- (B) (e), (b), (d), (c), (a)
- (C) (e), (d), (b), (c), (a)
- (D) (b), (d), (a), (c), (e)

18. Match the following Digital Initiatives (List-I) with their respective areas of focus (List-II)

List-I (Digital Initiatives)

List-II (Areas of Focus)

- | | |
|-------------------|--|
| (a) Shodh Shuddhi | (i) MOOC Platform |
| (b) IRINS | (ii) Plagiarism Checking |
| (c) SWAYAM | (iii) Open Source Software repository |
| (d) FOSSEE | (iv) Database of Researchers and Faculty |

Choose the correct match from the options given below :

- (A) (a)–(i), (b)–(iii), (c)–(iv), (d)–(ii)
- (B) (a)–(iii), (b)–(iv), (c)–(i), (d)–(ii)
- (C) (a)–(iv), (b)–(iii), (c)–(ii), (d)–(i)
- (D) (a)–(ii), (b)–(iv), (c)–(i), (d)–(iii)

19. Arrange the following creative common licenses in the increasing order of restrictions :

- (a) CC-BY-SA
- (b) CC-BY-NC
- (c) CC-BY
- (d) CC-BY-ND
- (e) CC-BY-NC-ND

Choose the correct answer from the options given below :

- (A) (a), (b), (d), (c), (e)
- (B) (c), (a), (b), (d), (e)
- (C) (d), (c), (b), (a), (e)
- (D) (e), (d), (a), (c), (b)

20. Match List-I with List-II:

- | List-I (Philosophy) | List-II (Source of Knowledge) |
|----------------------------|--|
| (a) Jain Philosophy | (i) Perception is the only valid source of knowledge |
| (c) Carvaka Philosophy | (ii) Perception, inference and testimony are sources of valid knowledge |
| (c) Nyaya | (iii) Perception, inference, comparison and testimony are valid sources o knowledge |
| (d) Prabhakara | (iv) Perception, inference, comparison, testimony and postulation are valid sources of knowledge |

Choose the correct answer from the options given below :

- (A) (a)–(i), (b)–(ii), (c)–(iv), (d)–(iii)
- (B) (a)–(iii), (b)–(iv), (c)–(ii), (d)–(i)
- (C) (a)–(ii), (b)–(i), (c)–(iii), (d)–(iv)
- (D) (a)–(iv), (b)–(iii), (c)–(i), (d)–(ii)

21. Match List-I with List-II :

- | List-I
(Quality Enhancement Programme) | List-II
(Mandate) |
|---|---|
| (a) Deeksharambh | (i) Faculty Development |
| (b) Jeevan Kaushal | (ii) Induction programme for students |
| (c) Guru Dakshata | (iii) Preventing publication in predatory, dubious, and sub-standard journals |
| (d) Consortium for Academic Research and Ethics | (iv) Imparting life skills to students |

Choose the correct answer from the options given below :

- (A) (a)–(ii), (b)–(iv), (c)–(i), (d)–(iii)
- (B) (a)–(ii), (b)–(iv), (c)–(iii), (d)–(i)
- (C) (a)–(iv), (b)–(ii), (c)–(i), (d)–(iii)
- (D) (a)–(iv), (b)–(ii), (c)–(iii), (d)–(i)

22. A teacher is explaining about a model of change by giving an example of converting a cube of ice into a cone of ice. The teacher is talking about :
- (A) Kurt Lewin's model (B) Kotter's model
(C) Kubler-Ross's model (D) Jeff Hiatt's model
23. Shiksha Vaani is an audio based learning initiative started by :
- (A) National Council for Teacher Education (NCTE)
(B) Rehabilitation Council of India (RCI)
(C) University Grants Commission (UGC)
(D) Central Board of Secondary Education (CBSE)
24. Which aspect of the CIPP model of Curriculum involves material, time, physical, and human resources needed for the effective working of the school?
- (A) Context (B) Input
(C) Process (D) Product
25. **Assertion (A) :** Though ex-post facto research examines cause and effect but it is not part of experimental research.
Reason (R) : In ex-post facto research, effect of independent variable has already taken place.
In the light of the above statements, choose the most appropriate answer from the options given below :
- (A) Both (A) and (R) are correct and (R) is the correct explanation of (A)
(B) Both (A) and (R) are correct, but (R) is NOT the correct explanation of (A)
(C) (A) is correct, but (R) is not correct
(D) (A) is not correct, but (R) is correct
26. Match the theory of leadership in List-I with its focus in List-II.
- | List-I | List-II |
|-----------------------------|---|
| (Leadership theory) | (Basic focus of the leadership theory) |
| (a) Contingency theory | (i) Motivate followers by appealing to their interest areas |
| (b) Transactional theory | (ii) Identify needed change and create a vision for the organization and make people commit to it |
| (c) Transformational theory | (iii) Understand the needs of people and satisfy them |
| (d) Servant theory | (iv) It is the circumstances that make a leader |

Choose the correct answer from the options given below :

- | | | | | |
|-----|-------|------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (ii) | (i) | (iii) | (iv) |
| (B) | (iv) | (ii) | (iii) | (i) |
| (C) | (iv) | (i) | (ii) | (iii) |
| (D) | (iii) | (i) | (ii) | (iv) |

27. 'Mind is merely a function of the brain, an overtone accompanying bodily activity. It is an onlooker at events, never influencing them.' This statement aligns with which philosophical perspective?

- | | |
|----------------------|--------------------|
| (A) Parallelism | (B) Interactionism |
| (C) Epiphenomenalism | (D) Absolutism |

28. Arrange the following in chronological order of being established :

- (a) NCTE
- (b) NCERT
- (c) UGC
- (d) BHU
- (e) NIEPA

Choose the correct answer from the options given below :

- | | |
|-----------------------------|-----------------------------|
| (A) (d), (c), (b), (e), (a) | (B) (c), (a), (b), (e), (d) |
| (C) (d), (b), (c), (a), (e) | (D) (b), (c), (a), (d), (e) |

29. Given below are two statements :

Statement-I : Teacher education should be provided in all standalone Teacher Education Institutions (TEIs) as it requires high-quality content as well as pedagogy and multidisciplinary inputs.

Statement-II : Regulatory efforts of teacher education regulatory bodies are able to curb malpractices and enforce basic standards for quality in teacher education.

In light of the above statements, choose the most appropriate answer from the options given below :

- (A) Both Statement-I and Statement-II are correct
- (B) Both Statement-I and Statement-II are incorrect
- (C) Statement-I is correct, but Statement-II is incorrect
- (D) Statement-I is incorrect, but Statement-II is correct

30. A teacher finds that the distribution of scores for a self-made test is positively skewed. What inference should he/she make about the difficulty level of this test?
- (A) The test is difficult (B) The test is easy
 (C) The test is of moderate difficulty (D) The test is moderately low in difficulty

31. In the statements given below, identify those which are related to competency-based curriculum design :

- (a) The abilities and learning styles of individuals get support.
 (b) Individual's memory-based knowledge is stressed.
 (c) Individuals are helped to achieve their potential.
 (d) Domain-specific proficiency of individuals is focused.
 (e) Curriculum is designed with an idealist perspective.

Choose the most appropriate answer from the options given below :

- (A) (a), (b), and (c) only (B) (b), (d), and (e) only
 (C) (a), (c), and (d) only (D) (d), (e), and (a) only

32. Match the types of curriculum change in List-I with their corresponding examples in List-II:

List-I	List-II
(Type of curriculum change)	(Examples)
(a) Substitution	(i) Emphasis on personal growth of students than academic growth
(b) Alteration	(ii) Change in time allowed for teaching a particular subject
(c) Perturbation	(iii) New textbook replaces the old textbook
(d) Product evaluation	(iv) Introduction of new content into existing learning materials

Choose the correct answer from the options given below :

- | | | | |
|-----------|-------|-------|-------|
| (a) | (b) | (c) | (d) |
| (A) (iv) | (ii) | (i) | (iii) |
| (B) (i) | (iii) | (iv) | (ii) |
| (C) (iii) | (iv) | (ii) | (i) |
| (D) (ii) | (i) | (iii) | (iv) |

33. Given below are two statements : One is labelled as Assertion (A) and the other is labelled as Reason (R).

Assertion (A) : Concurrent validity coefficients are generally higher than predictive validity coefficients.

Reason (R) : This does not mean that the test with a higher validity coefficient is more suitable for a given purpose.

In the light of the above Statements, choose the most appropriate answer from the options given below :

- (A) Both (A) and (R) are true and (R) is the correct explanation of (A)
- (B) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- (C) (A) is true, but (R) is false
- (D) (A) is false, but (R) is true

34. For education of CWSN (Children with Special Needs), the concept of Inclusive Education as laid down in SSA was based upon?

- (A) Integration Model
- (B) Medical Model
- (C) Multi-Option Model
- (D) International Model

35. Match the types of variables in List-I with the corresponding correlation coefficients in List-II and choose the correct answer from the code given below :

List-I (Types of Variable)	List-II (Correlation Coefficient)
(a) Both variables continuous	(i) Biserial
(b) Both with ordinal measure	(ii) Pearson's 'r'
(c) Both with artificial dichotomy	(iii) Contingency coefficient
(d) One continuous and other with artificial dichotomy	(iv) Spearman's rho
(e) Two or more categories	(v) Tetrachoric 'r'
	(vi) Point-Biserial

Choose the correct answer from other options given below :

Code :

- | | | | | |
|-----------|-------|-------|------|-------|
| (a) | (b) | (c) | (d) | (e) |
| (A) (ii) | (iv) | (v) | (i) | (iii) |
| (B) (i) | (iii) | (ii) | (iv) | (v) |
| (C) (iii) | (ii) | (i) | (v) | (iv) |
| (D) (ii) | (v) | (iii) | (i) | (iv) |

36. An investigator used ANOVA to compare four groups of students on numerical ability on the basis of a test. After analysis of raw scores, the following results were obtained :

Source of variation	df	Sum of squares
Between Groups	3	625.00
Within Groups	36	2128.00

The value of F-ratio would be approximately :

- (A) 3.40 (B) 3.52
(C) 3.88 (D) 3.97
37. In Hull's 're-inforcement theory' which of the following was postulated as intervening variable?
(A) Drive Condition (B) Reaction Latency
(C) Reaction Amplitude (D) Excitatory Potential
38. In which Curricular Model a school teacher enjoys maximum autonomy?
(A) Demonstration Model (B) Administrative Model
(C) System Analysis Model (D) Grass root Model
39. What is the Academic Grade/Level for UG-3rd Year as per the National Credit Framework?
(A) NSQF Level 5.5 (B) NSQF Level 6
(C) NSQF Level 4.5 (D) NSQF Level 5
40. What is the National Credit Framework (NCrF) level for a Doctoral Degree (PhD)?
(A) NSQF Level 6 (B) NSQF Level 7
(C) NSQF Level 8 (D) NSQF Level 9
41. Which of the following statements best describes the NEP 2020's approach to research and innovation in higher education?
(A) Encouraging universities to focus solely on theoretical research
(B) Emphasizing collaborative research with industries and international institutions
(C) Restricting funding for research projects to government agencies only
(D) Discouraging interdisciplinary research to maintain academic purity

42. Which of the following is not a vertical under the Higher Education Commission of India (HECI)?

- (A) National Higher Education Regulatory Council (NHERC)
- (B) Higher Education Grants Council (HEGC)
- (C) National Educational Council (NEC)
- (D) National Accreditation Council (NAC)

43. Match the following :

Column I (Verticals)	Column II (Meaning)
(a) NHERC	(i) Regulation
(b) HEGC	(ii) Accreditation
(c) NEC	(iii) Standard Setting
(d) NAC	(iv) Funding

Choose the correct match from the given options :

- (A) (a)–(iii), (b)–(i), (c)–(iv), (d)–(ii)
- (B) (a)–(i), (b)–(iii), (c)–(iv), (d)–(ii)
- (C) (a)–(iv), (b)–(iii), (c)–(ii), (d)–(i)
- (D) (a)–(ii), (b)–(i), (c)–(iv), (d)–(iii)

44. Which of the following set of traits is most appropriate for effective leadership?

- (A) Knowledge, Vision and Relationship
- (B) Achievement drive, Self-confidence and Charisma
- (C) Cognitive ability, Emotional maturity and Flexibility
- (D) Creativity, honesty and knowledge of the task

45. The acronym DMAIC of Six Sigma method stands for :

- (A) Design - Measure - Assess - Integrate - Control
- (B) Define - Measure - Analyze - Improve - Control
- (C) Demonstrate - Measure - Aggregate - Implement - Connect
- (D) Define - Match - Assume - Improve - Communicate

46. There are sets given below Set-I describes Leader behaviour in terms of task and relationship orientation while Set-II mentions the Leadership style. Match the two sets and give your answer by selecting an appropriate

Set-I

(Leader Behavior)

- (a) High task and low relationship
- (b) High task and high relationship
- (c) High relationship and low task
- (d) Low relationship and low task

Set-II

(Style of Leadership)

- (i) Consulting style
- (ii) Delegating style
- (iii) Selling style
- (iv) Telling style

Choose the correct match from the given options :

- (A) (a)–(i), (b)–(ii), (c)–(iii), (d)–(iv)
- (B) (a)–(ii), (b)–(iii), (c)–(iv), (d)–(i)
- (C) (a)–(i), (b)–(iii), (c)–(ii), (d)–(iv)
- (D) (a)–(iv), (b)–(iii), (c)–(i), (d)–(ii)

47. Trisomy 21 is more commonly known as :

- (A) Cerebral Palsy
- (B) Down Syndrome
- (C) Tourettets Syndrome
- (D) Epilepsy

48. From the list given below identify those questions which are called process rather than content based questions?

- (i) Convergent questions
- (ii) Divergent questions
- (iii) Fact based questions
- (iv) Concept based questions
- (v) Open questions
- (vi) Closed questions.

Choose the correct answer from the options given below :

- (A) (i), (ii) and (iii)
- (B) (ii), (iii) and (iv)
- (C) (iv), (v) and (vi)
- (D) (ii), (iii) and (v)

49. What is the purpose of using "Talking chips" in the Round Robin discussion strategy?

- (A) To limit students' participation by allowing only certain students to speak
- (B) To encourage students to listen attentively to their peers' ideas
- (C) To discourage group discussions and promote individual reflection
- (D) To facilitate one-way communication from the teacher to the students

50. Match the characteristics of personalized learning and individualized learning with their corresponding examples :

Characteristics	Examples
(i) Customization	(a) Students select learning activities aligned with their interests and participate in setting and tracking their learning goals.
(ii) Flexible Pace	(b) A student excelling in mathematics moves quickly through algebraic concepts and Struggling readers receive additional support for foundational skills.
(iii) Data-Driven	(c) Students use online platforms for adaptive practice exercises and Instruction Educational apps provide interactive learning materials.
(iv) Student Agency	(d) A student passionate about space exploration focuses on astronomy and Differentiated reading assignments.
(v) Technology Integration	(e) Teachers use diagnostic assessments to identify areas of improvement and Formative assessments gauge student progress.

Code :

	(i)	(ii)	(iii)	(iv)	(v)
(A)	(c)	(e)	(a)	(d)	(b)
(B)	(d)	(c)	(e)	(a)	(b)
(C)	(d)	(b)	(e)	(a)	(c)
(D)	(b)	(d)	(c)	(e)	(a)

ROUGH WORK