

# **Vidya Educational Research Foundation**

## **(Teaching & Research Aptitude Test)**

Q.1, Students watch and listen to the videos of a lecture before coming to the class. It is an example of

- A. Lecture Method
- B. Flipped Classroom
- C. Programmed learning
- D. Project Method

Q.2 In a classroom, an effective listener

- A. Resists distractions
- B. Seeks diversions
- C. Prefers message filtering
- D. Judges the message delivery style

Q.3 Upon completion of academic programmes (Graduation), what outcomes should the students have attained?

- A. Programme Education Objectives/ Programme outcomes
- B. Lesson outcomes
- C. Course outcomes
- D. Unit/Chapter outcomes

Q.4 Which of the following types of evaluation is done during the teaching - learning process?

- A. Summative
- B. Integrative
- C. Formative
- D. Diagnostic

Q.5 Which of the following is outside the preview of characteristics of learning?

- A. Learning is a lifelong process
- B. Learning is a temporary change in behavior
- C. Learning is prompted by individual needs
- D. Learning is transferable

Q.6 A child who feels it difficult to do a task alone, is able to do it better with the help of more skilled peers and adults. It is termed as:

- A. Accommodation
- B. Zone of proximal development
- C. Assimilation

D.Equilibrium

Q.7 The focus areas of the New Education Policy are:

- (A) Establishment of community colleges
- (B) Setting up of skill missions in rural India
- (C) Institutional re-structuring in the educational sector
- (D) Imparting of holistic education
- (E) Transforming the regulatory system of higher education

Choose the correct answer from the options given below:

- 1.(A), (B), (C) only
- 2.(B), (C), (D) only
- 3.(A), (D), (E) only
- 4.(C), (D), (E) only

Q.8 A group of DTH channels devoted to telecasting educational programs 24 × 7 basis is :

- A.Swayam
- B.MOOC
- C.Swayam Prabha
- D.Gyan Darshan

Q.9 In which level of teaching, the main focus is laid on capturing and systematic presentation of ideas and information?

- A.Memory level
- B.Understanding level
- C.Reflective level
- D.Autonomous development level

Q.10 The sequence of stages of active listening is :

- (A) Understanding
- (B) Remembering
- (C) Responding
- (D) Receiving
- (E) Evaluating

Choose the correct answer from the options given below:

- 1.(A), (B), (C), (E), (D)
- 2.(C), (A), (D), (B), (E)
- 3.(D), (A), (E), (B), (C)
- 4.(B), (C), (E), (D), (A)

Q.11 The following teaching aids can be used by a teacher in the classroom as a live interactive device:-

- a) Email
- b) Skype
- c) On-line Chat
- d) Tele-conferencing
- e) Face-book
- f) Blog

Select your from the options given below:

- 1.a), b) and c)
- 2.b), c) and d)
- 3.c), e) and f)
- 4.a), b) and d)

Q.12 Which of the following methods of teaching will encourage indirect learning?

- A.Lecturing with examples
- B.Team teaching
- C.Demonstration on a subject
- D.Collaborative projects

Q.13 Listening is important for a teacher to

- A. Address the requirement of the learner
- B. Gain knowledge
- C. Keep the learner in good humour
- D. Evaluate the learner for the progress made

Q.14 Which of the following methods establishes a student's mastery level?

- A. Gloom's mastery learning strategy
- B. Albert's mastery learning strategy
- C. Bloom's mastery learning strategy

D. Garrett's mastery learning strategy

Q.15 Which of the following is the domain of learning according to Bloom?

- A. Professional
- B. Experimental
- C. Social
- D. Affective

Q 16 According to Bloom's taxonomy which option is incorrect for the preparation of objective based questions?

- A. Analysis
- B. Evaluation
- C. Self actualization
- D. Application

Q.17 The three domains of Bloom's taxonomy are:

- A. Social, Affective and Psychomotor
- B. Cognitive, Affective and Psychomotor
- C. Cognitive, Affective and Evaluation
- D. Cognitive, Pedagogy and Psychomotor

Q.18 Which of the following are online methods of teaching?

- (A) Using LMS
- (B) Using video conferencing tools
- (C) Chalk and Talk
- (D) SWAYAM & Swayam Prabha
- (E) Field based activity

Choose the correct answer from the options given below .

- 1. A, B and C Only
- 2. A, B and D Only
- 3. B and D Only
- 4. B, D and E Only

Q.19 Which of the following is a correctly matched pair?

- A. Formative assessment: determining what the students can do before and after the class
- B. Summative assessment: involves paper - pencil tests as well as detailed accounts of non-written behaviours
- C. Criterion - referenced assessment: includes mastery of specific topics

D. Norm - references assessment: compares performance to that of peers

Q.20 Continuous and Comprehensive Evaluation is

A. Teacher-centered

B. Student-centered

C. Assessment-centered

D. Performance-centered

Q.21 Effective teachers often use probing questions during the course of teaching-learning processes in the classroom. This would enable the teacher to undertake

A. Summative assessment

B. Formative assessment

C. Standardised assessment

D. Norm-referenced assessment

Q.22 The Assessment done during or before instruction is known as:

A. Summative Assessment

B. Formative Assessment

C. Formal Assessment

D. Diagnostic Assessment

Q.23 A teacher' should identify \_\_\_\_\_ and teach accordingly.

A economic condition of students

B. individual differences among students

C. economic condition of parents

D. More than one of the above

E. None of the above

Q.24 Learning objectives mean

A. learning experience

B. concise outcomes

C. academic achievement

D. intended learning outcomes

Q.25 Which of the following are the most influential factors of learning?

A. Government policy

B. Motivation

C. Aptitude

D. Interest

E. Physical facilities

Choose the correct answer from the options given below:

- 1.A, B and C only
- 2.B, C and D only
- 3.C, D and E only
- 4.A, B and E only

Q.26 Which of the following are the features of case study method?

- (A) It is appreciative
- (B) It is particularistic
- (C) It is descriptive
- (D) It is inductive
- (E) It is mechanical

Choose the most appropriate answer from the options given below :

- 1.(A), (B), (C) only
- 2.(B), (C), (D) only
- 3.(C), (D), (E) only
- 4.(A), (D), (E) only

Q.27 The Likert scale is used to measure a set of

- A.Values
- B.Norms
- C.Attitudes
- D.Formulae

Q.28 What type of validity is this in which the researcher is encouraged to deduce hypotheses from a theory that is relevant to the concept?

- A.Construct validity
- B.Concurrent validity
- C.Face validity
- D.Convergent validity

Q.29 If the research is to be conducted on very young children or inarticulate persons, which one of the following methods will be appropriate in this situation?

- A. Experiment

- B. Survey
- C. Observation
- D. Case history

Q.30 Match List I with List II :

List I

Variables List II

Characteristic features

(A) Independent (I) Can be used to divide subjects into specific categories

(B) Dependent (II) Cannot be divided into subparts

(C) Control (III) Represents the cause

(D) Discrete (IV) The variable that is affected

Choose the correct answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
4. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)

Q.31 Which of the following sequences correctly represents the steps of research using a quantitative paradigm?

- A. Hypothesis framing, Hypothesis testing, Conclusions and Reporting.
- B. Establishing a research problem, Hypothesis framing, Hypothesis testing, Generalization and conclusions and Implications of result
- C. Problem identification, Sample selection, Developing a research design and Field work.
- D. Defining a problem, Survey of related studies, Sampling, Data collection and Data analysis

Q.32 In which of the following research methods, manipulation and control of variables, and randomization of sample are two of the basic requirements?

- A. Ex-post facto research
- B. Descriptive research
- C. Case study research
- D. Experimental research

Q.33 A college principal conduct an ethnographic probe into the problems faced by tribal students. Which method of sampling will be most appropriate?

- A. Random sampling
- B. Stratified sampling
- C. Cluster sampling
- D. Systematic sampling

Q.34 Goodness of Fit of a distribution is tested by

- A. T - test

- B. Chi-square Test
- C. F-Test
- D. None of the above

Q.35 The extent to which results in an experiment are caused by the treatment variables as distinct from extraneous variables is known as

- A. Internal reliability
- B. Internal validity
- C. External reliability
- D. External validity

Q.36 An experimenter measured 30 children's IQ. He then rank ordered the children and assigned them a score from 30 (most intelligent) to 1 (least intelligent) to create a new variable. This new variable consists of

- A. Nominal Data
- B. Ordinal Data
- C. Interval Data
- D. Ratio Data

Q.37 Fieldwork-based research is classified as:

- A. Historical
- B. Biographical
- C. Empirical
- D. Experimental

Q.38 A blueprint of research work is called

- A. Research problem
- B. Research design
- C. Research tools
- D. More than one of the above
- E. None of the above

Q.39 What is the aim of educational research?

- A. Identifying major problems that need to be solved
- B. Searching for the new facts and principles underlying the process of education
- C. Identifying the aims of education
- D. Identifying the values that need to be inculcated in the pupils

Q.40 One of the following is not the objective of action research

- A. To improve the working condition of school
- B. To stimulate the students to raise their standard of learning
- C. To motivate the students to attend school

D.To organise healthy and congenial environment for effective learning

Q.41 External validity in research refers to

- A. The rigor of the study
- B. The accuracy of a procedure
- C The relation of the research problem with the researcher's personal life
- D.The extent of generalizability

Q.42 Which of the following is a measure of consistency?

- A.Validity
- B.Objectivity
- C.Reliability
- D.Credibility

Q.43 The systematic elimination of extraneous variables other than those you are interested in can be achieved in:

- A.qualitative research
- B correlational research
- C experimental research
- D.longitudinal research

Q.44 A researcher is interested in studying the prospects of a particular political party in an urban area. What tool should he prefer for the study?

- (1) Rating scale
- (2) Interview
- (3) Questionnaire
- (4) Schedule

Q.45 Ethical norms in research do not involve guidelines for:

- (1) Thesis format
- (2) Copyright
- (3) Patenting policy
- (4) Data sharing policies

Q.46 . Which of the following is an initial mandatory requirement for pursuing research?

- (1) Developing a research design

- (2) Formulating a research question
- (3) Deciding about the data analysis procedure
- (4) Formulating a research hypothesis

Q.47 . The format of thesis writing is the same as in

- (1) preparation of a research paper/article
- (2) writing of seminar presentation
- (3) a research dissertation
- (4) presenting a workshop / conference paper

Q 48 11. In doing action research what is the usual sequence of steps?

- (1) Reflect, observe, plan, act
- (2) Plan, act, observe, reflect
- (3) Plan, reflect, observe, act
- (4) Act, observe, plan, reflect

Q.49 In qualitative research paradigm, which of the following features may be considered critical?

- (1) Data collection with standardized research tools.
- (2) Sampling design with probability sample techniques.
- (3) Data collection with bottom-up empirical evidences.
- (4) Data gathering to take place with top-down systematic evidences.

Q.50 Which of the following research types focuses on ameliorating the prevailing situations?

- (1) Fundamental Research
- (2) Applied Research
- (3) Action Research
- (4) Experimental Research