

Department of Education, Vinaya Bhavana
M.A. (Education), Semester-III Examination, 2025

Paper: EDN-332
(Assessment in Education)

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any **four** questions of the following: 4x10=40
- a) Show your acquaintance with distinctive concepts and inter linkage of items, tests, measurements, assessments, and evaluations. 10
- b) Write the basic difference between the C-score and the Stanine score. A student is at the 80th percentile rank on a test. Explain the meaning of this statement. A test has a mean of 50 and an SD of 10. A student obtains a raw score of 65. Calculate Z-score, T- score and Stanine score. 2+2+6
- c) Discuss the meaning and use of the Content Validity Index (CVI)? A researcher receives the following expert judgments for five items:

Item	No. of Experts	Essential(Ne)
1	8	7
2	8	8
3	8	3
4	8	6
5	8	4
6	8	5

Compute the CVR for each item and explain which items will be rejected. 2+2+6

- d) What is standardisation? Enumerate the procedure for standardization of a test with a suitable example. 2+8
- e) Determine the difficulty and discrimination indices of the following items of a verbal Reasoning Test and justify their suitability for final inclusion in the said test. 10

Item	Upper Group (n=33)	Middle Group (n=34)	Lower Group(n=33)
1	25	10	5
8	14	14	14
15	7	20	29
20	30	12	32

2. Answer any **four** questions of the following: 4x5=20
- a) Define validity. State the causes of low validity. 2+3

b) What do you mean by 'scales of measurement'? Enumerate the characteristics of these scales. What statistics can be used to analyse the data measured by each one of these scales? 1+2+2

c) Estimate the reliability coefficient of a Mathematics Achievement Test from the following scores obtained from its two equivalent forms administered to a group of eighth-grade learners one after another with a minimum time interval:

Learner	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11
Form:A	21	17	18	21	14	33	29	34	24	16	21
Form:B	19	25	17	20	16	31	30	35	22	19	10

d) State the difference between interest scale, interest inventory and interest test? State with examples.

e) What is reliability of internal consistency? Discuss the method(s) of determining it. 1+4

3. Answer **all** questions of the following: 3x2=6

a) How to test the length effect on the reliability coefficient?

b) Clarify the terms 'Difficulty Level' and 'Discrimination' Value' of a test.

c) In a certain distribution of achievement scores with a mean value 20.32 and a SD of 2.49, where does Rajan with a test score of 25 stand?

4. Select the most appropriate alternative for the following: 4x1=4

a) In any criterion-referenced test the performance of an individual is compared with:

- I. A standardized group's average behavior.
- II. An arbitrary desired behavior.
- III. A standardized group's behavior.
- IV. A standard desired behavior.

b) A highly reliable test may not be valid due to the presence of:

- I. High constant error variance.
- II. High measurement error variance.
- III. Low constant error variance.
- IV. Low measurement error variance

c) Reliability coefficient ranges:

- I. From 0.01 to 1.00
- II. From 0.00 to 1.00
- III. From 1.00 to 0.00
- IV. None of the above

d) Value judgment along with data obtained through observation is related to:

- I. Testing & Evaluation.
- II. Measurement & Evaluation.
- III. Evaluation & Assessment.
- IV. Assessment & Measurement.

Department of Education, Vinaya Bhavana
M.A. (Education) Semester-III Examination 2025
Education
EDN-333: Educational Technology

Time: 3 Hours

Full Marks: 70

(Questions are of value as indicated in the margin.)

1. Answer any **FOUR** of the following:
 - a) Discuss the concept and applications of ICT in teaching learning. Explain how ICT supports teachers' professional development. 4x10=40
 - b) Explain Flanders' Interaction Analysis System (FIAS). Discuss its role in analyzing and improving classroom interaction. 5+5
 - c) Analyze the role of MOOCs in Indian higher education. Discuss their pedagogical strengths and limitations in comparison to conventional classroom instruction. 3+7
 - d) Explain the Systems Approach and Cybernetics in education. Discuss their relevance in planning and managing instructional systems. 3+4+3
 - e) Describe the role of CIET in strengthening technology-enabled teaching learning processes in India. 3+3+4
2. Answer any **FOUR** of the following:
 - a) What is OER? Explain 5 OERs with example. 4x5=20
 - b) What is Personalized System of Instruction (PSI)? State its main features. 1+4
 - c) Write a note on Computer Assisted Instruction (CAI). 2+3
 - d) Explain Packet Data Systems and Fiber Optic Communication Systems in brief.
 - e) Explain the major components of NME-ICT aimed at improving access, quality, and affordability of education.
3. Answer all of the following:
 - a) Differentiate between AVRC and EMRC. 3x2=6
 - b) What is Telephone system?
 - c) Name any two Video content development apps.
4. Choose and write the appropriate response for the following: 4x1=4
 - I. Which of the following initiatives is **NOT** directly associated with EDUSAT?
 - A. Virtual laboratories
 - B. SWAYAM platform
 - C. Spoken Tutorial Programme
 - D. National Achievement Survey
 - II. The pedagogical limitation most often associated with MOOCs is related to:
 - A. Content quality
 - B. Learner motivation
 - C. Cost of enrolment
 - D. Availability of digital devices
 - III. Which communication system uses light waves for data transmission?
 - A. Microwave system
 - B. Satellite system
 - C. Fiber optic system
 - D. Cellular system
 - IV. The teacher's role in effective classroom communication primarily involves:
 - A. Dominating classroom interaction
 - B. Ensuring clarity and learner engagement
 - C. Maintaining silence and teaching only

D. Delivering content without interruption

Department of Education, Vinaya Bhavana
M.A. (Education) Examination 2025
Semester-III
Course: EDN-334.3
Inclusive Education

Time: 3 Hours

Full Marks: 70

Group- A

1. Attempt any four questions:

4x10=40

- a) Critically analyze the key concerns in implementing inclusive education for children with disabilities in regular classrooms. 10
- b) Examine the major educational problems faced by SC, ST and OBC communities in India. Discuss constitutional provisions for educational empowerment of these weaker sections in India. 5+5=10
- c) Discuss the major educational problems faced by women in India. Analyze social, economic, cultural, and institutional barriers affecting women's access to education. 10
- d) What do you mean by Impairment? Discuss various causes of intellectual impairment. 2+8=10
- e) What do you mean by Triad of impairments? Discuss characteristics of children with Autism spectrum disorder. 3+7=10

Group- B

2. Attempt any four questions:

4x5=20

- a) What was the Supreme Court's view on free and compulsory education in the Unnikrishnan case? 5
- b) Discuss the major government schemes and programmes launched for the educational empowerment of minorities in India. 5
- c) In what ways does SSA reduce barriers to inclusive elementary education? 5
- d) Explain era of extermination in the history of inclusive education. 5
- e) What are the functions of NIEPID? 5

Group- C

3. Attempt all the questions:

2x3=6

- a) List up the constitutional provisions related to minority education in India. 2
- b) What do you mean by blindism? 2
- c) Differentiate between Dyslexia and Dysgraphia. 2

Group- D

4. Attempt all the questions:

4x1=4

- A. A school in Karnataka has many Tamil-speaking children who struggle in classes conducted in Kannada. Which constitutional safeguard can be applied to protect their rights?
- Article 29 – Cultural and language conservation
 - Article 32 – Right to constitutional remedies
 - Article 15 – Prohibition of discrimination
 - Article 350A – Instruction in mother tongue at primary level
- B. Which committee's report primarily addressed the socio-economic and educational status of Muslims in India?
- Sachar Committee
 - Mandal Commission
 - Kothari Commission
 - Radhakrishnan Committee
- C. Which of the following is not related to learning disability:
- Dyslexia
 - Dysgraphia
 - Dyscalculia
 - Dysfunction
- D. Headquarter of NIEPVD is located at:
- Dehradun
 - New Delhi
 - Secunderabad
 - Bhopal

Department of Education, Vinaya Bhavana
M.A. (Education) Examination 2025
Semester-III
Course: EDN-334.4
Open and Distance Learning

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any **four** questions of the following: **4x10=40**
 - a) Define OER. Explain the key characteristics of OER. Discuss the contribution of SWAYAM and DIKSHA to the OER ecosystem in India. **2+3+5=10**
 - b) Differentiate Open Learning from Distance Learning? Critically analyse the challenges and opportunities of Open and Distance Learning in India in the context of NEP 2020. **4+6=10**
 - c) What do you mean by Student Support Service in Distance Education? Write the importance of Student Support Services in Distance Education. Give insight on any two types of such services intended for rural women's education. **2+4+4=10**
 - d) Define SIM. Write some basic principles to design SIM. Explain the steps to design and develop SIM. **2+3+5=10**
 - e) What are the objectives of Quality Assurance in Distance Education? What are the challenges and probable solution of the problems of Distance Education in India? **2+4+4=10**
2. Answer any **four** questions of the following: **4x5=20**
 - a) What is Programmed Evaluation?
 - b) Discuss the role of Distance Education in life-long learning.
 - c) Define the 4-Quadrant Approach of SWAYAM.
 - d) Write a short note on application of ICT in distance education.
 - e) Write the role of NIOS.
3. Answer **all** questions of the following: **3x2=6**
 - a) Write a short note on DEB.
 - b) Difference between Textual Material and SIM.
 - c) Write the key features of MOODLE.
4. Select the most appropriate alternative for the following: **4x1=4**
 - a) Distance Education Bureau (DEB) is a statutory body under-
i) MoE ii) UGC iii) NCTE iv) IGNOU
 - b) Acronym of MOODLE is –
i) Modular Oriented-Object Dynamic Learning Environment
ii) Modular Object-Oriented Digital Learning Ecosystem
ii) Modular Object-Oriented Dynamic Learning Environment
iii) Modular Online Open Distance Learning Environment
 - c) The institution that later evolved into the School of Open Learning (SOL) started correspondence courses in 1962 under-
i) IGNOU ii) UGC iii) University of Delhi iv) NCERT
 - d) xMOOCs differ from cMOOCs mainly in terms of:
i) Technology used ii) Learner autonomy and pedagogy iii) Certification cost iv) Duration of the course

(Questions are of value as indicated in the margin.)

1. Attempt any **Four** questions from the following: $4 \times 10 = 40$
- a) Define Educational Technology. Discuss the systems approach of Educational Technology. 2+8
 - b) Show your acquaintance with a personalized system of Instruction specifying its shortcomings and advantages. 4+6
 - c) What is 'Interaction Analysis'? Describe Flander's Interaction Analysis. Discuss its application in the teaching-learning system. 2+5+3
 - d) What do you mean by effective classroom communication? What are the barriers to classroom communication? 4+6
 - e) What is NME-ICT? How different schemes are beneficial for learners? Explain with an example? 2+4+4
2. Answer any **Four** questions from the following: $4 \times 5 = 20$
- a) What are the applications of ICT in the classroom?
 - b) Briefly discuss EDUSAT.
 - c) Discuss the phases of Microteaching.
 - d) Discuss the modification of teaching behaviours.
 - e) Discuss the memory levels of teaching.
3. Answer **All** of the following: $3 \times 2 = 6$
- a) What is Fiber Optics System?
 - b) What are the advantages of CAI?
 - c) What do you mean by Online Journals?
4. Choose and write the correct choice of the following items: $4 \times 1 = 4$
- i. Computer Assisted Instruction is based on ----- principle.
 - A. Operant conditioning
 - B. Classical conditioning
 - C. Skinnerian conditioning
 - D. Pavlovian conditioning
 - ii. Medium which sends information from source to receiver is called:
 - A. Optic Fiber
 - B. Transmission Channel
 - C. Transmitter
 - D. Receiver
 - iii. Who is known as the father of modern media education?
 - A. Edgar Dale
 - B. Flander
 - C. Erikson
 - D. Charles Babbage
 - iv. Which organization offers courses for school students?
 - A. Massive Online Open Courses
 - B. The National Institute of Open Schooling
 - C. The All India Council for Technical Education
 - D. University Grants Commission

M.A. (Education) Semester-III Examination 2023
 Paper: EDN-332: Assessment in Education
 Subject: Education

Time: 3Hours

Full Marks: 70

(Questions are of value as indicated in the margin.)

1. Answer any **FOUR** of the following: $4 \times 10 = 40$

- What is an Achievement Test? Prepare a tentative ToS for it. State the types of items of an achievement test with suitable examples. 1+4+5
- Justify the need for standardizing a research tool in the field of education? Elaborate the basic steps of constructing any standardized research tool with examples. 2+8
- Differentiate between percentile and percentile rank. Determine the percentile ranks for the following set of Teaching Aptitude Test scores:

Test Scores	15	16	17	18	19	20	21	22	23	24	25	26
Frequencies	5	9	7	8	10	12	9	6	4	3	1	2

Interpret the percentile rank for the raw score of 10 and 3. 3+6+1

- (i) Estimate the reliability coefficient of a Verbal Intelligence Test from the following scores by applying Split-Half Method: 5

Student	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.
1st Half	9	11	7	12	14	8	6	11	15	16
2nd Half	10	9	10	13	12	10	9	6	10	12

(ii) What is a Stanine Score? Determine Stanines for the following set of raw scores: 26, 11, 55, 22, 13, 41, 15, 37, 25, 12, 32, 19, 29, 10, 33, 18, 53, 21, 49, & 37 1+4

- Define a credit for a given course of an academic program. Is there any variation in credit hour(s) for a regular class, a tutorial class, and a practicum? Explain with examples. Suggest the measures to overcome the problems of credit transfer you perceived in Indian higher education. 2+2+6

2. Answer any **FOUR** of the following: $4 \times 5 = 20$

- Critically analyze the common and fundamental characteristics of measurement scales. 5
- Is Interview both a tool and a technique of assessment? Clarify your position. 5
- What is item analysis? Differentiate between item difficulty and item discrimination with appropriate example. 1+4
- What is validity? Is face validity a type of validity or a misnomer? Comment? 2+3
- Distinguish between normalized standard score and standard score? In a given distribution of emotional intelligence scores with a Mean of 19.76 and a SD of 3.21, where do Reshma and Ramesh with a test score of 25 and 17 stand in a certain normalized group. 2+3

3. Answer **ALL** of the following: $3 \times 2 = 6$

- Distinguish between manual and booklet of an educational test.
- What is Hawthorne effect?
- State two fundamental principles of writing MCIs.

4. Choose and write the appropriate response for the following: $4 \times 1 = 4$

A) Reliability coefficient of a certain test in education:

- Remains practically between 1.00 to -1.00
- Ranges from 0.01 to 1.00
- Includes inherently minus values
- Goes beyond 1.00

B) Which of the following in combination are correct statements?

- I. Guessing is a source of measurement error.
- II. Skills to perform a particular type of test items is a lasting but general characteristic of the test taker.
- III. Luck is not a source of measurement error.
- IV. General test taking skills is a general but lasting characteristic of the test taker.

Select the Code:

- a) I, II
 - b) II, III
 - c) III, IV
 - d) IV, I
- C) Which of the following is a part of the Planning Stage of test standardization?
- a) Item analysis
 - b) Procurement of test items
 - c) A certain 50-item test
 - d) Determination of test norms
- D) Using the 5 senses to understand what is happening around you is called:
- a) Experimenting
 - b) Hypothesizing
 - c) Observing
 - d) Sensing

M.A. (Education) Semester-III Examination 2023
Course: EDN-334.4 (Open and Distance Learning)

Time: 3 Hours

Full marks: 70

(Questions are of value as indicated in the margin)

1. Attempt any **Four** of the following ; $4 \times 10 = 40$
 - a) What is the importance of distance education? Write about its concept and characteristics. 3+4+3
What is the importance of open educational resources in distance education? 3+4+3
 - b) Define MOOC. Who coined the term 'MOOC'? Write the key characteristics of MOOC's. 2+1+4+2+1.
How does MOOC work? Name some MOOC platforms in India
 - c) Write in detail about Distance Education Bureau and its role in quality enhancement of Open and Distance Learning in India. 10
 - d) Write about the existing problems and solutions of distance education in India. 10
 - e) What do you mean by Life Long Education? Explain the outlook of distance education. 10
2. Attempt any **Four** of the following: $4 \times 5 = 20$.
 - a) What is SWAYAM? Write the full form of it. What is the difference between open education resources and MOOC? 2+1+2
 - b) Write the features of UGC Regulation 2016 for online learning courses through SWAYAM. 5
 - c) What does the SWAYAM course consist of? What is the role of national coordinators in SWAYAM? Give examples of two such coordinators. 2+2+1
 - d) Write about the genesis of Open and Distance Learning in India. 5
 - e) Write about the approaches of programme evaluation in distance education. 5
3. Write short note on the following: $3 \times 2 = 6$
 - a) National MOOC Coordinators of postgraduate education
 - b) MOODLE
 - c) E-PG Pathshala
4. Choose and write the correct choice for the following items: $4 \times 1 = 4$
 - A. Which program has been introduced by NIOS to facilitate learning of all students, especially Socio-economically Disadvantaged Groups?
a) Open and Distance Learning b) Distance Learning c) Open School Program d) Mobile Pathshala
 - B. Who is the coordinator of management program through SWAYAM?
a) NITTR b) AICTE c) CEC d) IIMB
 - C. One course coordinator can offer _____ course/courses at a time in UGC PG MOOC?
a) 2 b) 1 c) 3 d) 4
 - D. Bhimrao Ambedkar Open University was established in the year:
a) 1985 b) 1982 c) 1983 d) 1984

M.A. Semester-III Examination, 2024

Subject: Education

EDN-334.3: Inclusive Education

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any four of the following: 4x10=40
- a) What is the adaptive behaviour? Explain various prenatal, natal and post-natal causes of intellectual disabilities. 2+8
 - b) What do you mean by Eugenics? Discuss various eras in the history of disability. 2+8
 - c) Discuss the issues and concerns need to be addressed for making inclusive meaningful for children with disabilities in regular classrooms. 10
 - d) Describe the role and contribution of National Institute for Persons with Disabilities in their rehabilitation and empowerment. 10
 - e) Who are the minorities in India? Explain the educational problems faced by the muslim minority in India? 3+7
2. Answer any four of the following: 4x5=20
- a) Differentiate impairment and disability with suitable examples.
 - b) Explain individualized educational programme for children with disabilities.
 - c) How does lack of accessibility contributes to functional limitation of the persons with disabilities? Discuss briefly keeping in view the international classification of 'Functioning, Disability and Health (ICF)?
 - d) Discuss constitutional provisions for educational empowerment of weaker sections in India.
 - e) How transgenders are Marginalized Gender in India? Explain with appropriate example.
3. Answer all the following: 3x2=6
- a) List up the disabilities discussed in National Trust Act-1999.
 - b) List up any four objectives of Rehabilitations council of India.
 - c) What is ISITEP?
4. Select the most appropriate alternative for the following: 4x1=4
- a) Xerophthalmia is caused by deficiency of :
 - i. Vitamin A
 - ii. Vitamin B
 - iii. Vitamin C
 - iv. Vitamin D
 - b) Triad of impairments is related to:
 - i. ASD
 - ii. Visual Impairment
 - iii. Hearing Impairment
 - iv. Learning Disability
 - c) Which article of Indian constitution mandates '*medium of instructions shall, as far as practicable, be in child's mother tongue*'?
 - i. Article 350 A
 - ii. Article 350 B
 - iii. Article 351 A
 - iv. Article 351 B
 - d) Which of the following is the most appropriate to indicate integration?
 - i. Integral part of general education system,
 - ii. A part of general education system
 - iii. Apart from general education system
 - iv. General schooling education system

M.A. Semester-III Examination, 2024
Subject: Education
EDN-334.4: Open and Distance Learning

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any four of the following:

4x10=40

- a) What are the different modes of education? Write in short about two modes of imparting education. What is correspondence course? 3+4+3
- b) What is Distance Education Bureau? Write about its importance in maintaining quality of open and distance learning. 3+7
- c) What are the roles of national coordinators of SWAYAM? How many coordinators are involved in regulating SWAYAM courses? Discuss the involvement of every coordinator in promoting learning in every spheres of education. 3+3+4
- d) Write in detail about the problems of distance education in India. Suggest the probable solutions to curb the problems of distance education. 5+5
- e) Present a detailed account of four quadrants of the courses in SWAYAM MOOC framework.

2. Answer any four of the following:

4x5=20

- a) State the Key characteristics of MOOCs.
- b) Write a note on e-Pathshala.
- c) Write in details about the technical and vocational programmes in distance education.
- d) Write the role of Distance Education in rural development in India and its challenges.
- e) Write in details the importance of open educational resource.

3. Answer all the following:

3x2=6

- a) Distinguish xMOOCs and cMOOCs
- b) What is SWAYAM?
- c) What is DIKSHA?

4. Select the most appropriate alternative for the following:

4x1=4

- a) IGNOU was established in the year:
 - i. 1984
 - ii. 1985
 - iii. 1986
 - iv. 1987
- b) The first open university in India was established in :
 - i. Andhra Pradesh
 - ii. Tamil Nadu
 - iii. Kerala
 - iv. Orissa
- c) SWAYAM was initiated in the year:
 - i. 1916
 - ii. 1917
 - iii. 1918
 - iv. 1919
- d) Open and distance learning corresponds to which of the following mode of education?
 - i. Formal
 - ii. Informal
 - iii. Non-formal
 - iv. None of the above

M.A. Semester-III Examination, 2024

Subject: Education

EDN-333: Educational Technology

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any four of the following: 4x10=40
- a) Explain the concept and nature of Educational Technology. Distinguish Technology in Education and Technology of Education, and discuss their significance in modern pedagogy. 2+2+6
- b) Define communication. Discuss the modes and barriers of communication and analyse the role of a teacher in ensuring effective classroom communication. 2+4+4
- c) Explain different levels of teaching and their role in effective teaching. Describe the Personalized System of Instruction (PSI) and its impact on student learning. 5+5
- d) Explain the concept of Teleconferencing and Computer-Assisted Instruction (CAI). Discuss the current trends in educational technology. 3+3+4
- e) Define ICT. Explain how ICT can be used in classrooms and discuss its importance in the professional development of teachers. 2+8
2. Answer any four of the following: 4x5=20
- a) What is EDUSAT? Explain the significance of NME-ICT in transforming education in India. 1+4
- b) What is Micro Teaching? Explain how it helps modify teaching behaviours and improve teaching skills. 2+3
- c) How does CIET contribute to the development of teaching and learning in India? 2+3
- d) Explain Fiber Optic and Satellite Communication Systems and their uses. 2+3
- e) What is e-education? How does it enhance learning in the digital age? 2+3
3. Answer all the following: 3x2=6
- a) What are MOOCs?
- b) Define cybernetics.
- c) What is a microwave system used for in communication?
4. Answer all the following: 4x1=4
- a) Which of the following is NOT an example of ICT resource in education?
- i. Educational apps
- ii. Classroom Furniture
- iii. Interactive board
- iv. Printed textbooks
- b) Which technology is primarily used in satellite communication systems?
- i. Fiber optic systems
- ii. Microwave systems
- iii. Cellular systems
- iv. Telephone systems
- c) Which of the following is an example of OER?
- i. A priced textbook with copyright
- ii. A publicly funded research paper, available online
- iii. A proprietary online course, requiring subscription to access
- iv. A licensed educational video freely available in YouTube.
- d) Which of the following is not RCMOOCs?
- i. Ramchandran College MOOCs
- ii. Ramanajun College MOOCs
- iii. Ramkrishna College MOOCs
- iv. Rameswar College MOOCs

M.A. Semester-III Examination, 2024
Subject: Education
EDN-332: Assessment in Education

Time: 3 Hours

Full Marks-70

(Questions are of value, as indicated in the margin)

1. Answer any four of the following:

- a) What do you understand by a standardized test? Explain the steps of constructing a standardized test in education with appropriate examples wherever possible. 4x10=40
2+8
- b) Define the content validity. Giving an example, describe the process to check content validity. 2+8
- c) What is Instructional Objective? How Instructional Objective contributes precision in evaluation? Explain its importance by preparing a table of specification for inclusion of items on an achievement test. 2+3+5
- d) i. Estimate the reliability coefficient of a verbal intelligence test from the following scores by applying Split-Half Method: 2+8

Student	1	2	3	4	5	6	7	8	9	10
1st half	9	6	5	8	9	12	11	8	7	5
2nd half	4	7	3	9	10	15	13	7	9	4

ii. Determine the Stanine Score for the following raw scores:

11	17	9	18	15	13	9	21	13	21	18	7
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- e) Define Attitude. How attitude can be measured? Elaborate the essential steps involved in constructing a measuring device for attitude. 2+2+6

2. Answer any four of the following:

- a) Differentiate among Questionnaire, Rating Scale and Check List in educational research with suitable examples. 4x5=20
- b) What is meant by Credit Transfer System? Discuss the Grading process for your course with a suitable example. 1+4
- c) What is Intelligence? How intelligence was being measured in ancient India? Give the description of any contemporary intelligence test. 1+2+2
- d) 'Validity is prerequisite for measurement of reliability' - justify the statement. 2+3
- e) What is observation? Illustrate how it may be the best technique for qualitative research. 2+3

3. Answer all the following:

- a) Distinguish Z score and T score. 3x2=6
- b) What is a Test Manual?
- c) Differentiate between the criterion and norm referenced interpretation of any student's performance.

4. Select the most appropriate alternative for the following:

4x1=4

- a) Which one of the following sources of measurement errors is difficult to control?
i) Within the test
ii) The test takers
iii) Test administration conditions
iv) Guessing while responding test
- b) Which of the following is a characteristic feature of aptitude test?
i) They only test subject-specific knowledge
ii) They measure personality traits exclusively
iii) They assess a person's inherent potential
iv) They are used only for job interviews
- c) Much like an encyclopaedia or a search engine, an interview schedule is valuable as:
i) One-to-one interaction
ii) Research tool
iii) Newspaper article
iv) Electronic resource
- d) In multiple-choice question, 'destructor' denotes the
i) Most appropriate and plausible alternative
ii) Proper syntax of question stem of the item
iii) Incorrect answer options designed to mislead
iv) Most popular answer among test-takers
